1 Large Map

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REMEDIATION WORK PLAN
FORMER GENERAL MOTORS CORPORATION
ALLISON GAS TURBINE DIVISION, PLANT 10
INDIANAPOLIS, INDIANA
IDEM VRP #6991004
KERAMIDA PROJECT NO. 2829E

VOLUME 1

Submitted To:

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Voluntary Remediation Program
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October 30, 2002

IDEM Office of Land Quality - Fileroom Stamp
VRP Project Name: Former Allison Plt 10
VRP#: 6991004 File Code: 460
Description: Report
Confidential? ___Yes ___No
Deliberative? ___Yes ___No

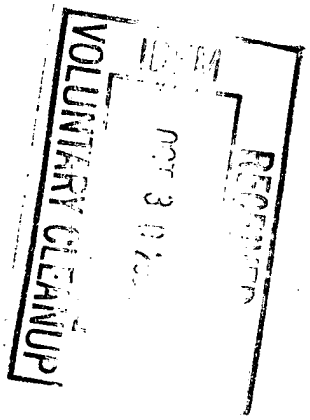
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20 KERAMIDA Operation & Maintenance Logs, Tables and Forms
21 Contaminants of Concern List

REMEDIATION WORK PLAN
FORMER GENERAL MOTORS CORPORATION
ALLISON GAS TURBINE DIVISION, PLANT 10
INDIANAPOLIS, INDIANA
IDEM VRP #6991004
KERAMIDA PROJECT NO. 2829E

1.0 EXECUTIVE SUMMARY

KERAMIDA Environmental, Inc. (KERAMIDA) has completed a Remediation Work Plan at the former General Motors Corporation Allison Gas Turbine Division (AGT) Plant 10 located in Indianapolis, Indiana (Site). The purpose of the Remediation Work Plan is to address contamination identified at the site during due diligence and subsequent site characterization activities. Regulatory closure of the Site is being administered through the Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP). Identified constituents of concern (COC) include volatile organic compounds (VOC), polynuclear aromatic hydrocarbons (PAH), cadmium, chromium, and lead. Two areas of contamination have been identified and include an eastern source area associated with former solvent operations and a western source area associated with the historic degreasing and waste burial activities.

The Site Characterization consisted of the collection and analysis of soil, groundwater, sediment, and surface water samples, a hydrogeological study, and a baseline human health and ecological exposure assessment. Additional activities conducted concurrent with the Site Characterization included the design and implementation of remedial measures including a buried waste removal action in the western portion of the property and installation and start-up of a groundwater remediation system in the eastern and western source areas.

A small area (e.g. "hot spot") of elevated trichloroethene (TCE) and lead occurrence in soil was discovered during confirmation sampling along the western property boundary. Soil sampling was conducted in August 2002 to further delineate the "hot spot". Based on the results of the supplemental sampling, the "hot spot" was determined to be of very little horizontal and vertical extent.

During the August mobilization, additional work was completed to further characterize the VOC occurrence in groundwater south of the western source area. A monitoring well pair was

installed within the cul-de-sac on Cossell Road. Additionally one Geoprobe groundwater sample was collected south of Michigan Street and West of Olin Avenue adjacent to the trailer park. Results of the groundwater sampling did not indicate detectable VOC concentrations at either area.

A human health risk assessment (HHRA) and an ecological risk assessment (ERA) were performed following the completion of the site characterization.

The results of the HHRA indicate that existing chemical concentrations of potential concern (COPC) in on-site surface soil, subsurface soil, and groundwater do not present unacceptable risks or hazards to current or potential future on-site receptors. The existing concentrations of COPC in surface water and sediment of Little Eagle Creek do not present unacceptable risks or hazards to current or potential future recreational users of the creek. The existing concentrations of COPC in off-site groundwater may present risks and hazards that exceed the target risk and hazard levels for current or potential future off-site receptors. The Site is located within a Marion County Health Department No Well Zone providing a measure of institutional control over groundwater usage in the area and potential human exposure to groundwater. The Site is not located within a wellhead protection area.

The results of the ERA indicate that none of the COPC were identified for the Little Eagle Creek habitat. Existing concentrations of COPC in on-site groundwater do not present a risk to receptors in Eagle Creek based on groundwater fate and transport modeling. Confirmation sampling and analysis is recommended to confirm that those undetected analytes which had detection limits that exceeded their respective screening levels are not present in the surface water and sediment of Little Eagle Creek at levels exceeding their screening levels.

Findings of investigations completed at the Site indicate the presence of VOC in groundwater off-site to the southeast and south across Little Eagle Creek. The VOC occurrence in groundwater southeast of the Site is markedly different than that detected to the south. To the southeast, the VOC occurrence is limited to the upper sand unit and TCE is found to be a major contaminant. South of Little Eagle Creek, TCE is absent from the groundwater and the detected VOC concentrations are greatest in the deep zone of the upper sand unit. The characteristics of dissolved VOC occurrence in this area differ greatly from the eastern source area of the Site and

are indicative of the presence of an off-site source or sources. Soil data collected during the investigations also confirm the presence of an off-site source(s) off-site to the south. Though no unacceptable risks to human health and the environment were identified for COC detected on-site, remediation to default Tier II Non-residential cleanup goals will be performed as a protective measure. Additional offsite investigation should be performed south of Little Eagle Creek by the responsible parties to identify the sources of contaminants detected in that area and to better quantify potential associated risks.

Various remedial technologies were screened and soil vapor extraction (SVE) combined with air sparging (AS) proved to be the most applicable technology. SVE/AS is currently being performed to abate residual VOC contamination identified in the western and eastern source areas. The system will be expanded to address the "hot spot" area.

In addition to the SVE/AS system, a phytoremediation system consisting of hybrid poplar trees has been installed along the entire southern property line to intercept groundwater as it flows off-Site. It is anticipated that remediation will be completed in five to seven years. A small area of buried waste will remain beneath the building upon the completion of remediation.

2.0 INTRODUCTION

KERAMIDA Environmental, Inc. (KERAMIDA) was contracted by Genuine Parts Company (Genuine Parts) to design and implement remedial actions to mitigate identified contamination at the former General Motors Corporation Allison Gas Turbine Division (AGT) Plant 10 in Indianapolis, Indiana (Site). Regulatory closure of the Site is being administered through the Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP). The purpose of this report is to provide a remediation work plan (RWP) consistent with the July 1996 VRP Guidance that will:

- Summarize the sources and extent of contamination;
- Discuss contaminant exposure pathways and potential risks to human health and the environment;
- Provide cleanup criteria and objectives;
- Provide a site safety plan (SSP) and quality assurance project plan (QAPP);

- Provide a remediation plan that will discuss the remedial alternatives evaluation, present the selected remedial alternative, and an operation and maintenance plan for the selected alternative;
- Provide a community relations plan; and,
- Outline a project schedule and costs estimate.

It should be noted that soil and groundwater remedial actions have already been performed at the Site in response to the findings of the site investigation. The groundwater remedial action continues to the present and is being monitored through routine operation and maintenance activity. Therefore, the remedial technology selection and detailed system design and operation document an implemented remedy.

2.1 SITE BACKGROUND

Sections 2.1.1 and 2.1.2 provide site location and history information and a summary of known documentation of investigation activities at the site.

2.1.1 Site Location and History

The subject property is located at 700 North Olin Avenue in Marion County, Indianapolis, Indiana (see Figure 1). The property is the Site of the former General Motors Corporation Allison Gas Turbine Division (AGT) Plant 10. The original facility building was constructed in 1956 and expanded westward in 1970 to double the floor space. The expansion consisted of a concrete storage pad with a metal roof, which was later enclosed in 1990.

Prior to 1956, the property was vacant land. Between 1956 and 1973, BHT Corporation (BHT) operated the facility for carburetor and brake re-manufacturing. General Motors purchased the property from BHT in 1973 and used the facility for the warehousing of obsolete machines, tooling, and fixtures until the mid-1980s, at which time the property became part of the AGT Division. Subsequent to the sale of the property to General Motors, BHT through acquisition and merger became a part of Genuine Parts. AGT continued to use the facility for warehousing until December 1993 when the property was sold to the Allison Engine Company (AEC). AEC sold the facility to Associated Properties, Inc. in 1998 (current property owner).

The Site is located on the southwest side of Indianapolis, Indiana in Marion County and consists of approximately 5.4 acres of land, which is developed with one approximately 80,000-square foot building. A property line fence surrounds the building on the north and paved driveway and parking areas on the east, south, and west. The operational area of the Site is bounded by a chain-link fence, and locking access gates are located on the east and west sides of the property. No water supply wells, basements, or other subsurface structures are present on-Site. On the south side of the property, a brushy strip of land is present along the south side of the fence and extends to the tree line along the bank of Little Eagle Creek. The surface topography over most of the Site is relatively flat. The southern third of the Site slopes moderately to the south, towards Little Eagle Creek. Little Eagle Creek flows in a southeasterly direction and converges with Eagle Creek approximately 6,500 feet south-southeast of the Site. Site elevations range from approximately 715 feet above mean sea level (MSL) at the north end of the property to 705 feet above MSL near Little Eagle Creek. Site maps showing salient Site features are presented in Figures 2 (Site Map) and 3 (Expanded Site Area Map).

The property is zoned industrial and was until June 2000 leased by a subsidiary of Genuine Parts Company, for use as a warehouse. The property was first leased from Allison Engine Company and subsequently from Associated Properties, Inc. Land use in the surrounding area of the Site is mixed use with zoning predominantly residential, general business, and industrial. The property is bordered by a wooded area, Little Eagle Creek, and Michigan Meadows Apartments to the south, a residential neighborhood to the east, a city park (Olin Park) to the north, and Holt Road and an Allison Transmission Plant to the west. Features of the surrounding area are presented in the Site and Surrounding Area Use Map (Figure 4).

The Site is located in Marion County Health Department (MCHD) No Well Zone (NWZ) Area 2. No Well Zones are designated by the MCHD and reflect zones of contaminated groundwater identified by the MCHD through its routine sampling of potable wells throughout Marion County. The MCHD began building a groundwater quality database and identifying these zones in the late 1990's. Currently seven NWZs have been designated. The MCHD requires permits for all water supply wells. According to the MCHD, permits are not granted to install potable wells in NWZs. Permits for other types of wells such as industrial supply wells may be granted in NWZs on a case-by-case basis. NWZ information is included in Attachment 4.

2.1.2 Site Documentation

Engineering Science, Inc. (ESI) conducted two environmental investigations at the property in 1992 and 1993. The initial investigation, entitled *Phase I Information Review Report for General Motors Corporation Allison Gas Turbine Division*, was completed by ESI in July of 1992. The Phase I assessment involved no intrusive exploration of environmental conditions. The Phase I assessment identified the following potential areas of environmental concern:

- two reported releases (100 gallons of quench oil in the southwest corner of the property and an unknown amount of hydraulic fluid in the southwest courtyard);
- possible waste burial area at western end of property; and
- possible area of dumping near the northwest corner of the plant.

The Phase I identified the Plant 10 Site as a potential area of concern (PAOC). The report included a recommendation to install three monitoring wells and one soil boring.

An intrusive follow-up assessment of the areas of environmental concern identified during the Phase I assessment was completed by ESI in November of 1993. Methods and results of this additional investigation were reported in a document entitled *Phase II Site Assessment Final Report for General Motors Corporation Allison Gas Turbine Division* dated November 19, 1993. During the initial phase of work, three monitoring wells (MW-132, MW-133, and MW-135) were installed and one soil boring (SB-134) was advanced at the Site. A soil gas survey was completed on the western side of the property during this investigation. During the second phase of this investigation four monitoring wells (MW-145 through MW-148) were installed and two soil borings (SB-149 and SB-150) were advanced on-Site.

Results of this investigation identified trichloroethene (TCE), vinyl chloride (VC), 1,2-dichloroethene (1,2-DCE), tetrachloroethene (PCE), toluene, and methylene chloride in the soil on-Site. Compounds most frequently detected included TCE, 1,2-DCE, and VC. The western side of the Site was confirmed as a PAOC during the Phase II investigation, however the source was unknown.

O'Brien and Gere Engineers, Inc. (OBG) conducted a Buyer Environmental Assessment for Plant 10 in March of 1994. OBG advanced six soil borings (SB-10-1 through SB-10-5 and OBG-10-1) and installed one monitoring well MW-10-1 in soil boring OBG-10-1. Surface

samples collected included two surface soil samples near an area containing brake pad pieces, two brake pad samples for asbestos testing, and two sludge samples from sumps located south of the building (these sumps were later removed, however, no known environmental information exists regarding their removal). Analytical results for the surface soil samples collected is not currently available. A total of six subsurface soil samples and three groundwater samples were collected and analyzed for VOC and RCRA metals. VOC detected in the subsurface soil included 1,2-DCE (total) and TCE. Metals detected in subsurface soil included arsenic, barium, cadmium, chromium, lead, mercury, and selenium. The analytical results for the three groundwater samples are not currently available. One groundwater sample was apparently collected from well MW-10-1 and analyzed for VOC. VOC detected in MW-10-1 included trans-1,2-DCE, cis-1,2-DCE and TCE.

Between June 1995 and January 1997, Fluor Daniel GTI, Inc. (FDGTI) conducted additional investigation activities to further assess the magnitude and extent of contamination at the Site, collect additional hydrogeological data, and to perform a baseline human health risk assessment. Work performed by FDGTI included the installation and sampling of fourteen additional monitoring wells at both on-Site and off-Site locations, soil and groundwater sample collection via push-probe methods (e.g. Hydropunch® and Geoprobe®), Little Eagle Creek stream gauging and surface water sampling, and aquifer slug testing. Results of FDGTI's work are documented in *Feasibility Study Report* (FDGTI, June 3, 1997) and the *Remedial Investigation Report* (FDGTI, September 19, 1997). These reports were prepared prior to Genuine Part's involvement in the project and therefore complete copies are not available.

2.2 SUMMARY OF SITE INVESTIGATION ACTIVITIES

The following sections summarize the identified sources and extent of contamination, ecological assessment results, and hydrogeologic investigation results. Identified contaminants of concern (COC) primarily include volatile organic compounds (VOC) (i.e., trichloroethene and daughter products). Polynuclear aromatic hydrocarbons (PAHs) and several metals (i.e., cadmium, total chromium, and lead) were later included based on the findings of the investigations. A complete list of COC for the project is provided in Attachment 21. VRP Tier II Non-residential Cleanup Goals for on-site soil and groundwater and VRP Tier II Residential Cleanup Goals for off-site soil and groundwater were used as screening levels to complete the site investigation.

Investigation methodologies have generally incorporated directed sampling in known source areas. Site-wide sampling was also conducted to obtain necessary data for closure of the entire site. Investigation methods employed by KERAMIDA during site investigations are provided in Attachment 5. Copies of all soil boring logs and monitoring well logs are provided in Attachments 6 and 7, respectively. Field screening results for all soil borings and monitoring wells are included in the boring logs.

Soil, sediment, groundwater, and surface water chemical data are provided in summary tables and figures. The analytical tables and figures are color coded to assist in presentation of the data. Table and figure information coded red indicates that a given contaminant of concern (COC) is present at a concentration in excess of its respective non-residential screening levels. Information coded blue indicates a concentration in excess of residential screening levels but below non-residential screening levels. Information coded green indicates a given COC was detected at a concentration below its respective residential screening level. Finally, information coded black indicates a given COC was not detected .

2.2.1 Baseline Hydrologic Assessment Results

This section describes the Site hydrogeological setting based on available reference literature and findings of Investigation.

Regional Geology

Indianapolis lies within the Tipton Till Plain physiographic unit of the Central Drift Plain physiographic zone (USGS 1994). The Central Drift Plain is composed of a nearly flat glacial till plain, approximately 12,000 mi^2 in extent, that covers central Indiana, and which is underlain by thick till that has been slightly eroded by postglacial streams (USGS 1994). The glacial sediments of the till plain were deposited during the pre-Illinoian and Illinoian Age when glaciers covered the northern three-quarters of Indiana (USGS 1994). The glaciers deposited a minimum of eight till units, which make up approximately 75% of the deposits in the Tipton Till Plain (USGS 1994).

Glacial drift in Marion County can be divided into three units and ranges in thickness from 15 feet to over 400 feet, with an average thickness of 140 feet (Hartke et al., 1980). The Wisconsinan Drift extends from the ground surface to depths from 15-150 feet below ground surface (Harrison, 1963). The average thickness of the Wisconsinan Drift is 50-70 feet. Underlying the Wisconsinan Drift is the Illinoian Drift (Harrison, 1963). Located at elevations of 553-765 feet above mean sea level, the Illinoian Drift thickness ranges in thickness from 12-104 feet, and averages 30-50 feet in thickness (Harrison, 1963) Beneath the Illinoian Drift, lies the Kansan Drift (Harrison, 1963). The surface elevation of the Kansan drift is approximately 675 above mean sea level and drift thickness averages 30-50 feet, but it can be as thick as 200 feet (Harrison, 1963).

In Marion County, only Wisconsinan till materials are known to be exposed at the surface, with thin deposits of modern alluvium overlying the till in some stream valleys (Hartke et al., 1980). The bedrock/till interface averages 100 feet below ground surface (USGS 1994). Glacial Till in Indiana is successively underlain by Late Devonian/Early Mississippian Age shales and siltstones 500-1,000 feet thick, Devonian dolomite and limestone up to 250 feet thick, Silurian limestone and dolomite 200-600 feet thick, late Ordovician shale and limestone 500-1,500 feet thick, Middle Ordovician limestone, dolomite, and sandstone, 50-450 feet thick, which unconformably overlie lower Ordovician dolomite of 20-4,500 feet thickness, Cambrian sandstones, with some siltstone and shale, 1000-3000 feet thick, and finally Precambrian crystalline basement rocks, at depths of 3,000-6,000 feet (USGS 1994).

In the vicinity of the Site in western Indianapolis, the glacial drift ranges from 50-150 feet thick and is immediately underlain by the New Albany Shale (Gray et al., 1979). This black and greenish-gray shale is early Mississippian to Devonian in age and ranges from 0-250 feet thick, averaging 90-140 feet (Gray et al., 1979) (Hartke et al., 1980). Beneath the New Albany Shale, lie rocks of the Muscatatuck Group, specifically, the North Vernon Limestone Formation and the Jefferson Limestone Formation (Gray et al., 1979). Rocks of the Muscatatuck Group are predominantly of middle Devonian Age and average 75 to 125 feet in thickness (Gray et al., 1979). The Muscatatuck Group is underlain by rocks of Silurian age that average over 150 feet thick (Gray et al., 1979). These rocks include the Wabash Formation, the Louisville Limestone, the Waldron Shale, Limberlost Dolomite, and the Salamonie Dolomite (Gray et al., 1979). The

Silurian rocks are successively underlain by shale and limestone of Cincinnatian age, the Trenton Limestone, Cambrian, and PreCambrian rocks (Gray et al., 1979).

Soils within the area of the Site are of the Miami-Crosby Association and the Urban land-Fox-Ockley Association (USDA, 1991). The Miami-Crosby Association is found in slightly to moderately dissected upland plains, between broad ground moraines and bottom land, or between terraces and outwash plains (USDA 1991). The association is composed of approximately 60% Miami soils, 20% Crosby soils, and 20% assorted minor soils (USDA, 1991). The Miami soils grade from a silt loam at the surface to a silty clay loam, to a clay loam, to a loam with depth (USDA, 1991). They form on nearly level to moderately steep slopes, are well drained, and are located on the sides and tops of hills and knolls (USDA 1991). The Crosby soils grade from silt loam at the surface to silty clay loam, to clay loam, to a loam with depth (USDA, 1991). They form on nearly level to gently sloping land, are somewhat poorly drained, and are located on irregularly shaped flats and broad ridgetops (USDA, 1991). The minor soils of this association include Brookston, Genessee, Henepin, and Shoals (USDA, 1991).

The Urban land-Fox-Ockley Association is found on broad outwash plains and terraces adjacent to larger bottom land (USDA, 1991). The association is composed of approximately 33% urban land, 25% Fox soils, 7% Ockley soils, and 32% assorted minor soils (USDA, 1991). Urban land soils are soils "covered by streets, parking lots, buildings, and other structures that obscure or alter the soil so that identification is not feasible" (USDA, 1991). Fox soils grade from loam at the surface, to sandy clay loam, to gravelly clay loam, to gravelly sand and sand with depth (USDA, 1991). Fox soils are well-drained, moderately deep over gravelly sand and sand, and are nearly level to moderately sloping (USDA, 1991). They form on broad, irregularly shaped flats, on sides of drainageways and knolls, and on breaks adjacent to bottom land (USDA, 1991). The Ockley soils grade from silt loam at the surface, to silty clay loam, to clay loam, to gravelly clay loam, to gravelly sand and sand with depth (USDA, 1991). They are well drained, deep, nearly level to gently sloping, and are found on broad, irregularly shaped flats and on short side slopes of drainageways and low knolls (USDA, 1991). Minor soils in this association include Martinsville, Rensselaer, Sleeth, Westland, and Whitaker (USDA, 1991).

Regional Hydrogeology

The Site lies within the White River Basin, a drainage basin 5,603 mi^2 in size with an average topographic elevation of 750 feet (USGS, 1994). The White River Basin overlies the Illinois Basin and the Cincinnati Arch. Bedrock strikes north-northwest, and dips to the southwest into the Illinois Basin; except in the northeastern part of the White River Basin where the Cincinnati Arch is present and where the rocks dip northward into the Michigan Basin (USGS, 1994). The principal direction of drainage in the White River Basin is towards the White River, which has an average discharge of 1,478 cfs (Harrison, 1963). Major secondary drainageways are into Eagle Creek, with an average discharge of 146 cfs, and into Fall Creek with an average discharge of 270 cfs (Harrison, 1963). The Site is located in the Little Eagle Creek drainage basin, which drains an area of 26.9 square miles (Hoggatt, 1975) and flows from north to south discharging into Eagle Creek approximately 6,500 feet south-southeast of the Site.

Three aquifer types occur in Indianapolis: surficial sand and gravel aquifers, buried and discontinuous sand and gravel aquifers, and carbonate bedrock aquifers (USGS, 1994). The most productive aquifers are the surficial sand and gravel aquifers, which can yield up to 2000 gal/min and are the major sources of water for the city of Indianapolis (USGS, 1994). The surficial sand and gravel aquifers are restricted to major river valleys in the White River Basin (USGS, 1994). The aquifers range in thickness from 50-100 feet, have hydraulic conductivities ranging from 24-1,500 feet/d, and can yield 10-2,000 gal/min (USGS, 1994).

Buried and discontinuous sand and gravel aquifers formed in outwash plain deposits, in valley fill in pre-Illinoian valleys, as thin sheets of stratified drift, and in small pockets of coarse grained glaciolacustrine sediment (USGS, 1994). These aquifers range in thickness from 5-50 feet, have an average hydraulic conductivity of 433 feet/d, and yield 10-250 gal/min (USGS, 1994).

Carbonate Bedrock aquifers are composed of Devonian, Silurian, and Ordovician rocks, ranging in thickness from 40-300 feet (USGS, 1994). Hydraulic conductivity is extremely variable and is contingent on the fracture density and the degree of weathering of the rock (USGS, 1994). The average estimated hydraulic conductivity for these aquifers is 13.4 feet/d. Well yields of over 100 gal/min are possible (USGS, 1994).

Site Hydrogeology

Consistent with the baseline geological information, groundwater at the site occurs in sand and sand and gravel out-wash deposits hydraulically stratified by confining layers of silty clay. Two hydrostratigraph units have been investigated at the site. The uppermost hydrostratigraphic unit is comprised of sand and sand and gravel containing discontinuous layers of silty clay and is encountered beneath approximately 15 feet of surficial fill materials and silty clay. This sand unit extends to approximately 40 to 50 feet below ground surface (bgs). The subjacent hydrostratigraphic unit is comprised of silty clay with thin inter-bedded water-bearing sand layers. This silty clay unit separates the upper sand unit from lower water-bearing units observed in well logs from surrounding water well records. Geologic cross-sections A-A' through E-E' (Figures 8b through 8f) depict the generalized subsurface geology at the Site.

Groundwater levels measurements have been collected at the Site since 1995 from monitoring wells installed in both the sand unit and silty clay unit. Table 1 presents a summary of historic water level and groundwater elevation data. The groundwater elevation in the upper sand unit since 1995 has ranged from a low of 695.58 feet above MSL in MW-169D in July 2002 to a high of 702.75 in MW-148 in February 1997. The average groundwater elevation in the upper sand unit since 1995 is 698.90 feet above MSL (approximately 13 to 15 feet bgs). The average groundwater level fluctuation is approximately 1.4 feet during the year. The groundwater elevation in lower silty clay unit ranged from a low of 699.28 feet above MSL in MW-302 in November 1999 to a high of 700.68 in MW-202 in February 1997. The average groundwater elevation in the lower silty clay unit since 1995 is 699.29 feet above MSL. Table 1 provides a summary of groundwater fluctuation in monitoring wells over time. Hydrographs for individual wells are presented in Attachment 8.

Monitoring wells have been installed at various elevations (i.e. shallow wells versus deep wells) within the upper sand unit and lower silty clay unit. Calculated vertical gradients between shallow and deep wells over time are summarized in Table 2. The vertical gradient was calculated by dividing the difference in water level in feet between the shallow and deep well of a monitoring well pair by the distance between their respective screen mid-points. The mid-point of the shallow well screen was calculated by determining the saturated screen thickness and adding half of that thickness to the elevation of the screen bottom. As seen in Table 2, slight upward and downward gradients have been observed between shallow and deep monitoring

wells completed in the upper sand unit. Overall, the average vertical gradient in the upper sand is neutral (-0.0009). A more pronounced downward gradient (.01) is consistently observed within the lower silty clay unit between wells MW-202 and MW-302 and comparing the upper sand unit (MW-153) and the lower silty clay unit between wells MW-153 and MW-202/MW-302.

The water level data were used to prepare the interpretive groundwater potentiometric surface maps for both the shallow and deep monitoring wells. Shallow zone potentiometric surface maps are present as Figures 9a through 9f. The deep zone potentiometric surface is presented as Figures 9g and 9h. The maps present the groundwater potentiometric surface in February 2000, November 2000, June 2001, July 2001, January 2002 and July 2002. As shown in the Figures 9a through 9f, groundwater flows in a general southeasterly direction. A more southerly flow component is observed in the western potion of the Site, which turns increasingly eastward towards the eastern portion of the site and neighboring residential area. Horizontal gradients over time in the shallow zone were calculated and are summarized in Table 3. As seen in Table 3, the horizontal gradient is generally between .01 and .001 with an average of 0.0066.

Surface water elevations were collected from stream gauges located at Holt Road and Olin Avenue concurrent with water level measurements collected from Site wells on July 24, 2001 and January 30, 2002. Both the groundwater elevations and surface water elevation are included on Figures 9d and 9e. As seen in Figure 9d, the groundwater potentiometric surface appears to coincide with the surface water elevation of Little Eagle Creek indicating that groundwater is discharging to Little Eagle Creek. In contrast, surface water elevations presented in Figure 9e are higher than groundwater elevations in the vicinity of Little Eagle Creek. These data indicate that Little Eagle Creek also periodically recharges the upper sand unit. The potential for groundwater discharge into Little Eagle Creek is also depicted in geologic cross-sections A-A' and B-B' (Figures 8b and 8c). Figures 9g and 9h present the groundwater potentiometric surface in the deep monitoring wells based on the January 30, 2002 and July 15-22, 2002 water level data, respectively. As seen in these figures, groundwater flow in the deep zone also trends to the south-southeast. The hydraulic gradient in the lower sand was calculated at approximately 0.0025.

Aquifer slug tests were conducted by Fluor Daniel GTI, Inc. in wells screened within the shallow zone of the upper sand unit, the deep zone of the upper sand unit, and the lower silty clay unit to estimate the hydraulic conductivity (K) (see Fluor Daniel GTI - Remedial Investigation Report in Attachment 5, Table 3 in the KERAMIDA Phase II Report). Resulting K values were estimated at 137 feet/day for the shallow zone of the upper sand unit, 9.1 feet/day for the deep zone of the upper sand unit, and 0.012 feet/day for the lower silty clay unit. Additional information regarding the slug test methods and analysis used by Fluor Daniel GTI can be found in the Remedial Investigation provided in Attachment 5 in the KERAMIDA Phase II Report. Based on the estimated hydraulic conductivity, groundwater seepage velocity of the shallow and deep zone of the upper sand unit was calculated using the equation:

$$v_s = k\, I/n_e$$

Where: v_s = groundwater seepage velocity (feet/day)
k = hydraulic conductivity (feet/day)
I = hydraulic gradient (unitless)
n_e = effective porosity (unitless)

Based on an average K value of 137 feet/day, a hydraulic gradient of 0.0066, and an assumed effective porosity of 0.25, the estimated groundwater seepage velocity in the shallow zone of the upper sand unit is calculated at 3.62 feet/day. Based on an average K value of 9.1 feet/day, a hydraulic gradient of 0.0025, and an assumed effective porosity of 0.25, the estimated groundwater seepage velocity in the deep zone of the upper sand unit is calculated at 0.091 feet/day

2.2.2 Sources and Extent of Contamination

Sources

Two primary source areas of contamination have been identified at the site and are referred to as the eastern source area and the western source area.

Eastern Source Area

The eastern source area is thought to be associated with apparent former solvent operations located near the southeastern corner of the building (see Figure 11a). The exact nature of historic operations and potential contaminant release mechanism in this area is not known. A former solvent storage tank existed in a partially sub-grade concrete structure that was located outside along the facility wall in this area. General Motors removed the solvent tank and concrete structure in 1990's. Documentation of this removal is not available, though based on soil data collected since that time, the removal of the tank and structure mitigated any source material in this area.

Western Source Area

The western source area is associated with former parts degreasing operations and waste burial activities located in the western portion of the Site. It is reported that subsequent to degreasing, parts were placed outside on racks to dry. It is thought that solvent dripping from the drying parts provided a release mechanism to the subsurface. In addition, waste parts, grindings, and other materials used in Site operations were buried en masse or in drums. A geophysical survey conducted in the western source area indicated several waste burial areas (see Figure 15). The waste burial and parts drying locations encompass a geographical area of approximately 1.75 acres. Exploratory trenching was conducted in each geophysical anomaly area to determine the presence of buried waste.

The trenching confirmed the presence of buried waste in areas anomaly A1 through A6 and A8. The aggregate of these areas is approximately 23,000 square feet (approximately 0.5 acres). The identified buried waste (approximately 10,000 tons) was removed and properly disposed between April and July of 2001. Confirmation soil sampling conducted during the removal action verifies that all source material in the identified burial areas was removed.

During the removal action, it was observed that buried waste in area A3 extended beneath the building. Soil borings placed inside the building revealed that the buried waste extended beneath the building approximately 100 feet to the east and approximately 75 north from the southwest corner of the building. The average thickness of the buried waste was about three feet. Based on these dimensions, it is estimated that approximately 1,100 tons of waste remains beneath the

building. Removal of the waste is not feasible without demolition of the building. An exposure prevention remedy is proposed for this area.

Subsequent to the removal action, a small area (e.g. "hot spot") of elevated TCE and lead occurrence in soil was discovered at KB-33 along the western property boundary during a site-wide soil investigation in May 2001. During August 2002, soil sampling was conducted to further delineate the "hot spot". A series of step out borings were placed around KB-33. The soil borings were continuously sampled on two-foot intervals and each sample was screened for volatile vapors using a photoionization detector (PID). Select subsurface soil samples were collected from five of the borings (KB-40, KB-44, KB-45, KB-46 and KB-47) based on the PID readings and analyzed for VOC by EPA Method 8260. All two-foot subsurface soil intervals from these five borings were analyzed for total lead by EPA Method 6010. Additional sampling occurred in September 2002 due to a laboratory error and it was necessary to re-sample boring locations KB-40, KB-44, KB-45, and KB-46. All sampling was conducted in accordance with KERAMIDA Standard Operating Procedures provided in Attachment 5. Soil boring logs from this sampling event are provided in Attachment 6. Laboratory analytical results for the soil samples are provided in Tables 5a (VOC) and 5c (lead) and Figures 11a, 11b and 11d (lead). Cross Sections illustrating the findings are provided as Figures 8g and 8h. Based on the results of the supplemental sampling, the TCE "hot spot" was determined to be less than 30 feet in diameter and the lead "hot spot" was determined to be less than 10 feet in diameter. The approximate areal extents of the TCE and lead "hot spots" are illustrated on Figure 8a. Vertically, TCE occurrence in soil declined an order of magnitude from the fill materials to the native silt loam (Figure 8g). Lead occurrence also declined orders of magnitude in the native soil (Figure 8g). In general, the "hot spot" is limited to the near-surface fill materials around KB-33.

During the August mobilization, additional work was completed to further characterize VOC occurrence in groundwater south of the western source area. Monitoring well pair MW-172 was installed within the cul-de-sac on Cossell Road. Additionally one Geoprobe groundwater sample (KB-39) was collected south of Michigan Street and West of Olin Avenue adjacent to the trailer park. All well installation and groundwater sampling activities were completed in accordance with KERAMIDA Standard Operating Procedures (Attachment 5). Well completion records for wells MW-172 and MW-172D are provided in Attachment 7. The soil boring log for KB-39 is

provided in Attachment 6. Groundwater samples collected from the monitoring well pair were analyzed for VOC by EPA Method 8260, PAH by EPA Method 8310, and lead, cadmium, and total chromium by EPA 6000/7000 series methods. Analytical results are provided in Tables 7a-7c and 8a-c and Figures 12a-d and 13a-d. The groundwater sample collected from KB-39 was analyzed for VOC by EPA Method 8260. Analytical results are provided in Table 6a and Figures 12a, 12b and 12c.

Contaminants of Concern (COC) and Concentrations

The primary COC at the Site, detected during due diligence and subsequent investigations, are VOC (i.e., trichloroethene and daughter products). PAH and three metals (i.e., cadmium, total chromium, and lead) are also COC that were identified during the investigation of the buried waste. Numerous surface and subsurface soil samples have been collected at the Site during the investigation and buried waste removal activities. Analytical results for surface soil area presented in Tables 4a-c and 12a-c and on Figures 10a-c. Subsurface soil analytical results are presented in Tables 5a-c and 13a-c and Figures 11a-d. Groundwater sampling has been conducted from numerous push-probe borings and an extensive monitoring well network of multiple water-bearing zones. Certain wells within the network have been sampled over a ten-year period. Groundwater analytical results are presented in Tables 6a-c (push-probe), 7a-c (shallow wells), and 8a-c (deep wells) and Figures 12a-e (shallow groundwater) and 13a-d (deep groundwater).

The Voluntary Remediation Program Tier II Non-residential and Residential Cleanup Goals were used as screening levels to determine the nature, magnitude, and extent of COC occurrence in soil and groundwater. Data presented in the tables and figures are color coded with respect to these screening levels. Provided below is a discussion of the analytical results relative to the screening levels.

VOC

Extensive site characterization activities have been completed at the Site and indicate a minimal presence of dense non-aqueous phase liquid (DNAPL) in the subsurface. VOC occurrence identified in soil and groundwater is primarily residual in nature and does not indicate the presence of free product solvent (DNAPL).

TCE is the only solvent detected in soil at a concentration near or above its residual saturation limit. Only one of the 176 soil samples collected from the Site contained a TCE concentration greater than the 1,300 mg/kg saturation limit. The sample, KB-33 (4-6) was collected from near-surface fill materials in the western source area. A soil sample (KB-40, 6-8) collected from the subjacent native silty clay contained a TCE concentration an order of magnitude less than its saturation limit. TCE occurrence in soil in the area of KB-33 is illustrated on Figures 8g, 8h, and 11a.

TCE has only been detected once in one groundwater sample at a concentration indicating the possible presence of DNAPL. Groundwater data do not indicate the possible presence of any other solvent. A concentration equal to one percent of the solvent solubility is an industry standard indicator of possible DNAPL presence. In February 1997, a groundwater sample collected from monitoring well MW-132 located in the western source area contained a TCE concentration of 15,000 ug/L. One percent of the TCE solubility is 11,000 ug/L at standard temperature and pressure conditions. Monitoring has been conducted over a ten-year period in the western source area. TCE occurrence in groundwater is illustrated on Figures 12a.

Well MW-132 is screened in the upper half of the near-surface sand water bearing unit at depths of approximately 10-20 feet bgs. Adjacent well MW-147 is screened in the lower half of the same sand unit at depths of approximately 20-30 feet bgs. The generalized site hydrogeology of this area is illustrated on Figure 8b. Groundwater samples collected from well MW-147 seldom contain detectable TCE concentrations (Figure 12a). When detected, TCE is present in a concentration several orders of magnitude less than one percent of the solubility.

Monitoring wells MW-148, MW-153, and MW-161 are located downgradient of MW-132 (Figure 12a). Well MW-148 fully penetrates the near-surface sand water bearing unit, well MW-153 nearly fully penetrates the unit, and well MW-161 penetrates over one half of the unit (Figure 8b). A silty clay is present subjacent to the sand unit over the entire western source area. Maximum dissolved TCE concentrations detected in these downgradient wells are orders of magnitude less than one percent of solubility. Organic vapor readings taken from soil samples collected during the installation of wells MW-147, MW-148, MW-153 (MW-202), and MW-161all indicate maximum VOC concentrations near the water table surface in the saturated sand unit. The readings decline with depth to their lowest levels at the base of the sand unit. No soil boring log is available for well MW-132.

Based on the soil and groundwater analytical data and field measurements of organic vapors in soil, a conceptual model of DNAPL occurrence at the Site can be developed. In general, DNAPL presence is minimal. One localized "hot-spot" of DNAPL occurrence was discovered in the western source area. Apparent TCE solvent occurs in near-surface fill materials at a depth of approximately four to six feet bgs and is absent in the subjacent native soils. The depth to groundwater in the area of detection is approximately 12 feet bgs. The lateral extent of the "hot spot" is less than 30 feet in diameter (Figure 8a). Data indicate that migration of the DNAPL from the fill materials to the underlying native soils has not occurred.

VOC have been detected in on-site surface soil and subsurface soil above the Tier II Non-residential cleanup criteria (Figures 10a an 11a). Off-site, VOC have been discovered in subsurface soil above Tier II Non-residential screening levels (Figure 11b). On-site and off-site, VOC concentrations have been detected in groundwater above the non-residential screening levels. Most notable dissolved VOC COC include TCE, cis-1,2-DCE, and VC. Figures illustrating the occurrence of these compounds in groundwater include 12a-c and 13a-b.

PAH

PAH have not been detected in on-site surface or subsurface soil at concentrations above non-residential screening levels. PAH have been randomly detected at concentrations nominally above residential screening levels in both on-site and off-site groundwater. Figures 12d and 13c illustrate PAH occurrence in groundwater No PAH groundwater plume has been identified.

Cadmium

Cadmium has not been detected at concentrations above its non-residential screening level in on-site surface soil, but has been detected at concentrations above this level in on-site subsurface soil. Figure 11d illustrates cadmium occurrence in subsurface soil. Total cadmium is not detected in either on-site or off-site groundwater at concentrations exceeding its residential screening level. It is generally contained in buried waste material rather than site soil and groundwater. No total cadmium groundwater plume has been identified.

Chromium

Total chromium has not been detected in on-site surface or subsurface soil at concentrations above its non-residential screening level. Total chromium has not been detected at concentrations above its non-residential screening level in on-site groundwater and has not been detected at concentrations above its residential screening level in off-site groundwater. It is generally contained in buried waste material rather than site soil and groundwater. No total chromium groundwater plume has been identified.

Lead

Lead has been detected in on-site surface and subsurface soils at concentrations exceeding its non-residential screening level (Figures 10c and 11d). Lead is also primarily contained in the buried waste, however, at greater concentrations that have resulted in greater impact to site soils. Total lead has been detected at concentrations nominally above its non-residential screening level in both on-site and off-site groundwater (Figures 12e and 13d). The lead occurrence in groundwater is, however, random with no apparent connection to the western source area. No total lead groundwater plume has been identified. It has been observed that the sampling technique (i.e., standard purge and bail versus low-flow sampling) greatly affects total lead concentrations. Groundwater samples were collected using a low-flow purging technique during the July 2002, groundwater sampling event. KERAMIDA staff observed a reduction of sediment within the sample. This technique is believed to be a more of a representative sample of the actual groundwater to evaluate for the metal COC. The results, which are observed in Figure 12e and Table 7c, demonstrate that the lead concentrations are not a concern for this site.

Contaminant Characteristics

A discussion of chemical-specific toxicological profile considerations and solubility and mobility data for the COC associated with the Site is presented in the Human Health Risk Assessment (HHRA) included in Attachment 12 to the RWP.

Extent of Contamination

This section describes the horizontal and vertical extent of contamination in site soil and groundwater and in surface water of Little Eagle Creek as well as historic concentration trends over time.

VOC

Eastern Source Area

VOC are detected in the soils at concentrations below Tier II Non-Residential Cleanup Goals (screening levels) in this area. Figures 10a, 11a and 11b present surface and subsurface soil analytical results in the area. As seen in these figures, VOC were detected in soil in an area extending approximately 140 feet south of the building (MW-146) to approximately 240 feet east of the source area (MW-156) located off-site on the east side of Olin Avenue. It should be noted that subsurface soil samples collected from MW-146, SB-10-5, MW-156, and MW-200, were collected at intervals within the historic range of the groundwater table. Therefore, the VOC results in these samples may be more reflective of groundwater conditions rather than soil conditions. When not considering these samples, the area of VOC occurrence in soil decreases to approximately 80 feet south of the building (GP5) to approximately 60 feet east of the source area (SB10-4).

VOC have been detected in the groundwater at concentrations above Tier II Non-Residential Cleanup Goals both on-site and off-site to the east in the neighboring residential area. Monitoring wells associated with the eastern source area include MW10-1, MW-135, MW-146, MW-150, MW-151, MW-152, MW-156, MW-157, MW-159, MW-162, MW-163, MW-164, MW-200, MW-201, and MW-301. Figures 12a to 12c present historic dissolved TCE, cis-1,2-DCE, and VC data in the shallow zone of the upper sand unit, respectively. As seen in these figures, groundwater plumes have been identified for cis-1,2-DCE and TCE. VC is absent in the eastern source area. As expected, the TCE plume is greater in magnitude and extent than its daughter product cis-1,2-DCE. Dissolved TCE concentrations exceeding residential cleanup goals extend approximately 350 feet east of the site to Luett Avenue and about 150 feet south of the site near the end of Olin Avenue. The cis-1,2-DCE groundwater plume is smaller in magnitude and extent. Cis-1,2-DCE concentrations exceeding residential cleanup goals extend approximately 200 feet east and approximately 130 south of the site.

An anomalous area of dissolved TCE occurrence is noted at the location of MW-163 and KB-1 (see Figure 12a). Lower TCE concentrations exist around this area to the north in MW-162, to the west in KB-12 through 15 and MW-150, to the south in MW-156, and to the east in KB-11.

Based on the observed groundwater flow patterns and surrounding groundwater data, the cause of the elevated TCE at this location is uncertain and seemingly not associated with the site.

Vertically, the dissolved VOC are contained within the shallow zone of the upper sand unit. TCE has not been detected in the deep zone of the upper sand unit anywhere at the site. cis-1,2-DCE has not been detected in the deep zone of the upper sand unit in the eastern source area. cis-1,2-DCE occurrence in the deep zone is depicted on Figure 13a. As previously mentioned, VC is absent in the eastern source area

Historic groundwater data for push-probes, shallow monitoring wells, and deep monitoring wells are presented in Tables 6a, 7a, and 8a. TCE, cis-1,2-DCE, and VC historic data in shallow groundwater are also depicted in Figure 12a, 12b and 12c, respectively. Groundwater data in the eastern source area are available for some wells from as early as 1992. As can be seen in the time series data, there is no apparent upward trend in TCE concentrations indicating that the plume is stable or decreasing.

Western Source Area

VOC were detected in subsurface soils of the western source area at concentrations above non-residential screening levels (Figure 11a). VOC were generally present in trace concentrations or absent in surface soils of this area. It should be noted that VOC are not present in soil or groundwater beneath the building at concentrations above non-residential screening levels (Figures 11a and 12a).

VOC are detected in groundwater both on-site and off-site to the south across Little Eagle Creek at concentrations exceeding Tier II Non-Residential Cleanup Goals. As discussed in a later section, off-site VOC occurrence is, at least in part, attributable to off-site sources. As with the eastern source area, the primary VOC of concern include TCE, cis-1,2-DCE, and VC. On-Site, the VOC occurrence is limited to the shallow zone of upper sand unit. Off-Site to the south, the VOC occurrence appears to be greatest within the deep zone of the upper sand unit. VOC have not been detected in the lower silty clay unit at concentrations above residential screening levels.

TCE is only detected on-site at concentrations above non-residential screening levels in the shallow zone of the upper sand unit (see Figure 12a). TCE is not detected in the upper sand unit off-site to the south, but rather, only daughter products cis-1,2-DCE and VC are detected. Cis-1,2-DCE is present off-site in both the shallow and deep zones of the upper sand unit at concentrations above residential screening levels (Figures 12b and 13a). In the shallow zone, cis-1,2-DCE is intermittently present and no identifiable dissolved plume is apparent. The greatest off-site concentrations of cis-1,2-DCE occur in the central portion of the Michigan Meadows apartment property (MW-166). Much lesser concentrations have been detected in the well (MW-165) located on the Michigan Meadows apartment property just south of Little Eagle Creek upgradient of MW-166 (Figure 12b). Cis-1,2-DCE is less extensive in the deep zone as shown in Figure 13a. VC occurrence in the shallow zone is similar to that of the cis-1,2-DCE (Figure 12c). The VC occurrence is more extensive in the deep zone than in the shallow zone (Figure 13b).

Historic groundwater data for push-probe soil borings, shallow monitoring wells, and deep monitoring wells are presented in Tables 6a, 7a, and 8a. TCE, cis-1,2-DCE, and VC historic data from the shallow zone are also depicted in Figure 12a, 12b, and 12c, respectively. On-site groundwater data in the western source area are available in some wells as early as 1992. As can be seen in the time series data, there is no apparent upward trend in TCE concentrations and historic maximum TCE concentrations have been observed in times past indicating that the plume is stable or decreasing. Less time series groundwater data are available off-site to the south.

PAH

PAH occurrence was originally discovered in the western source area in association with the buried waste material. Since PAH were added to this list of COC, subsequent soil sampling was performed across the site to investigate PAH occurrence and provide data for closure. Although associated with buried waster material, surface and subsurface soil analytical data show that PAH are generally not detected in the western area. PAH were detected at concentrations below non-residential screening levels in the surface soils in the eastern portion of the site (see Figure 10b). It is thought that the PAH occurrence is due to historic general land use. As with VOC, the PAH occurrence in soil was mitigated during the buried waste removal action. One isolated

PAH occurrence was observed in the buried waste present beneath the building at a concentration below non-residential and residential screening levels (Figure 11c).

In groundwater, PAH (the carcinogenic PAH in particular) are randomly detected at concentrations below non-residential screening levels. In the shallow zone, PAH in off-site wells MW-162 (located east of the site on Olin Avenue) and MW-169 (located south of the site on Cossell Road) have been detected at concentrations above residential screening levels, but below non-residential screening levels (Figure 12d). Based on their location of occurrence, they do not appear to be related to the site. Similarly, in the deep zone, PAH have been detected at concentrations above residential screening levels, but below non-residential screening levels in on-site well MW-200 and off-site well MW-167D located along Michigan Street to the south (Figure 13c). As with the shallow zone, the PAH occurrence in the lower zone is random and limited in extent.

Metals

Metals occurrence in site soils is related to the buried waste in the western source area (reference Figures 10c and 11d). In this area, only lead was detected in surface soil at concentrations above non-residential screening levels. Cadmium, and lead were detected in subsurface soils at concentrations above non-residential screening levels in this area. With the exception of the identified hot-spot at KB-33 and the buried waste remaining beneath the building, the buried waste removal action conducted in the western source area have mitigated metals occurrence in soil. Locations where surface soils containing lead concentrations above the non-residential screening level were removed during remedial activities are indicated on Figure 10c. As previously discussed, the lead "hot spot" detected at KB-33 is approximately 10 feet in diameter and confined to the near-surface fill materials (<6 feet depth).

In groundwater, only total chromium and total lead have been detected. Total chromium has not been detected in either on-site or off-site groundwater at concentrations above residential screening levels. Total lead has been detected at concentrations nominally above non-residential screening levels. Its occurrence is erratic and does not indicate the presence of a definable groundwater plume. The total lead concentrations from early sampling events appear typical to groundwater samples where turbidity is a concern. This is supported by a comparison of the historic total lead concentrations. Initial sampling for total metals was performed using standard

purge and sample techniques with bailers. This technique tends to result in more turbid samples. As required by VRP guidance, none of the groundwater samples collected at the Site have been filtered. The most recent sampling event was performed using low-flow sampling methods. As can be seen in Tables 7c and 8c, total lead levels significantly decreased using low-flow sampling. Based on the most recent data, total lead concentrations slightly exceed residential screening levels in only five wells, four of which are located off-site to the south. Only on-site well MW-200 (with a lead concentration of 36.6 ug/l), which is not located in the western source area, contained total lead above its residential screening level of 15 ug/L. Based on the most recent sampling data, total metals in groundwater are not a concern at the site.

Other Potential Sources

The Site is located in an area with a long history of heavy industrial activity. Given the land use of the surrounding area, available information related to environmental concerns in the area of the Site was reviewed to assess the potential for other sources of COC found at the Site. The information search consisted of a review of historic aerial photographs, MCHD files, and IDEM files, and an environmental database search conducted by Environmental Data Resources, Inc.

Four properties located in close proximity to the Site were identified as potential additional sources of COC. These include Allison Transmission immediately to the west across Holt Road, United Station #6122 located northwest of the Site, the Marathon Oil Terminal located north of the Site, and the Coca Cola Bottling site located to the south at Michigan Street. Petroleum hydrocarbon contamination was documented at each of the four sites. Of noted environmental concern was information related to a historic hazardous waste dump at the location of Allison Transmission Plant 3 obtained from a CERCLIS Preliminary Assessment Report dated August 27, 1986 and a State Board of Health office memorandum dated August 16, 1985. The documents indicated that potentially hazardous materials such as transit boards (asbestos), foundry sand, sodium hydroxide, scrap metal, heavy metal hydroxides, solvents, and industrial trash resulting from plating, polishing, and manufacturing operations may be located underneath approximately 20 feet of fill. Other documentation included an IDEM incident reporting log dated June 14, 1988 documenting a release of an unknown quantity of PCE from an underground storage tank (UST) located at Allison Transmission Plant 12.

Historic aerial photographs dated from 1941, 1950, 1956, 1962, and 1972 were reviewed to evaluate surrounding land activity over time. The aerial photographs showed the progression of the building expansions at both the Site and Allison Transmission. Land use south of the Site at the current Michigan Meadows Apartments appeared to remain undeveloped until construction of the apartments, which occurred sometime between 1962 and 1972. No other indications of potential industrial operations were noted in the area.

In addition to potential sources identified by the information search, off-Site soil and groundwater data collected by KERAMIDA indicate that VOC contamination detected across Little Eagle Creek to the south is, at least in part, attributable to an off-site source or sources.

Soil samples (KB-17 and KB-24) collected from vadose soils on the Michigan Meadows Apartment and Michigan Plaza Shopping Center properties contain PCE and TCE concentrations indicating an off-site source (Figure 11b). The maximum concentration of PCE detected in soil anywhere was behind the Michigan Plaza Shopping Center approximately 1150 feet away from the site. The concentration detected was an order of magnitude greater than the maximum reported in the 176 samples collected from the Site. PCE has been detected in approximately 9% of the soil samples at the Site. When detected, PCE is generally present at trace levels. None of the detections exceeded the Tier II Non-residential Cleanup Goal for PCE. The infrequent and trace-level detections of PCE in soil at the Site indicate that this solvent was not used at the former facility and that it was an impurity in the TCE solvent used. According to interviews with former employees, PCE was never used at the former remanufacturing facility. PCE in soil data are provided in Tables 4a, 5a, 12a and 13a.

TCE is generally absent in groundwater south of Little Eagle Creek (Figure 12a). TCE has been observed in shallow groundwater approximately 900 feet south of the Site near the intersection of Michigan Street and Olin Avenue. Groundwater samples collected from boring KB-23 and monitoring well MW-168 contained detectable TCE concentrations. No other samples collected south of Little Eagle Creek, including those from between the Site and this location, contained detectable TCE concentrations. Most notably, well MW-165 located just across Little Eagle Creek from well MW-161 and screened in the same interval, has never contained a detectable TCE concentration even though MW-161 has contained up to 4,300 ug/L dissolved TCE. Well

MW-168 is located in the general vicinity of sample locations KB-17 and KB-24 where PCE and TCE were detected in vadose soil.

PCE has also been detected in MW-168 at a concentration near its Tier II Non-residential Cleanup Goal (Table 7a). No other well off-site has ever contained a detectable dissolved PCE concentration. PCE has been detected in groundwater once in one monitoring well on-site during the ten years of monitoring. Well MW-132 contained a detectable level of PCE in February 2000 at a concentration less than that that detected in MW-168 (Table 7a).

PCE and TCE daughter (breakdown) products cis-1,2-DCE and VC have been detected in groundwater south of Little Eagle Creek at concentrations orders of magnitude greater than those detected on-site at similar depth intervals in the lower portion of the sand unit (Figures 13a and 13b). The compounds are generally absent in on-site groundwater at this depth interval. The dissolved daughter product detections in the deep zone of the sand unit at MW-165 and MW-166 located at the Michigan Meadows Apartments are orders of magnitude greater than those detected in shallow groundwater at the same locations. Organic vapor measurements taken from saturated soil samples during the installation of wells MW-165 and MW-166 confirm this observation. Photoionization Detector (PID) readings are generally low (< 10 parts per million vapor) in the shallow portion of the water bearing sand unit. Maximum concentrations of organic vapors were detected in soil samples collected from the base of the sand unit. By contrast, PID readings in soil taken during the installation of monitoring wells north of Little Eagle Creek (egg MW-161) indicate a decline of VOC vapors with depth to the underlying silty clay. The lowest concentrations are detected at the silty clay interface. Monitoring well construction records indicating PID measurements are provided in Attachment 7.

Dissolved cis-1,2-DCE and VC migrating from the Site would move laterally under Little Eagle Creek. No significant vertical gradients have been identified in the sand water-bearing unit that would cause dissolved contamination to be advectively transported vertically (Table 2) to the lower zone. Since observed dissolved concentrations of cis-1,2-DCE and VC are greater in the deeper portion of the sand unit, diffusive transport of the compounds from the shallow to deep zone is also not apparent. As previously discussed, no migration of DNAPL from the Site has occurred. In addition, if DNAPL were present in the lower portion of the sand unit off-site, the solvent should be present in a detectable concentration. No TCE has been detected off-site in the

lower portion of the sand unit. Dissolved cis-1,2-DCE and VC in the shallow groundwater off-site also appear to be, at least in part, a result of an off-site source. Concentrations of these compounds are lowest in MW-165 immediately across Little Eagle Creek from MW-161 and increase to the south onto the apartment complex property (MW-166).

Ecological Media of Concern

Samples of the sediment, sediment pore water, and surface water of Little Eagle Creek have been analyzed for VOC. VOC are not detected in the sediment, but have been detected in the sediment pore water. VOC are detected in surface water on one instance at one location during low flow conditions.

Fluor Daniel GTI collected surface water samples at three locations in October 1996 and February 1997 and analyzed them for VOC. The October 1996 sampling event represented low flow conditions and the February 1997 sampling represented high flow conditions. The only VOC detected in the two events was cis-1,2-DCE. Cis-1, 2-DCE was not detected in the upgradient station ST-1. The two surface water stations adjacent to the two on-Site plumes revealed positive detections of cis-1,2-DCE in the low flow sampling event only with a maximum detected concentration of 17 ug/L. No other VOC were detected in either sampling event.

The detections of cis-1,2-DCE in these locations support the assumption that the groundwater in the upper aquifer is discharging to the Little Eagle Creek. In order to evaluate whether the detections of cis-1,2-DCE would be the expected worst-case surface water conditions in the future, aquifer-stream interaction modeling was performed by Fluor Daniel GTI. Utilizing the anomalously high results in hydro punch sample HP-1 as a continuous source for concentrations along the stream, the model predicted that the detections found for cis-1,2-DCE represent the worst-case conditions for current and future exposures. The model predicted at low flow that concentrations of vinyl chloride and trichloroethene would be below the reporting limits for the analytical method utilized. This conclusion is supported by the analytical results from two sampling events.

Literature screening values were obtained for evaluation of potential ecological receptors for cis-1,2-DCE. The U.S. EPA's *Quality Criteria for Water 1986* (1987) lists an acute lowest observed effect level (LOEL) for dichloromethane for freshwater organisms at 11,600 ug/L. The *Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Freshwater Biota* (Sutter, 1996) cites a Lowest Chronic Value extrapolated from an LC50 using regression at 14,680 ug/L and a Lowest Chronic Ambient Water quality criterion for fish at 9,538 ug/L. These references demonstrate that the low detections of cis-1,2-DCE are almost three orders-of-magnitude less than the lowest of these literature screening values and thus, demonstrate the insignificant potential threat to ecological receptors of cis-1,2-DCE in the surface waters at the Site.

2.2.3 Ecological Assessment Results

A site-specific Ecological Risk Assessment (ERA) has been prepared for the site and is included in Attachment 13.

3.0 CLEANUP CRITERIA SELECTION

Cleanup criteria that are protective of the human and ecological receptors previously identified are proposed for Site COC. A complete list of Site COC is provided in Attachment 21. The first step in the selection of cleanup criteria was the identification of conservative default screening values for the human and ecological receptors at the Site. Detected COC concentrations in Site media that exceed the screening levels were then evaluated further for appropriate remedial options and cleanup criteria. If the COC did not have a VRP Tier II Cleanup Goal, the goals were obtained from another regulatory source or calculated if necessary. Screening levels for ecological risk were determined based on U.S. EPA Region 5 procedures.

The sections below detail the process of evaluation of the various Screening Levels for Human (Section 3.1) and Ecological (Section 3.2) Exposure. Sections 3.3, and 3.4 provide a description of the areas where the selected screening levels were exceeded.

3.1 HUMAN HEALTH SCREENING LEVELS

The default VRP Tier II Non-Residential Cleanup Goals for surface soil and subsurface soil were used as screening values for human health exposure pathways. For those COC that do not have VRP Tier II Non-Residential Cleanup Goals, the U.S. EPA Region 9 Preliminary Remediation Goals (PRG) table (USEPA 2000) was consulted for available screening levels. The PRG table lists screening levels for direct contact with soil by residential receptors and industrial receptors. For COC lacking VRP Tier II Non-Residential Cleanup Goals and Prigs, screening levels were calculated using the default equations and parameters listed in Appendix F of the VRP Resource Guide (IDEM 1996) and available toxicity values and information. The sources of toxicity values and information used include the following in descending order of preference:

- "Integrated Risk Information System (IRIS)" database (U.S. EPA 2001)
- "Health Effects Assessment Summary Tables (HEAST)" (U.S. EPA 1997)
- USEPA provisional toxicity values listed in the Region 9 PRG table (U.S. EPA 2000)
- Surrogate toxicity values used by USEPA Regions 5 and 6

Attachment 12 presents the screening level calculations for COC lacking VRP Tier II Non-Residential Cleanup Goals and Prigs. Tables 4 through 13 present the analytical data for samples collected from the Site, the VRP Tier II Non-Residential Cleanup Goals, available Prigs, and calculated screening values. Naturally occurring background concentrations reported for metals in soil are also listed in these tables. Each detected COC concentration was compared to applicable screening level to determine if further evaluation or remediation is required at that respective location. The results are discussed in the following sections.

3.1.1 Surface Soil Screening Results

COC concentrations in surface soil were compared to VRP Tier II Non-Residential Cleanup Goals (screening levels) because current and future land use indicates only non-residential activities will occur at the Site. None of the COC were indicated in surface soil at concentrations exceeding the non-residential screening levels.

3.1.2 Subsurface Soil Screening Results

COC concentrations in subsurface soil were compared to VRP Tier II Non-Residential Cleanup Goals (screening levels) because current and future land use indicates only non-residential activities will occur at the Site. Please note that there were not any results above the residential screening levels offsite. The results indicate that the following COC are present in subsurface soil on-site at concentrations exceeding their non-residential screening level:

- Total Lead
- Total Cadmium
- cis-1,2-DCE
- TCE
- 1,2,4 Trimethylbenzene

Soils containing the above mentioned COC exceeding the VRP Tier II Non-Residential Clean Up Goals were all located within the western source area. The western source area is associated with former parts degreasing operations and waste burial activities located in the western portion of the Site. It is reported that subsequent to degreasing, parts were placed outside on racks to dry. It is thought that solvent dripping from the drying parts provided a release mechanism to the subsurface. In addition, waste parts, grindings, and other materials or solvents used in Site operations were buried en masse or in drums.

3.1.3 Groundwater Screening Results

COC concentrations in groundwater were compared to VRP Tier II Non-Residential Cleanup Goals (screening levels) because current and future land use indicates only non-residential activities will occur at the Site. The results indicate that the following COC are present in groundwater at concentrations exceeding their non-residential screening level:

- Total Lead
- Total Cadmium
- cis-1,2-DCE
- Methylene Chloride
- TCE
- VC

Two primary source areas of contamination have been identified at the site, which are referred to as the eastern source area and the western source area described above. The eastern source area is thought to be associated with apparent former solvent operations located near the southeastern corner of the building. The exact nature of operations in this area is not known. A former above ground storage tank (AST) apparently used for solvent storage was located outside along the facility wall in this area that was removed in 1990's.

3.2 ECOLOGICAL SCREENING LEVELS

The VRP Resource Guide (IDEM 1996) does not contain ecological cleanup goals; therefore, other sources were consulted for appropriate screening levels. Consistent with USEPA Region 5 procedures, the following sources were used to obtain soil-screening levels:

- "Intervention Values and Target Values—Soil Quality Standards (The New Dutch List)" (Ministry of Housing, Spatial Planning, and Environment 2001)
- "Canadian Soil Quality Guidelines for Protection of Environmental and Human Health" (Canadian Council of Ministers of the Environment 1999)

Sample locations within the riparian habitat of Little Eagle Creek were identified. Ecological screening levels were then identified for detected COC from the sources listed above. The analytical data and screening levels are presented in Tables 9 through 11. Naturally occurring background concentrations reported for inorganics in soil are also listed in these tables. Each detected COC concentration in the riparian habitat was compared to applicable screening levels to determine if further evaluation or remediation is required at that respective location.

3.3 CLEANUP CRITERIA

Based on the results of the human health, and ecological screening described above, remedial options and cleanup criteria were identified for Site soils and Site Groundwater.

3.3.1 Surface Soil Criteria

Based on the results of the human health surface soil screening, surface soil remediation will not be required.

3.3.2 Subsurface Soil Criteria

Based on the results of the human health subsurface soil screening, the following areas and COC will require remediation:

- The western source area associated with former parts degreasing operations and waste burial activities located in the western portion of the Site.
- COC to be addressed include TCE, cis-1,2-DCE, 1,2-Trimethylbenzene, lead, and cadmium.

The proposed cleanup criteria for these COC in these areas are the VRP Tier II Non-Residential Cleanup Goals for subsurface soil.

3.3.3 Groundwater Criteria

Based on the results of the human health groundwater screening described above, the following areas and COC will require remediation:

- The eastern source area thought to be associated with apparent former solvent operations located near the southeastern corner of the building.
- The western source area associated with former parts degreasing operations and waste burial activities located in the western portion of the Site.
- COC to be addressed include TCE, cis-1,2-DCE, 1,2-Trimethylbenzene, and VC.

The proposed cleanup criteria for these COC in these areas are the VRP Tier II Non-Residential Cleanup Goals.

4.0 STATEMENT OF WORK

4.1 OBJECTIVES OF REMEDIAL ACTION

The objectives of the remedial action are to remove known buried wastes such as automotive parts and drums of discarded floor sweeps/automotive scraps and to address residual VOC, PAH, and targeted metals occurrence in soil and groundwater where present at concentrations at or above the identified cleanup goals.

Previous investigations identified two separate source areas of Site COC. These source areas are located in the western and southeastern portions of the Site. VOC groundwater contamination from these two source areas extends southward off the property in the direction of groundwater flow. Apparent off-site sources of VOC in groundwater have also been identified.

A full-scale air sparge/soil vapor extraction (AS/SVE) System was constructed to aggressively reduce the two separate VOC groundwater plumes on site and to mitigate the offsite migration. The AS/SVE System consists of air sparging and vapor extraction wells. Additionally, phytoremediation was incorporated into the system and is comprised of two rows of hybrid poplar trees lining the entire southern property boundary to further mitigate off-site COC migration.

Off-site VOC occurrence in groundwater will be addressed through an exposure prevention remedy. Potential exposure scenarios and related risks are discussed in Section 5.

4.2 SUMMARY

A. Major tasks to be completed or that have already been completed to address the soil contamination are as follows:

- Removal of buried drums containing scrap automotive parts and other waste materials located in the western source area.
- Removal of additional VOC, PAH, or metals-impacted soil encountered during the implementation of the above tasks. This may include soils excavated during the above tasks and/or soils determined to contain VOC, PAH, and metals, above the selected remediation goals based on confirmation sampling.
- In-place remediation of the TCE "hot spot" by SVE. Following the reduction of TCE concentrations in soil, the identified lead-impacted fill materials in the "hot spot" will be removed and properly disposed of.

B. Major tasks to be completed or that have been implemented to address groundwater contamination are as follows:

- Installation and operation of an AS/SVE system in the eastern and western source areas.

- Planting of hybrid poplar trees along the southern (downgradient) property boundary.
- Plume stability monitoring to confirm that the identified dissolved VOC plumes are not expanding.

4.3 SITE SAFETY PLAN

A detailed site health and safety plan has been prepared for the remedial activities. The plan conforms to OSHA standards as outlined in 29 CFR 1910.120. A copy of the plan is provided as Attachment 11. All personnel and visitors involved in remediation activities at the site, will be briefed on the plan's contents, given the opportunity to read the plan and required to sign the plan and date their signature.

4.4 QUALITY ASSURANCE PROJECT PLAN

KERAMIDA has prepared a detailed quality assurance project plan for the remediation effort. The plan meets all of the criteria described in the Voluntary Remediation Program Resource Guide (IDEM, 1996). A copy of the plan is provided as Attachment 10.

5.0 RISK ASSESSMENT

A site-specific Human Health Risk Assessment (HHRA) and Ecological Risk Assessment (ERA) have been performed to evaluate potential risks to human health and the environment. The objectives of the HHRA and ERA were to (1) evaluate potential adverse human health effects and ecological effects from site-related contaminants, and (2) develop site-specific closure levels for contaminants of concern. The results of the HHRA and ERA were then used to develop remedial goals and procedures for the Site. The HHRA and ERA are included as Attachments 12 and 13, respectively.

Results of the HHRA indicate that the levels of COPC in on-site surface soil, subsurface soil, and groundwater are not expected to present any excess risks to on-site industrial workers or construction/utility workers through incidental soil ingestion or inhalation of vapors or particulates. There is no on-site exposure pathway to groundwater for drinking purposes because no wells are located on-site, potable water is provided by municipal water supply, and

the Site is located in a No Well Zone which restricts the installation of water supply wells. Although current COPC concentrations in on-site soil and groundwater do not require remediation to prevent excess risks to receptors, the VRP Tier II default non-residential cleanup goals have been selected as remedial goals for these media.

The potential off-site commercial/industrial worker and residential receptors may be exposed to unacceptable risks and hazards if current groundwater COPC concentrations remain the same and potable use of groundwater continues in downgradient areas. However, the groundwater COPC are likely contributed by off-site sources as well as the Site and, therefore, the risks from off-site groundwater COPC are only partially attributable to on-site source areas. Identification and delineation of off-site source areas would be required to evaluate the relative contributions of on- and off-site sources to the groundwater COPC concentrations and resulting risks. Should COPC concentrations and groundwater use remain the same, the VRP default residential and non-residential cleanup goals would be appropriate for residents and commercial/industrial workers, respectively. If exposure to groundwater COPC is prevented, alternative cleanup goals should be identified for groundwater. If groundwater COPC concentrations decline, then potential risks and hazards should be re-evaluated to determine if they have decreased to below the target levels.

No analytes were detected in surface water or sediment samples of Little Eagle Creek. Therefore, no risks or hazards are expected for recreational users or ecological receptors in this habitat. In addition, groundwater fate and transport modeling shows that no site-related COPC will reach Eagle Creek. The issue of PAH, metals, and non-detectable VOC will be addressed by confirmation sampling to ensure that if any of these chemicals are detected in Little Eagle Creek, they indeed are below human and ecological screening levels.

6.0 REMEDIATION PLAN

6.1 BURIED WASTE REMOVAL ACTION

Historic buried waste was discovered in May 2000 while installing groundwater remediation system piping. During this time, stained soils, decayed drums, and miscellaneous small metallic debris (automotive parts) were encountered during trenching activities in the southwest corner of

the Site in the vicinity of remediation system vent well SVE-8 (see Figure 17 for location). Contaminated soil with varying amounts of debris was also encountered in the vicinity of SVE-3 and in several soil/vent well boreholes.

The discovery of the buried waste prompted an investigation of the entire property (excluding areas under roof) to locate other potential burial areas. The investigation included a geophysical survey and exploratory trenching. In response to these findings, a removal action was designed and implemented to mitigate the buried waste concern. The remedial action consisted of waste sampling, analysis, and waste determination, waste excavation, transport, and disposal, confirmatory soil sampling, and restoration. The waste removal action spans from discovery in May 2000 to completion of the action in July 2001.

During removal, the debris was noted to extend beneath the western portion of the facility building. A Geoprobe® survey was conducted to characterize the fill material and delineate its extent. The buried waste extends approximately 100 feet to the east beneath the building and is limited to the north and south by the footprint of the building. The approximate extent of waste materials beneath the building is illustrated on Figure 16. Based on the Geoprobe® survey, the buried waste typically begins one to feet bgs and terminates at depths ranging from 3 to 5 feet bgs. A thin layer of parts was noted between 13 and 13.5 feet bgs in KB-i4. In general, the buried waste beneath the building consists of a similar mixture of small metal parts and other debris encountered. The only exception is a one-foot thick layer of powdery material observed in KB-i6, which contained no parts or other debris in the entire boring. Given an average thickness of approximately three feet and an area of approximately 7,500 square feet, the total volume of material remaining beneath the building may approach approximately 22,500 cubic feet (830 cubic yards). Since removal of the buried waste beneath the building is infeasible, an exposure prevention remedy will be used to address this concern as discussed in previous Section 4.0.

The Phase II Report provides an in depth discussion and extensive documentation on the buried waste removal action summary above. As part of this RWP, the following information regarding the buried waste removal action is presented:

- Surface and subsurface soil confirmation sampling results are presented in Tables 12a-c and 13a-c, respectively,
- Surface and subsurface soil confirmation sample locations and analytical results are depicted on Figures 10a-c and 11a-d, respectively,
- Geophysical anomalies and test trench locations are depicted on Figure 15, and
- Removal action excavation areas are depicted on Figure 16.

6.2 GROUNDWATER REMEDIATION PLAN

6.2.1 Development and Screening of Remedial Alternatives

The initial development and screening of alternatives is based on information provided in the September 19, 1997 "Draft Remedial Investigation Report" prepared by Fluor Daniel GTI for General Motors found in Attachment 5 of KERAMIDA's "Phase II Investigation Report" dated March 29, 2002. *"The objective of the development and screening of technologies is to identify, screen, and develop alternatives for removal, containment, treatment and/or other remediation of impacted areas at the site."*

The Investigation identified two separate VOC groundwater plumes associated with two separate source areas. These source areas are located in the western and southeastern portions of the Site. VOC groundwater contamination from these two source areas extends southward off the property in the direction of groundwater flow. Alternatives for the remediation of these two source areas of groundwater contamination were screened by using matrices for evaluating remediation strategies as documented in the June 3, 1997 "Draft Feasibility Report" prepared by Fluor Daniel GTI for General Motors found in Attachment 5 of KERAMIDA's "Phase II Investigation Report" dated March 29, 2002. *"These matrices were based upon applicability (technical feasibility), protection of public health and the environment, cost and treatment time, and administrative considerations."*

Site-specific information, such as chemical type and characteristics; site medium; chemical concentrations distribution throughout medium; etc. is needed to screen remediation technologies and identify potential corrective measure alternatives. Advantages such as mobility reduction, destruction, volume reduction, etc. and disadvantage such as emerging or inappropriate technology, non-permittable, etc. are used to evaluate the applicability of a technology to

remediate impacted areas at any specific site. Exposure to site workers, visitors, and surrounding population along with potential community impacts (real or perceived) is evaluated. And capital costs, operating costs, treatment time and administrative considerations are also evaluated. Each of the areas evaluated is rated and given a numerical value to the technologies relative applicability to the specific site.

6.2.2 Remedial Technologies Screened

Various active remedial technologies in combination with each other were considered for source area treatment of groundwater including:

- Soil Vapor Extraction combined with Air Sparging,
- Groundwater Pump & Treat, and
- Ozone Injection

The two most viable options for groundwater remediation in the "Draft Feasibility Report" include soil vapor extraction (SVE) combined with air sparging (AS) and groundwater pump & treat.

6.2.2.1 Soil Vapor Extraction

Soil vapor extraction is a process of removing volatile contaminants from the subsurface by using a vacuum to create airflow through the subsurface soil. The continual flow of air results in volatilization of contaminants either from adsorbed phase or free phase and ultimate removal by the vacuum system. SVE also is used in conjunction with air sparging to remove vapors from the subsurface after they are volatilized from the groundwater by the sparging system. The effectiveness of vapor extraction is limited by the volatility of the contaminants and the air permeability of the soil. Clay-rich soils typically have low air permeability and are not good candidates for SVE unless it is enhanced by soil heating. Sandy soils such as those present beneath the fill material and surfical silty clay at the Site are well suited for SVE. However, the treatment would be limited to the unsaturated zone.

This technology has been widely used and is well accepted for unsaturated zone treatment. However, it may require treatment of extracted vapors to eliminate issues of discharge of potential pollutants to the atmosphere. This alternative would require pilot testing to evaluate its feasibility at the Site and to obtain information for a full-scale design.

6.2.2.2 Air Sparging

Air sparging is a widely used and relatively well-accepted remedial technology consisting of the injection of air below the groundwater table to volatilize contaminants. The technology is applicable to dissolved contaminants as well as free phase. The process involves the creation of air bubbles moving through the soil in the saturated zone. As the bubbles move upward, contaminants are volatilized into the air bubble and moved into the unsaturated zone. The contaminants can then be removed by soil vapor extraction or in some cases allowed to naturally migrate to the surface. In cases where contaminants can degrade aerobically, AS can enhance natural attenuation by providing oxygen (biosparging). AS systems can also be used to deliver nutrients to the groundwater. AS systems are suitable for relatively homogeneous medium to high permeability soil. Sandy soils such as those present beneath the fill material at the Site are well suited for AS.

This technology is well suited for the saturated zone at the subject site and is a proven, widely-accepted technology. This alternative would require pilot testing to evaluate its feasibility at the Site and to obtain information for a full-scale design.

6.2.2.3 Groundwater Pump and Treat

Groundwater pump and treat consists of physical removal of contaminated water from the ground, treatment of the water to remove the contaminants (by air stripping, carbon adsorption, or other physical/chemical methods) and discharge of the treated water to a sewer or stream. This can be an effective method for controlling plume migration, especially in permeable soils. However, the removal rate of contaminants is limited by the process of adsorption and desorption of contaminants to/from soil particles and diffusion into the groundwater. Thus, the efficiency in contaminant mass removal is generally poor, resulting in extended remediation times (tens of years). Also, these systems require considerable maintenance and generate waste streams.

Although this technology is widely used, it is more applicable as a dissolved plume control technology than a remediation technology. Proper design requires pilot testing to determine aquifer characteristics. Due to the extensive time frame to achieve remediation goals and the associated O&M costs, including permit issues for discharge of the treated groundwater, this technology is not well suited for the Site.

6.2.3 Treatability Investigation

Based on the screening of technologies and the potential applicability of SVE/AS, Fluor Daniel GTI conducted pilot scale tests in the western and southeastern source areas of the Site on February 24, 1997 to:

- evaluate the technical feasibility of using the SVE/AS technology at the site;
- determine the radius of influence for single-well SVE test;
- determine the radius of influence for single-well AS test.

The SVE only pilot scale test in the southeastern area of the Site determined that a vacuum radius of influence (ROI) of approximately 28 feet can be achieved by the application of a vacuum of 14 inches of water. This equates to a design flow rate of 25 standard cubic feet per minute (scfm) per foot of well screen at 14 inches of water. Short-term SVE tests were also conducted in western area of the Site. A vacuum of 45 inches of water at a flow rate of 25 scfm per foot of well screen was observed. The results from the western area of the Site suggested that adequate airflow rates can be achieved except in the extreme northwest portion due to greater amounts of clay and silt in the vadose zone. Descriptions of the pilot test set-up, methods used and monitoring parameters can be found in the "Draft Feasibility Study Report".

The AS only pilot scale test was conducted in the southeastern area of the Site. An ROI of 20 feet was possible at an airflow rate of 9.5 scfm at an injection rate of 4.5 pounds per square inch (psi). Descriptions of the pilot test set-up, methods used and monitoring parameters can be found in the "Draft Feasibility Study Report".

6.2.4 Selected Remedial Technology

Based on the findings of the technology screening, the two technologies appear to cost approximately the same to design and install. However, permitting, operation, and treatment

costs would be higher for the groundwater pump & treat approach. The estimated cleanup time of the groundwater pump & treat system is approximately 10 years and will require water management. The expected cleanup time for the SVE/AS system is 3 to 5 years and will require minimal water management comparatively. Results of the SVE/AS pilot-scale test indicate this is a feasible technology for the site.

Based upon the evaluation of remedial technologies, SVE/AS was selected as the most appropriate technology based on expected operation and maintenance costs and expected duration of cleanup.

6.2.5 Remediation System

The Investigations identified two separate VOC groundwater plumes associated with two separate source areas. These source areas are located in the western and southeastern portions of the Site. VOC groundwater contamination from these two source areas extends southward off the property in the direction of groundwater flow. Various remedial technologies were screened and SVE/AS proved to be the most applicable technology and based on expected operation and maintenance costs and expected duration of cleanup is the selected remedial technology.

Based upon the results the pilot-scale testing, a full-scale SVE/AS design was completed. In addition to the SVE/AS system, a phytoremediation system consisting of hybrid poplar trees was included into the design as a buffer line along the entire southern property line to intercept groundwater as it flows off-Site. Phytoremediation is the use of various plants to remediate environmental media. Phytoremediation has been shown to be effective in remediation of soil, sediment, groundwater, and surface water, and on organic and inorganic contaminants. Phytoremediation applications cleanup contaminated media by degrading, extracting, containing, and/or immobilizing the contaminants.

The full-scale system design described above was then constructed. The SVE/AS portion of the remediation system consists of a total of 44 air sparging and 27 vapor extraction wells, while the Phytoremediation portion of the remediation system is comprised of two rows of hybrid poplar trees lining the entire southern property boundary. A layout of the remediation system can be found on Figure 17 - Remediation System Layout with Utilities.

6.2.5.1 Remediation System Design

The SVE/AS portion of the remediation system was separated into a two western treatment units and one southeastern treatment unit. Each treatment unit is serviced by separate equipment, with the equipment for both of the western treatment units housed in one enclosure/trailer and the equipment for eastern treatment unit housed in a separate enclosure/trailer. The northern unit of the western SVE/AS system is comprised of 7 vapor extraction wells and 10 air sparging wells and the southern unit of the western SVE/AS system is comprised of 10 vapor extraction wells and 19 air sparging wells. The southeastern treatment unit is comprised of 10 vapor extraction wells and 15 air sparging wells.

The number and layout of vapor extraction and air sparging wells for each treatment unit was determined by using the ROI results (28 feet and 20 feet, respectively) from the pilot scale testing and plotting them over the source areas. The placement of the remedial equipment and enclosures was determined by local zoning set backs, site owner requirements and the need to locate them as close as possible to the wells. Piping from these wells to their respective remedial equipment and enclosures are then plotted making sure to minimize piping needs. Using this layout and the results of the pilot scale testing, piping and equipment sizing calculations were prepared for each treatment area. Pressure losses for various vapor extraction pipe sizes were calculated using the total expected airflow, piping friction losses and pipe lengths. The most appropriate pipe size was then chosen and the vapor extraction blowers and air compressors were sized based upon acceptable piping losses just calculated and the required vacuum or pressure determined from the pilot scale testing results. A copy of the design calculations can be found as Attachment 14.

The Phytoremediation portion of the remediation system is comprised of two staggered rows of hybrid poplar trees, on 5-foot centers, lining the entire southern property boundary. Spacing between the rows is a minimum of 8 to 10 feet. An irrigation system, designed by the selected irrigation installation company, runs the entire tree line. Copies of the phytoremediation papers used for design purposes can be found as Attachment 15.

A Construction Manual along with Construction Manual Drawings were developed based upon the proposed SVE/AS and Phytoremediation systems layout and associated design calculations. The Construction Manual details the contract terms/bidding requirements, general requirements,

site work, concrete work, mechanical work, electrical work and permitting. The Construction Manual Drawings includes a Yard Plan, Trench Section Details, Well and Wellhead Details and Resurface & Equipment Pad Details. A copy of the Construction Manual and Construction Manual Drawings can be found as Attachment 16.

The design of the soil vapor extraction and air sparging wells is based upon standard practice and Site constraints. For the vapor extraction wells, the middle third of the screen for these wells must be set near the normal water table level of approximately 11-13 feet below ground surface (bgs). Water table elevation data can be found in Tables 1-3. Therefore, the soil vapor extraction wells were screened from 5 to 15 feet bgs. For the air sparging wells, the maximum depths were based upon the depth to the clay layer underlying the saturated, sand soils in which the impacted groundwater to be remediated resides. In the northwestern portion of the western source area, the clay layer begins at approximately 30 feet bgs and in the southwestern portion of the western source area, the clay begins at approximately 20 feet bgs. The clay begins at approximately 25 feet bgs in the southeastern source area. Therefore, the air sparging wells were installed down to the clay layer depths as described above. Geologic cross-section data can be found on Figures 8 – 8h.

The Remedial Equipment and Enclosure Specifications were also developed based upon the proposed SVE/AS system layout and associated design calculations. The Remedial Equipment and Enclosure Specifications detail contract terms/bidding requirements, general requirements, site-specific information, operational and performance standards, power and code requirements, permitting and bid checklist. The specifications also include a copy of the Construction Manual Drawings and a Remedial System Process Flow Diagram. A copy of the Remedial Equipment and Enclosure Specifications (w/o Construction Manual Drawings) can be found as Attachment 17.

6.2.5.2 Remediation System Permitting and Disposal

There are no Federal or State permits required for the installation and implementation of the remediation system except for the State of Indiana Industrialized Building Design Release for the enclosures housing the remedial equipment. Various City of Indianapolis permits are required, they include an Improvement Location, Stormwater, Right of Way Cut, and Water Connection.

Permitting was delegated to the selected construction and electrical contractors and equipment vendor in accordance with the documents discussed in Section 6.2.5.1.

The only waste to be generated at the Site is condensate water from the knock-out tanks associated with each of vapor extraction blowers. A 400-gallon poly tank is used to store these liquids and Liquid Waste Removal, Inc. of Indianapolis, Indiana has been contracted to remove and haul the condensate water for treatment/disposal at Perma-Fix located in Dayton, Ohio.

6.2.5.3 Remediation System Implementation

The remediation system was constructed in phases in accordance with the design, documents and drawings discussed in Section 6.2.5.1. The installation of the soil vapor extraction wells and subsurface piping in the western source area of the Site began in May of 2000. Due to Site owner issues, construction was halted. In September of 2000 the installation of the phytoremediation portion of the remediation system and the remainder of the soil vapor extraction wells and subsurface piping was completed. The installation of the air sparging points was completed in November and December of 2000. The remedial equipment was constructed and then delivered to the Site in March of 2001. Due to the excavation work conducted in the western portion of the Site in April through May and July of 2001, as discussed in Section 6.1, final connections to the equipment including electrical and telephone were not completed until July of 2001. On July 13, 2001, the SVE/AS portion of the remediation system was initiated.

A layout of the remediation system can be found on Figure 17 - Remediation System Layout with Utilities. Copies of the soil vapor extraction and air sparging boring and well construction logs can be found as Attachment 18. A copy of the NEPCCO – Groundwater Remediation System O&M Manual which contains Engineering drawings, component lists, start-up procedures and operation and maintenance manuals for each major piece of equipment can be found as Attachment 19.

6.3 VOC AND LEAD SOIL "HOT SPOT" REMEDIATION

As previously discussed, an area of VOC and Lead impacted soil in the unsaturated zone was found during the installation and sampling of KB-33. Further investigation work was then conducted in this "hot spot" area to delineate it by the installation and sampling of soil borings KB-40 through KB-49. See Section 2.2.2 for complete details of the "hot spot" investigation.

Based upon the delineation activities of the "hot spot", a VOC impacted soil area approximately 30 feet in diameter by 5-6 feet thick and a lead impacted soil area approximately 10 feet in diameter by 5-6 feet thick are present near the west central property boundary. This equates to an approximate total of 200 tons of VOC and 20 tons of VOC and lead impacted "hot spot" soils. These "hot spot" areas are depicted on Figure 18 – Proposed Modification to the Remediation System Layout.

6.3.1 Remediation Screening Alternatives

Reduction and/or removal of TCE impacted soil concentrations to below VRP Tier II Non-Residential Closure Goals and removal of Lead impacted soil concentrations to below these same Closure Goals is proposed in the "hot spot" area to reduce potential risk to human health and the environment. A preliminary evaluation of remedial alternatives for source reduction and removal resulted in selection of the following remedial technologies for further evaluation. A brief description of each technology and an evaluation of its applicability/feasibility for the subject site are provided in the following sections.

- Soil Vapor Extraction (SVE), and
- Excavation and Off-site Disposal

6.3.1.1 Soil Vapor Extraction

SVE is a process of removing volatile contaminants from the subsurface by using a vacuum to create airflow through the subsurface soil. SVE is not an option to remediate lead impacted soils. The continual flow of air results in volatilization of contaminants either from adsorbed phase or free phase and ultimate removal by the vacuum system. The effectiveness of vapor extraction is limited by the volatility of the contaminants and the air permeability of the soil. Clay-rich soils typically have low air permeability and are not good candidates for SVE unless it

is enhanced by soil heating. Sandy soils such as those present beneath and in the fill materials near the "hot spot" area are well suited for SVE.

This technology has been widely used and is well accepted for unsaturated zone treatment. However, it may require treatment of extracted vapors to eliminate issues of discharge of potential pollutants to the atmosphere.

6.3.1.2 Excavation and Off-Site Disposal

Excavation and disposal of the impacted soils is a common and accepted remedial alternative. However, there are several issues and limitations to consider for this site. These include future liability as a potentially responsibly party (PRP) at the hazardous waste disposal facility, logistics and safety concerns related to excavation of hazardous materials. Based on the analytical results from past and current investigations, the "hot spot" soil if excavated would be a hazardous waste.

6.3.2 Selected Remedial Technology

The use of SVE will only remediate VOC contaminants found in the "hot spot" area. Soils impacted with the current VOC concentrations would require incineration prior to disposal, based upon current waste characterization results found in Attachment 9 and discussions with disposal facilities. The cost of disposal would be approximately $500 per ton. However, if the VOC concentrations can be reduced to levels where the lead can be treated, the disposal cost would be reduced to approximately $200 per ton. These figures do not include excavation and oversight costs.

Treatment of the VOC and Lead impacted "hot spot' soils will be completed by using a combination of SVE to treat the VOC impacted soils and subsequent Excavation/Disposal of Lead impacted soils. The TCE treatment area as depicted on the Figure 18, will be remediated to concentrations below the VRP Tier II Non-Residential Closure Goals by the use of the existing SVE portion of the remediation system. Once the VOC soil concentrations are below the Closure Goals, as determined by soil sampling and analysis, the lead impacted soils will be excavated and disposed of. The lead removal area is also depicted on Figure 18.

6.3.3 Remediation System

The current SVE portion of the remediation system in the western source area will be used to remediate VOC impacted soils in the "hot spot" area. Five (5) nested vapor extraction wells, with a conservative assumed radius of influence of 10 feet, as depicted on Figure 18 will be installed and connected to an SVE blower in the western trailer. Construction drawings and specifications will be developed to solicit contractor bids to install the proposed remediation system upgrade. The new nested well pairs will be added to the normal O&M activities conducted on the remediation system.

Annual soil sampling will be completed to monitor the progress of remediation in the VOC impacted soil "hot spot" area. Two borings will be advanced in random locations within the source area. The soil will be screened in the field and at least one sample from each boring will be analyzed for VOC.

Following the reduction of VOC concentration to at or below the VRP Tier II Non-Residential Closure Goals, then the excavation, treatment and proper disposal of the lead impacted soil "hot spot" area will be specified, bid out and completed.

6.4 MONITORING/CONFIRMATION SAMPLING PLAN

6.4.1 Remediation System Monitoring Plan

The goal is to assure continued operation of the remediation system and to maintain it such that it operates in the most efficient manner possible. Remediation system monitoring results will be documented in quarterly reports as discussed in Section 6.5.

6.4.1.1 SVE/AS Portion

Weekly Site visits will be made to monitor remediation system operation, to collect system performance indicators and to conduct routine maintenance. Monthly effluent vapor samples will be collected from each soil vapor extraction blower and sent in for laboratory analysis for VOC. An additional effluent vapor sample from each soil vapor extraction blower will be collected and analyzed for permanent gases on a quarterly basis. Annually two random soil borings will be advanced in the VOC and lead impacted soil "hot spot" area for the collection of

soil samples to be analyzed for VOC. See Section 7.0 Operation and Maintenance Plan and the Quality Assurance Project Plan found as Attachment 10 for complete details.

6.4.1.2 Phytoremediation

Monthly inspections will be conducted during the growing season and quarterly inspections will be conducted throughout the dormant period of each year. The growing season for the Site is estimated to be from April through October. If any trees show signs of distress, disease, or other abnormalities, remedial steps will be taken.

Leaf tissue and transpiration gas sampling and analysis will be completed from three randomly selected trees in June and September to coincide with the early and late stages of the growing season. The samples will be submitted for laboratory analysis for VOC. The results of the tissue and gas sampling and analysis will be used to evaluate the physical and chemical mechanisms at work in the remediation system, the potential for risk to ecological receptors from exposure to COC-containing plant tissues, and potential COC concentrations released to ambient air in the remediation area. See Section 7.0 Operation and Maintenance Plan for complete details.

6.4.1.3 Selective On-Site Groundwater Monitoring

On-Site groundwater monitoring will be completed from the following six (6) existing monitoring wells, MW-10-1, 132, 147, 148, 150 and 153. Monitoring will be performed on a quarterly basis beginning one month following the approval of the RWP by the IDEM. Samples will be analyzed in the field for pH, dissolved oxygen, temperature and redox potential. Samples collected for laboratory analysis will be analyzed for VOC at DQO Level II. See the Quality Assurance Project Plan found as Attachment 10 for complete details. The analytical results from the quarterly groundwater sampling from these six (6) wells will aid in the evaluation of remedial progress being made by the remediation system. See Figure 19 – Proposed Groundwater Monitoring Plan for locations of monitoring wells.

If the analytical results in all six (6) monitoring wells from four (4) consecutive quarterly groundwater sampling events displays asymtotic behavior near or drops below the IDEM VRP Tier II Non-Residential Closure Goals for VOC, the remediation system will be shut down and selective monitoring will end.

6.4.2 On-Site Groundwater Monitoring Plan

On-Site groundwater monitoring will be completed from the following ten (10) existing monitoring wells, MW-10-1, 132, 135, 145, 146, 148, 150, 152, 153 and 154. Monitoring will be performed on an annual basis beginning one month following the approval of the RWP by the IDEM. Samples will be analyzed in the field for pH, dissolved oxygen, temperature and redox potential. Samples collected for laboratory analysis will be analyzed for VOC, PAH, Cadmium, Chromium and Lead at DQO Level II. See the Quality Assurance Project Plan found as Attachment 10 for complete details. On-Site groundwater monitoring results will be documented in quarterly reports as discussed in Section 6.5. See Figure 19 – Proposed Groundwater Monitoring Plan for locations of monitoring wells.

Once the remediation system has been shut down as discussed in Section 6.4.1.3, sampling will change from annual to quarterly and samples will be analyzed at a DQO Level IV for groundwater confirmation purposes. Once the analytical results in all ten (10) monitoring wells from four (4) consecutive quarterly groundwater sampling events displays asymtotic behavior near or drops below the IDEM VRP Tier II Non-Residential Closure Goals for VOC, PAH, Cadmium, Chromium and Lead, on-Site remedial objectives will be attained and the IDEM will be petitioned for on-Site closure.

6.4.3 Plume Stability Groundwater Monitoring Plan

Plume stability groundwater monitoring will be completed from the following sixteen (16) existing monitoring wells MW-10-1, 132, 146, 148, 150, 151, 152, 153, 156, 157, 160, 161, 164, 165S, 166S, and 167S, monitoring well pairs 168S&D, 169S&D, 170S&D, 171S&D and 172S&D will not be monitored due to the presence of off-site source(s) that would affect the evaluation of plume stability. Wells MW-165D, MW-166D, and MW-167D will also not be monitored for this reason. Monitoring will be performed on a quarterly basis beginning one month following the approval of the RWP by the IDEM. Samples will be analyzed in the field for pH, dissolved oxygen, temperature and redox potential. Samples collected for laboratory analysis will be analyzed for VOC at DQO Level IV. See the Quality Assurance Project Plan found as Attachment 10 for complete details. Plume stability groundwater monitoring results will be documented in quarterly reports as discussed in Section 6.5. See Figure 19 – Proposed Groundwater Monitoring Plan for locations of monitoring wells.

Once plume stability is achieved and the analytical results in all twenty-nine (29) monitoring wells display asymtotic behavior near or drop below the IDEM VRP Tier II Residential Closure Goals for VOC, off-Site remedial objectives will be attained and the IDEM will be petitioned for off-Site closure.

6.5 DATA MANAGEMENT

A combined Operation & Maintenance (O&M) and Groundwater Monitoring Report will be prepared to document the operation, maintenance and monitoring of the remediation system and any groundwater monitoring performed on a quarterly basis.

The remediation system portion of the quarterly reports will include a summary of SVE/AS operation and maintenance over the quarter, the results of any vapor sampling data, estimates for VOC mass removal, Phytoremediation operation, maintenance and monitoring, results of annual VOC and Lead soil hot spot sampling and any other information pertinent to the remediation project. See Section 7.0 Operation and Maintenance Plan for complete details of data to be collected.

The groundwater monitoring portion of the quarterly reports will include a description of the monitoring and sampling procedures, deviations from the standard procedures, if any, tables and figures documenting the analytical results and groundwater elevation/flow, discussion of the results, and recommendations for any changes for future monitoring events. See the Quality Assurance Project Plan found as Attachment 10 for complete details of data to be collected.

7.0 OPERATION AND MAINTENANCE PLAN

The goal is to assure continued operation of the remediation system and to maintain it such that it operates in the most efficient manner possible. A copy of the NEPCCO – Groundwater Remediation System O&M Manual which contains Engineering drawings, component lists, start-up procedures and operation and maintenance manuals for each major piece of equipment can be found as Attachment 19.

7.1 NORMAL OPERATION & MAINTENANCE

Various logs and forms have been developed to document operation, maintenance and monitoring of the remediation system. Copies of these logs and forms can be found in Attachment 20.

7.1.1 Operation and Monitoring Tasks and Schedule

The following tasks will be conducted during O&M visits:

- Weekly SVE operational measurements,
- Weekly AS operational measurements,
- Monthly collection of effluent vapor samples for VOC analysis,
- Quarterly collection of effluent vapor samples for permanent gases analysis,
- Quarterly applied and induced vacuum and pressures observed in vapor extraction wells, air sparging points and monitoring points within and around the treatment area,
- Quarterly readjustment of the applied vacuum and pressures at the vapor extraction and air sparging wells, if needed to maximize efficiency,
- Quarterly collection of groundwater samples for field parameter and VOC analysis from monitoring wells, MW-10-1, 132, 147, 148, 150 and 153,
- Annual collection of soil samples for field parameter and VOC analysis at two random locations within the treatment area.

See the Quality Assurance Project Plan found as Attachment 10 for complete details on the quarterly groundwater and annual soil monitoring events.

In addition, leaf tissue and transpiration gas sampling and analysis will be completed from three randomly selected trees in June and September to coincide with the early and late stages of the growing season. The gases being transpired will be sampled using a Tedlar® bag and a summa canister. The bag will be placed around a section of branch, sealed to the branch on one end, and sealed to the summa canister on the opposite end. The transpired gases will be collected for a maximum of 24 hours and then submitted for laboratory analysis for VOC.

7.1.2 Maintenance Tasks and Inspection Schedule

7.1.2.1 Phytoremediation

Monthly inspections will be conducted during the growing season and quarterly inspections will be conducted throughout the dormant period of each year. The growing season for the Site is estimated to be from April through October. If any trees show signs of distress, disease, or other abnormalities, remedial steps will be taken which may include, but are not necessarily limited to: tree replacement, mulching, pest control, fertilizing, pruning, watering, and reseeding. Irrigation will also be conducted, as needed, based on the findings of the inspections.

In accordance with the agreement between Genuine Parts Company and IPL, the following will be completed for the phytoremediation system within the IPL easement in the southwestern portion of the Site:

- The maximum height of the poplar trees will be maintained to below 15 feet. If at any time this height is exceeded, the particular tree(s) will be trimmed.
- The poplar trees will be cut down in the spring of 2004 to within 2 feet of the ground surface and thereafter every three (3) years.
- The poplar trees on the IPL easement will be removed upon the completion of the project.
- If IPL has to contact KERAMIDA to maintain the poplar trees more than once, then IPL has the right to cut down the poplar trees.

7.1.2.2 Other

Task/Instrumentation	Frequency
Valves/fittings – check for damage including cracks and leaks	Monthly
Gauges – check for damage and re-zero	Monthly
Indicator / alarm lights – check for and replace burnt bulbs	Monthly
Separator – check for sediments, damage, and clean as necessary	Monthly
Air filters – check filter condition and clean / change as needed.	Monthly
SVE blower – check line voltage, motor amps & grease fittings	Weekly
SVE blower – drain and replace oil	Every 1,000 hours
Air Compressors – check line voltage & motor amps	Weekly
Air Compressors –replace oil filter	Every 1,500 hours
Air Compressors – drain and replace oil	Every 4,000 hours

7.1.3 Optimum Operating Conditions

EASTERN SYSTEM

Parameter	Operating Condition
Soil Vapor Extraction Wells	10-15-inches of H_2O vacuum/well 25-foot Radius of Influence
Soil Vapor Extraction Blower	35-40-inches of H_2O vacuum @ inlet (60-inches of H_2O vacuum @ blower) 200-250 CFM of influent air flow
AS Wells	5psi @ 5 CFM 20-foot Radius of Influence
Air Compressor	100psi @ outlet (25-30psi @ regulator) 75 CFM of effluent air flow @ outlet

NORTHWESTERN SYSTEM

Parameter	Operating Condition
Soil Vapor Extraction Wells	20-25-inches of H_2O vacuum/well 25-foot Radius of Influence
Soil Vapor Extraction Blower	30-35-inches of H_2O vacuum @ inlet (80-inches of H_2O vacuum @ blower) 200-250 CFM of influent air flow
AS Wells	5psi @ 5 CFM 20-foot Radius of Influence
Air Compressor	100psi @ outlet (25-30psi @ regulator) 75 CFM of effluent air flow @ outlet

SOUTHWESTERN SYSTEM

Parameter	Operating Condition
Soil Vapor Extraction Wells	15-20-inches of H_2O vacuum/well 25-foot Radius of Influence
Soil Vapor Extraction Blower	35-40-inches of H_2O vacuum @ inlet (80-inches of H_2O vacuum @ blower) 200-250 CFM of influent air flow
AS Wells	5psi @ 5 CFM 20-foot Radius of Influence
Air Compressor	100psi @ outlet (25-30psi @ regulator) 75 CFM of effluent air flow @ outlet

7.1.4 Waste Management

During normal O&M activities certain liquid wastes will be generated. Liquid wastes will be generated by the draining of condensate from the vapor extraction blower knock-outs and during groundwater sampling. A 400-gallon poly tank will be used to store these liquids and Liquid Waste Removal, Inc. of Indianapolis, Indiana has been contracted to remove and haul the condensate and groundwater generated for treatmcnt/disposal at Perma-Fix located in Dayton, Ohio per applicable Federal, State, and Local regulations.

7.1.5 Health & Safcty

All work will be completed in accordance with the site-specific "Health & Safety Plan". A copy of this plan is located at the site and can be found as Attachment 11

7.2 POTENTIAL OPERATING PROBLEMS

Most typical operational problems arise from devices such as air/water separators (knock-outs), blowers, air compressors and air particulate filters. The following sections discuss these and other sources for potential operational problems, and common fixes for these problems.

7.2.1 Potential Sources of Operational Problems

- Air/water separators separate water and soil vapors from each other. Sediments often accumulate on the bottoms of the separators as the water is waiting for transfer. This can clog the discharge line from the separator backing up water and causing a high water alarm, which shuts down the system.
- Motor starters for blowers and air compressors can burn out, or trip due to thermal overload (high amperage), and/or high temperature.
- Blower and air compressors can lose lubrication causing undue wear to the motors.
- Indicator and alarm light bulbs can burn out.

7.2.2 Common Remedies of Operational Problems

The actual sources of problems and failures associated with the remediation system can and will be identified during scheduled maintenance and inspection tasks.

- Air/Water Separators will be inspected monthly and cleaned as required to stop the accumulation of sediments on the bottoms of the separators.
- Blower and air compressor voltages, motor amperages and temperatures will be checked weekly to make sure these motors are operating within motor nameplate values.
- Blower motors will be lubricated with grease weekly and their oil changed every 1,000 hours.
- Air compressor motor oil will be changed every 4,000 hours.
- Air particulate filters for the blowers and air compressors will be inspected monthly and cleaned as required.
- Indicator and alarm lights will be checked (push-to-test type) monthly and burnt lights will be replaced as required.

7.3 CONTINGENCY OPERATION & MAINTENANCE PLAN

A contingency O&M Plan has been prepared and may be implemented, if necessary, to minimize system down time due to any sudden or non-sudden breakdown of the remedial equipment or the treatment process.

7.3.1 Alternative Operational Procedures

None; the remediation systems will automatically shut down or will be manually shut down if discharge limits are exceeded.

7.3.2 Notification Procedures

The following procedures will be followed in case of system operational problems.

- Any system operational problems will be first reported to the project manager via the telephone.
- Once the project manager has been notified, the reporting technician and project manager will discuss the specific problems and possible remedies. The problems will be fixed while on-site by the technician, if possible.
- The O&M Log and Maintenance Sheets found in Attachment 20, will be used to document problems, any work performed to fix the problems, or possible actions needed to fix them during the next visit.

- If problems cannot be fixed by technician while on-site, the project manager will procure the needed materials to remedy the problems, and schedule the next site visit as soon as possible.
- Problems that result in system(s) down time greater than one week will be reported to Genuine Parts Company. And any problems that result in the need for system modifications for the treatment process will be reported to Genuine Parts Company and to the IDEM VRP Representative. See Section 7.3.3 for Remediation System Modification Procedures.

7.3.3 Remediation System Modification Procedures

The following procedures will be followed prior to the start of any remediation system modifications to the treatment process. Remediation system modifications include any and all additions and/or deletions of treatment equipment.

- System modification needs will be reported to Genuine Parts Company.
- A proposal including reasoning for any remediation system modifications and associated costs will be prepared and submitted to Genuine Parts Company.
- Once the proposal is reviewed and any comments are discussed and incorporated, a letter will be prepared and submitted to the IDEM VRP Representative discussing the need for any remediation system modifications.
- Once the IDEM VRP Representative has reviewed the letter and any comments are discussed by both IDEM and Genuine Parts Company, any comments will be incorporated, as appropriate, and remediation system modifications will begin.

8.0 COMMUNITY RELATIONS

This section presents Genuine Part's plan for keeping the IDEM and the general public informed regarding the remedial work at the Former General Motors Corporation Allison Gas Turbine Division Plant 10. The plan provides a basis for communicating the appropriate information to the IDEM and the public.

8.1 AFFECTED PROPERTY OWNERS

Findings of investigations completed at the Site indicate the presence of VOC in groundwater off-site to the southeast and south across Little Eagle Creek. A list of addresses where VOC have been identified in groundwater is presented below. VOC occurrence in groundwater

southeast of the Site is markedly different than that detected to the south. To the southeast, VOC occurrence is limited in the upper sand unit and TCE is a major contaminant. South of Little Eagle Creek, TCE is absent from the groundwater and detected VOC concentrations are greatest in the deep zone of the upper sand unit. The characteristics of dissolved VOC occurrence in this area differ greatly from the eastern source area of the Site and indicate the presence of an off-site source or sources. Soil data collected during the investigations also confirms the presence of an off-site source(s) off-site to the south.

A potable water supply well is present at 709 Olin Avenue. Probable potable water supply wells are also located southeast of the Site at 601 and 605 Luett Avenue and south of the Site at 3908 and 3910 Cossell Road. All five of the locations are residential properties. Water well construction records were only publicly available for the two wells present on Cossell Road. The wells have intake screen intervals at approximately 45 to 50 feet bgs. This depth coincides with the deep zone of the upper sand unit.

Groundwater analytical data indicate that detectable VOC concentrations are likely present in the deep zone of the sand unit in the area of the water supply wells located on Cossell Road. As previously discussed, VOC present in the deep zone off-site to the south appear to be from a source or sources not related to the Site. Groundwater data also indicate that detectable VOC concentrations may be present in the upper sand unit in the area of the probable water supply wells located on Luett Avenue. If present, the construction of these wells is not known. Based on data collected from deep monitoring wells located on-site and southeast of the Site, VOC occurrence is limited to shallow groundwater in this area. Groundwater data collected by KERAMIDA, as well as water supply well data collected by the Marion County Health Department, indicate the known supply well located at 709 Olin Avenue is not impacted by VOC.

All properties indicated on the list below should be notified that VOC contaminated groundwater may be present beneath their properties. They should be informed of the findings of the Risk Assessment and counseled on the potential implications of the contamination. The presence, construction, and use of the possible water supply wells identified on Leutt Avenue and Cossell Road should be confirmed with the property owners. Findings of the discussion with the property owners should be used to evaluate the need to sample these wells, if present.

The project manager of the subject site for the Genuine Parts Company is Bob Lewis, located at 2999 Circle 75, Parkway Atlanta, Georgia 30339

601 Olin Avenue	717 Olin Avenue	654 Luett Avenue
609 Olin Avenue	721 Olin Avenue	702 Luett Avenue
611 Olin Avenue	602 Luett Avenue	700 Luett Avenue
623 Olin Avenue	606 Luett Avenue	708 Luett Avenue
621 Olin Avenue	612 Luett Avenue	712 Luett Avenue
625 Olin Avenue	614 Luett Avenue	716 Luett Avenue
627 Olin Avenue	618 Luett Avenue	722 Luett Avenue
629 Olin Avenue	620 Luett Avenue	3910 Cossell Rd.
637 Olin Avenue	628 Luett Avenue	3908 Cossell Rd.
639 Olin Avenue	630 Luett Avenue	3839 Michigan St.
701 Olin Avenue	636 Luett Avenue	3835 Michigan St.
707 Olin Avenue	642 Luett Avenue	3817 Michigan St.
709 Olin Avenue	646 Luett Avenue	3811 Michigan St.
715 Olin Avenue	650 Luett Avenue	3800 Michigan St.

8.2 COMMUNITY ORGANIZATIONS

Community organizations were not located within the area search.

8.3 SAMPLE NOTICE

A notice similar to the following will be mailed via certified mail to the above-referenced property owners, organizations and institutions.

This notice is being provided to inform you of the presence of a site in your neighborhood that has been accepted into Indiana Department of Environmental Management's (IDEM) Voluntary Remediation Program. This notice is a requirement of a Community Relations Plan that has been developed by the Applicant and is a component of the Remediation Work Plan for the Site that is available for review at the repository listed below. The Community Relations Plan includes provisions for notifying all neighboring property owners and occupants, neighborhood organizations and other local entities. In addition, the Community Relations Plan may require the applicant to post an informational sign at the subject property. For additional information

about the Community Relations Plan and the Remediation Work Plan, please review the documents in the repository or contact the IDEM Project Manager at (317) 234-0971.

The proposed project entails the remediation of volatile organic compounds (VOC) and lead in soil and VOC in groundwater at the former General Motors Corporation, Allison Gas Turbine Division, Plant 10 Facility. The sources of the VOC and lead have been removed. The remediation will primarily focus on the treatment of residual VOC in soil and groundwater using soil vapor extraction and air sparging technologies. A lead "hot spot" in soil will be excavated and removed from the site. Phytoremediation will be conducted along the downgradient property boundary to further mitigate dissolved contaminant occurrence.

The IDEM will accept public comments regarding the Remediation Work Plan for a period of 30 days after the mailing of this notice. Comments are to be provided in writing and must be received by the IDEM Project Manager prior to the end of the 30 day period. Comments should be sent to:

William Wieringa
VRP Project #6991004
Indiana Department of Environmental Management
Office of Land Quality
P.O. Box 6015
Indianapolis, Indiana 46202-6015

A copy of the Remediation Work Plan is available for public review at the Indianapolis Marion County Library, at the Haughville Branch, located at 3815 West Michigan Street, Indianapolis, IN 46222.

8.4 LOCAL GOVERNMENT UNITS

The only governmental units within 1 mile are the City of Indianapolis and the Marion County. The IDEM will be responsible for providing notifications to these entities.

City of Indianapolis, Mayor Bart Peterson, 2501 City-County Building, 200 E. Washington Street, Indianapolis, Indiana 46204

Marion County Health Department, Rosemarie Neimeyer Hansell, Environmental Health Specialist, 3838 North Rural St., Suite 520, Indianapolis, IN 46205

8.5 LOCAL NEWSPAPERS

The local newspaper in the area is the Indianapolis Star, 307 N. Pennsylvania St., Indianapolis, IN 46204.

8.6 PUBLIC REPOSITORY

The public repository selected for public display of the Remediation Work Plan is the Indianapolis Marion County Library, at the Haughville Branch, located at 3815 West Michigan Street, Indianapolis, IN 46222..

- The VRP applicant will make a reasonable effort to notify all potentially affected parties via certified mail.

9.0 COMPLETION OF REMEDIAL ACTION

A Completion Report detailing the remediation system and confirmation sampling will be submitted upon completion of the remediation to the cleanup criteria. Future use of the site will is expected to remain as a Non-Residential property.

A Completion Report detailing plume stability monitoring will be submitted upon completion of the remediation to the cleanup criteria.

10.0 SCHEDULE

The schedule for the project generally consists of continued O&M and VOC impacted soil "hot spot" upgrade of the remediation system, annual VOC impacted soil "hot spot" monitoring, lead impacted soil "hot spot" excavation and disposal, quarterly selective and annual/quarterly confirmation on-Site groundwater monitoring and quarterly plume stability groundwater monitoring. The projected work schedule is described in general terms below. A detailed schedule is provided on Figure 20.

It is estimated that the groundwater in the source area will be remediated to the proposed Closure Goals in 3 to 4 years and that the VOC impacted soil "hot spot' area in 2 to 3 years. The remediation system upgrade work should be completed in one month. Annual VOC impacted soil "hot spot" soil monitoring will last 2 to 3 years with the excavation and disposal of lead impacted soil "hot spot" to immediately follow. Excavation and disposal work will take approximately one week to complete. Quarterly selective and annual on-Site groundwater monitoring will take place over 3 to 4 years. Once quarterly selective on-Site groundwater sampling ends when the remediation system is shut down as described in Section 6.4.1.3, annual on-Site groundwater monitoring will be conducted quarterly for confirmation purposes. Quarterly plume stability groundwater monitoring will take place over 7 years.

The resulting schedule indicates that the estimated time for achieving closure for the site is just over seven years.

11.0 COST ESTIMATE

Total costs to date are approximately $2,000,000. This total includes investigation and groundwater sampling events, geophysical surveys, buried waste debris excavation, transportation and disposal activities, remediation system installation, start-up and one year of O&M, Phase II Reporting, VRP Application, and this RWP. Remaining remediation and monitoring costs as described in Section 10.0 are approximately $950,000.

12.0 USE OF REPORT

This report has been prepared for the exclusive use of the Client and persons or organizations to which the Client wishes to make this report available. This report and the findings, conclusions and recommendations contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, or used by or relied upon by any other party, without the prior written consent of KERAMIDA.

13.0 LIMITATIONS

This RWP was prepared in accordance with KERAMIDA contractual guidelines set for subsurface investigations. KERAMIDA's professional opinions contained herein are based upon the sampling conducted by KERAMIDA personnel during the subsurface investigation. No other warranty is given or implied by this report.

14.0 REFERENCES

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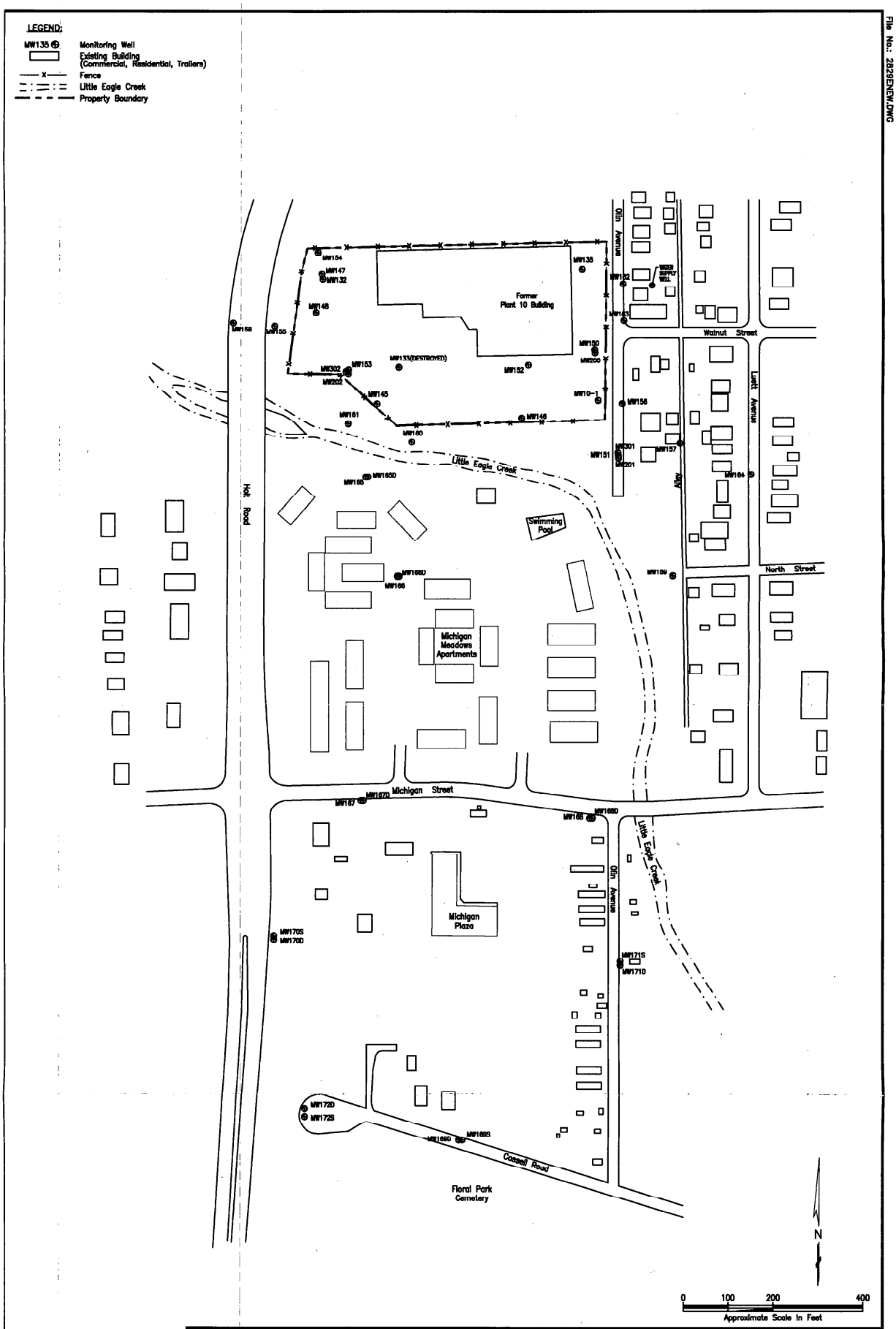
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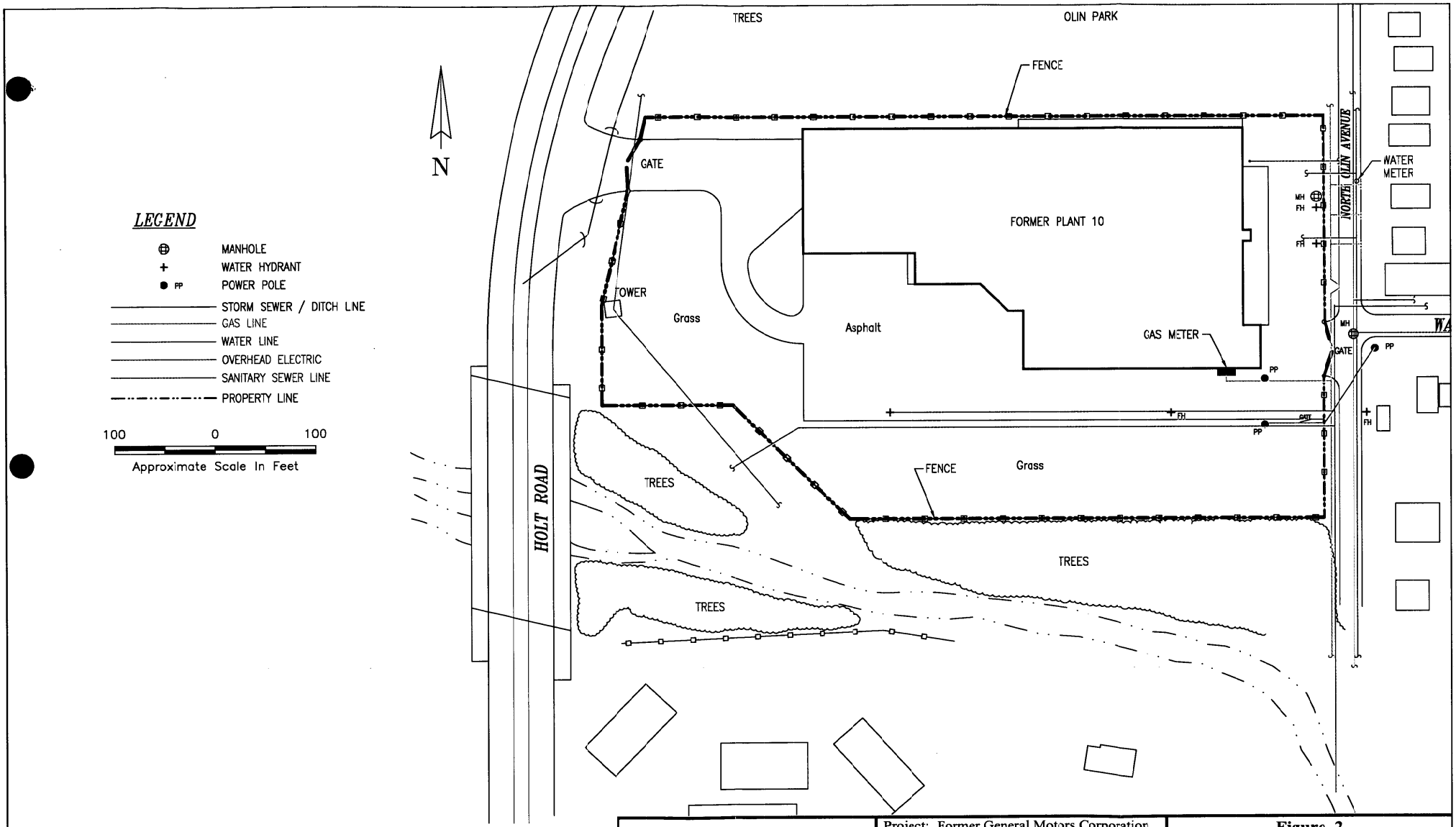
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File No.: 2829ENEM.DWG



KERAMIDA ENVIRONMENTAL, INC. ENGINEERING-CONSULTING-REMEDIATION	Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	**Figure 1** Monitoring Well Location Map
	Scale: 1" = 200'± / Project Number: 2829	
	Date: Sept. 25, 2002 / Prepared By: SmT	
	Approved By: R. S. Fedorchak, P.E.	



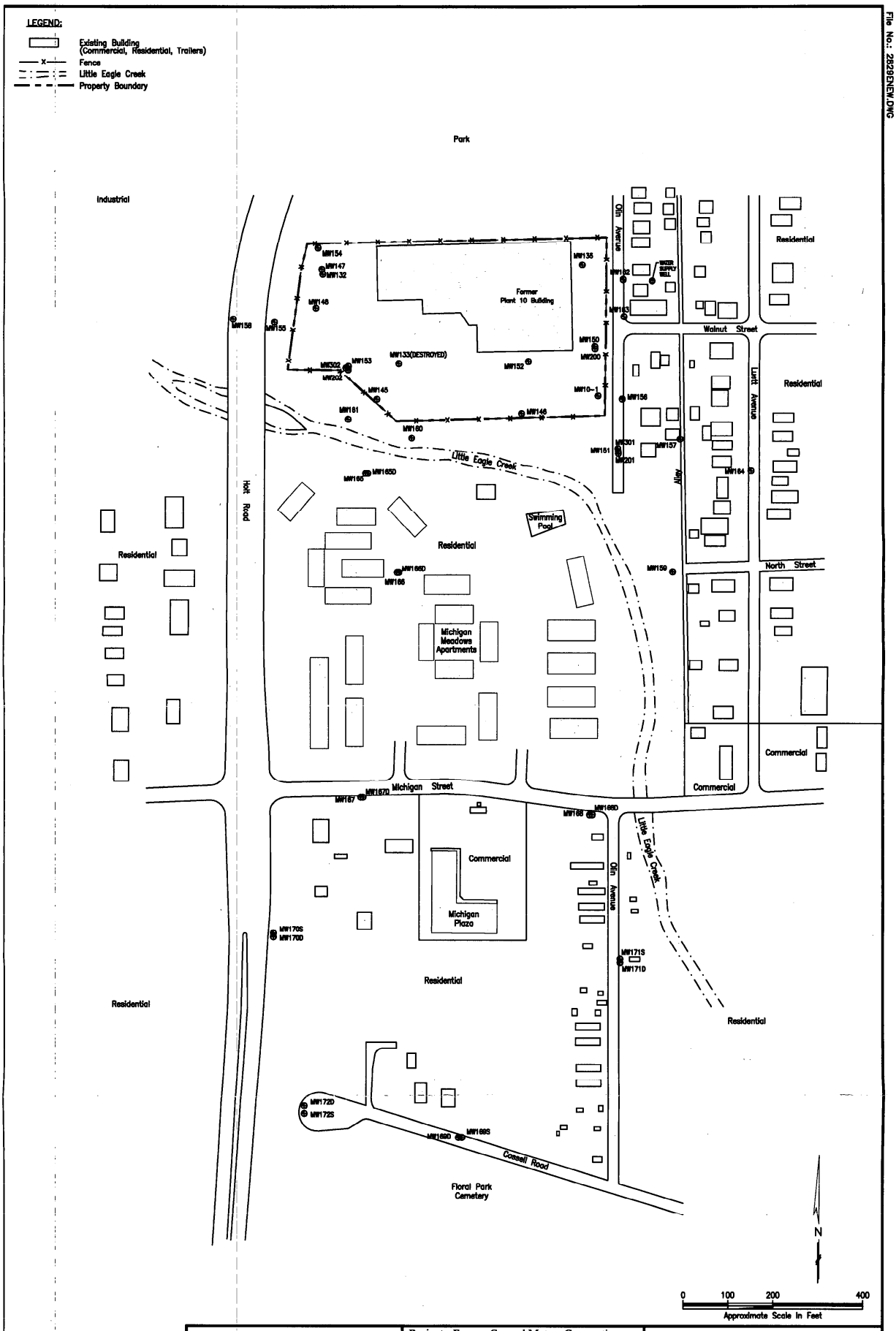
KERAMIDA ENVIRONMENTAL, INC.

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 100'	Prepared By: MHJ
Project Number: 2829E	Approved By: FDW
Date: October 1, 2002	

Figure 2

Site Map

File No.: 2829ENEW.DWG

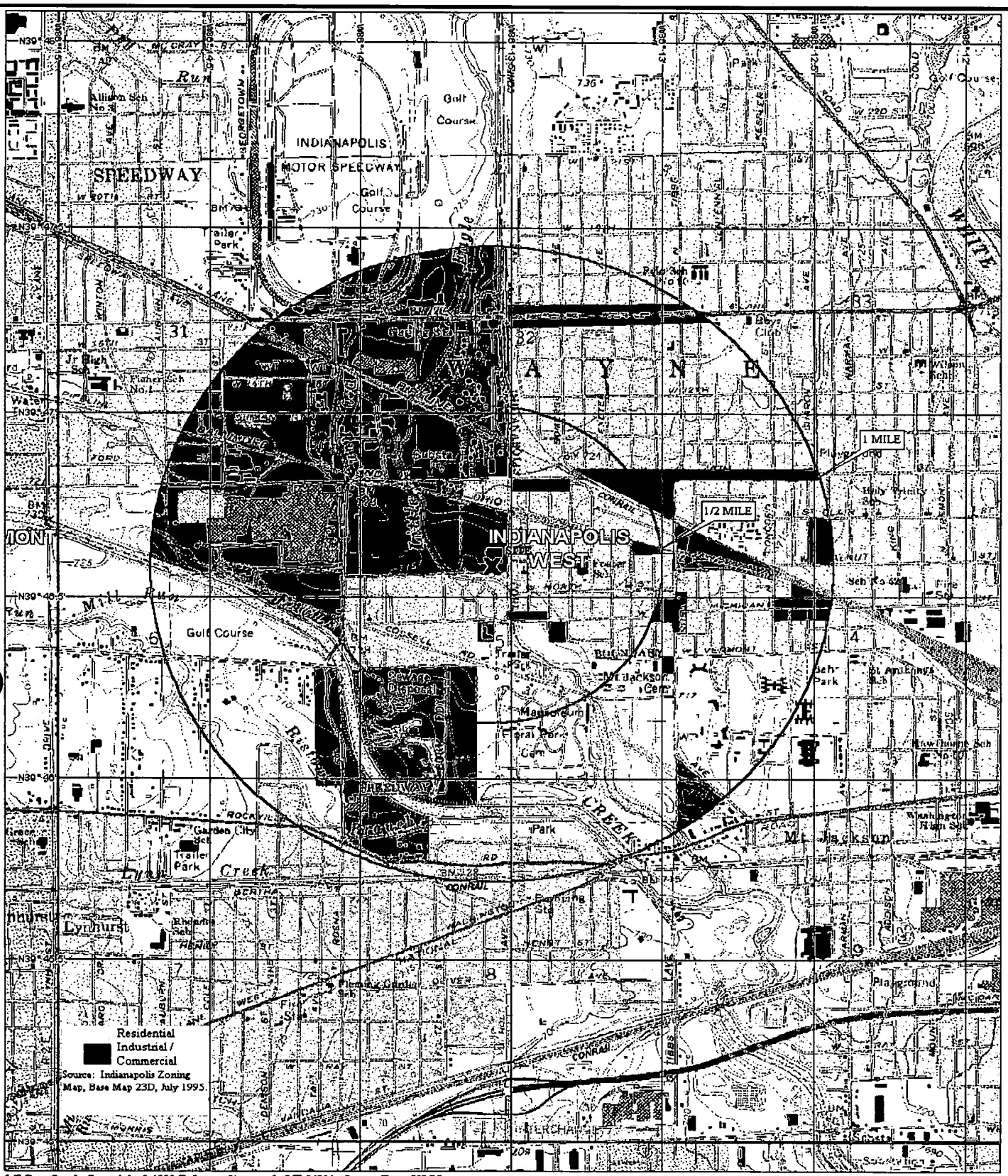


KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 3

Expanded Site Map



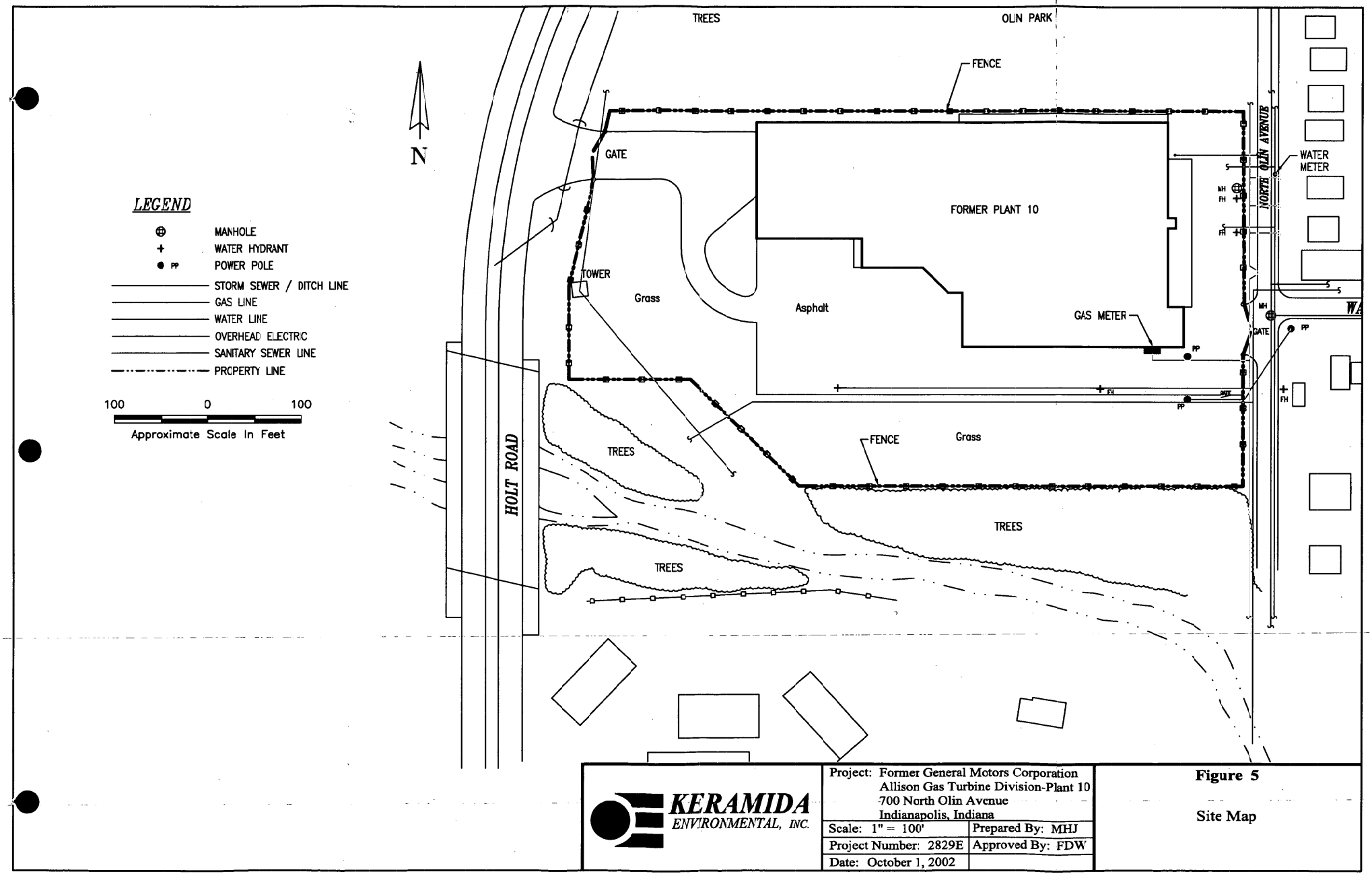
3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 695 ft Scale: 1 : 24,000 Detail: 13-0 Datum: WGS84

KERAMIDA Environmental, Inc.
330 North College Avenue
Indianapolis, Indiana 46202
(317) 685-6600 FAX (317) 685-6610

Figure 4
Site and Surrounding Area Use Map
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
700 North Olin Avenue
Indianapolis, IN

Prepared by: Stan Hunnicutt
Approved by: Frank West
Date: 12/4/01
Project Number: 2829 E

N.



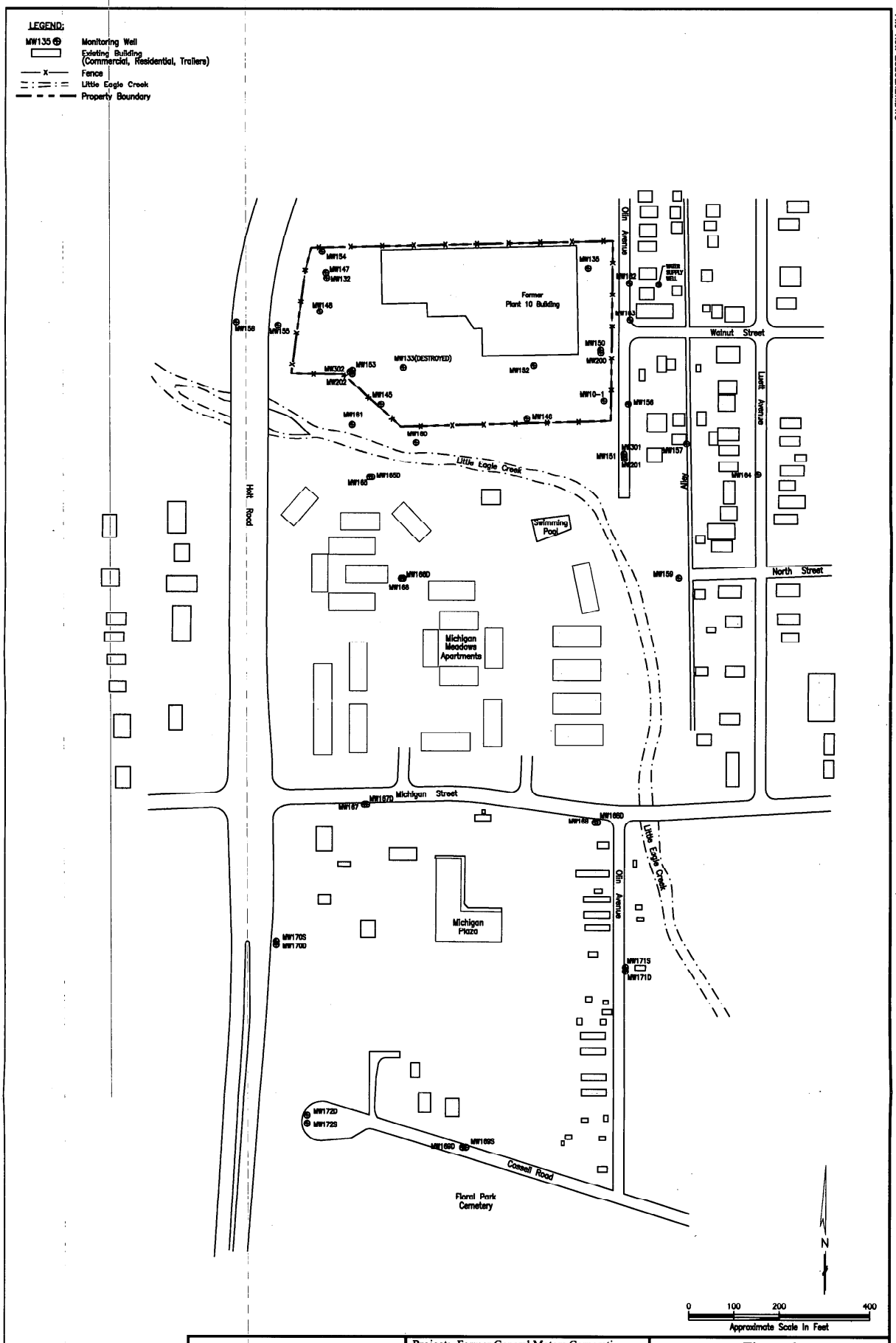
KERAMIDA ENVIRONMENTAL, INC.

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 100'	Prepared By: MHJ
Project Number: 2829E	Approved By: FDW
Date: October 1, 2002	

Figure 5

Site Map

File No.: 2829EIEW.DWG



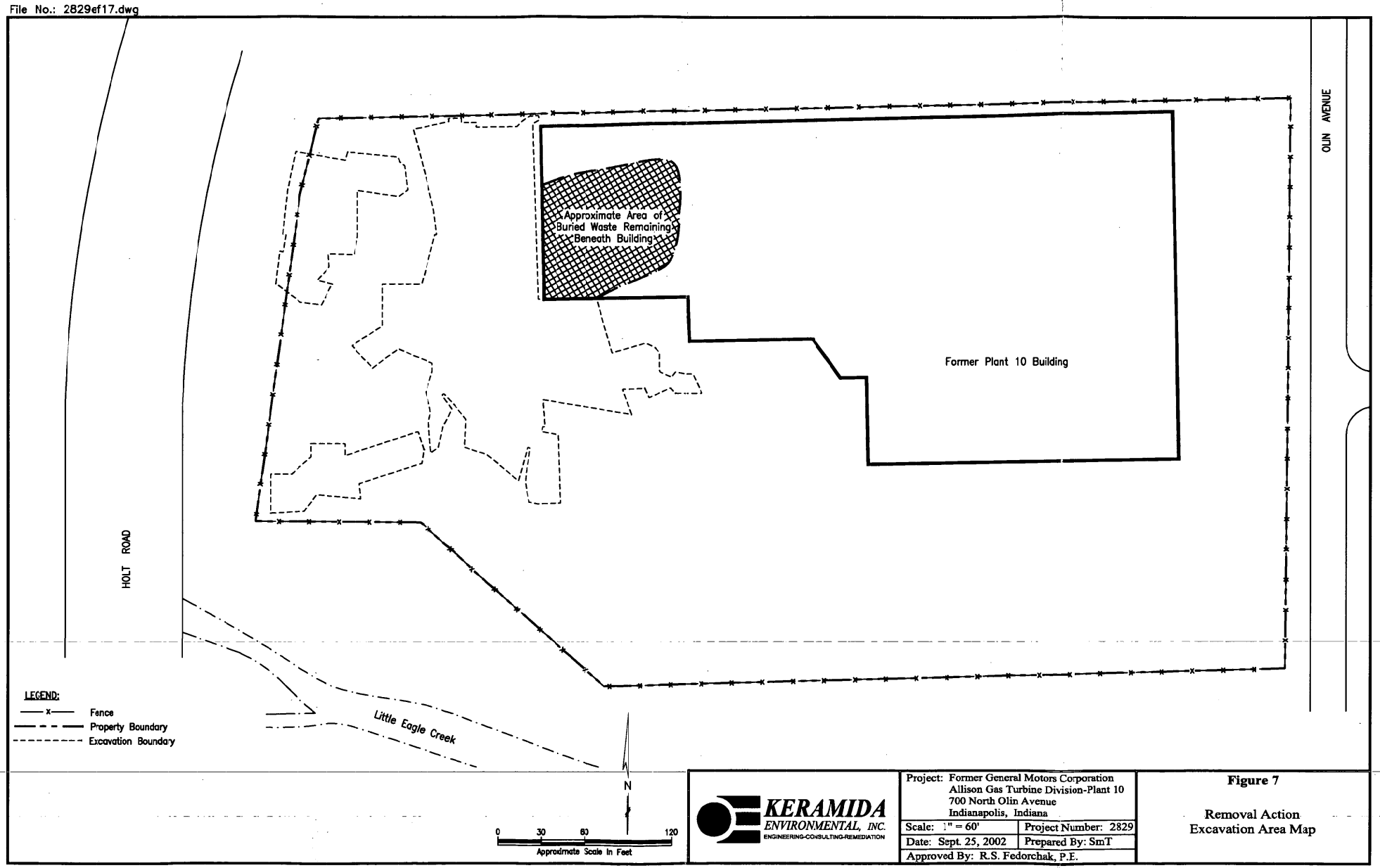
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 6

Monitoring Well Location Map

File No.: 2829ef17.dwg



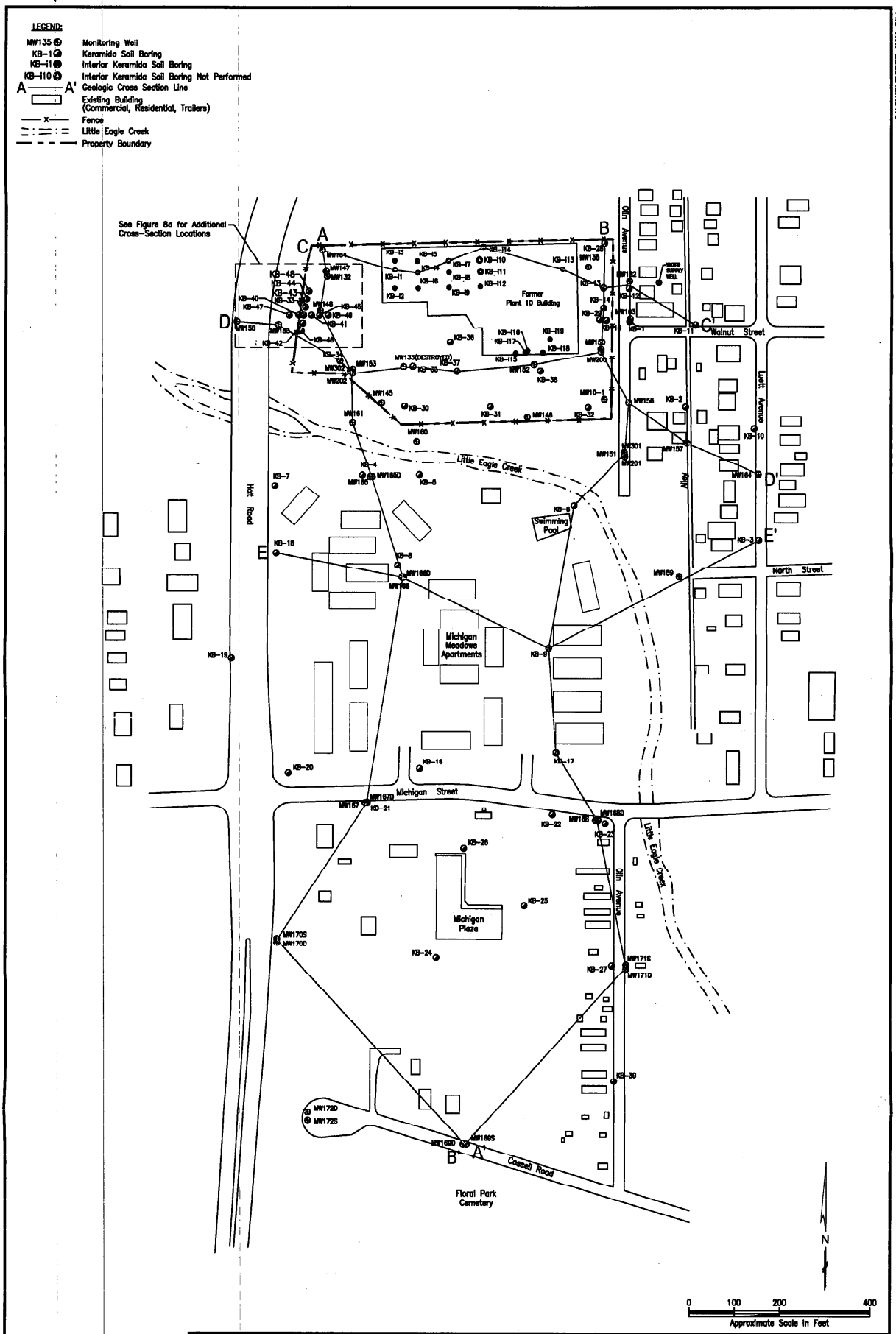
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 60'	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R.S. Fedorchak, P.E.	

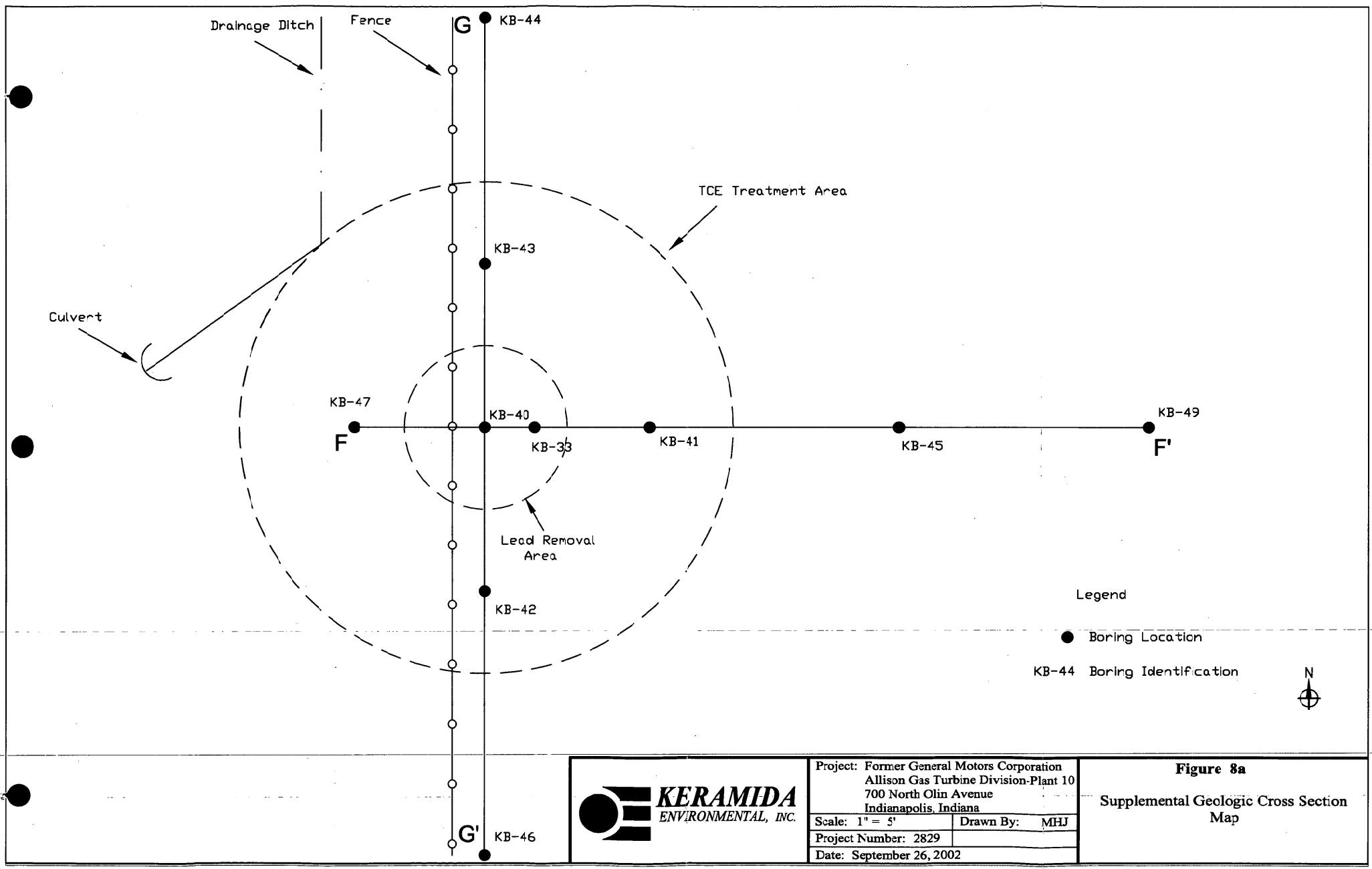
Figure 7

Removal Action
Excavation Area Map

File No.: 2829ENEW.DWG



KERAMIDA ENVIRONMENTAL, INC. ENGINEERING-CONSULTING-REMEDIATION	Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	**Figure 8** Geologic Cross-Section Location Map
	Scale: 1" = 200'+ / Project Number: 2829	
	Date: Sept. 25, 2002 / Prepared By: SmT	
	Approved By: R. S. Fedorchak, P.E.	



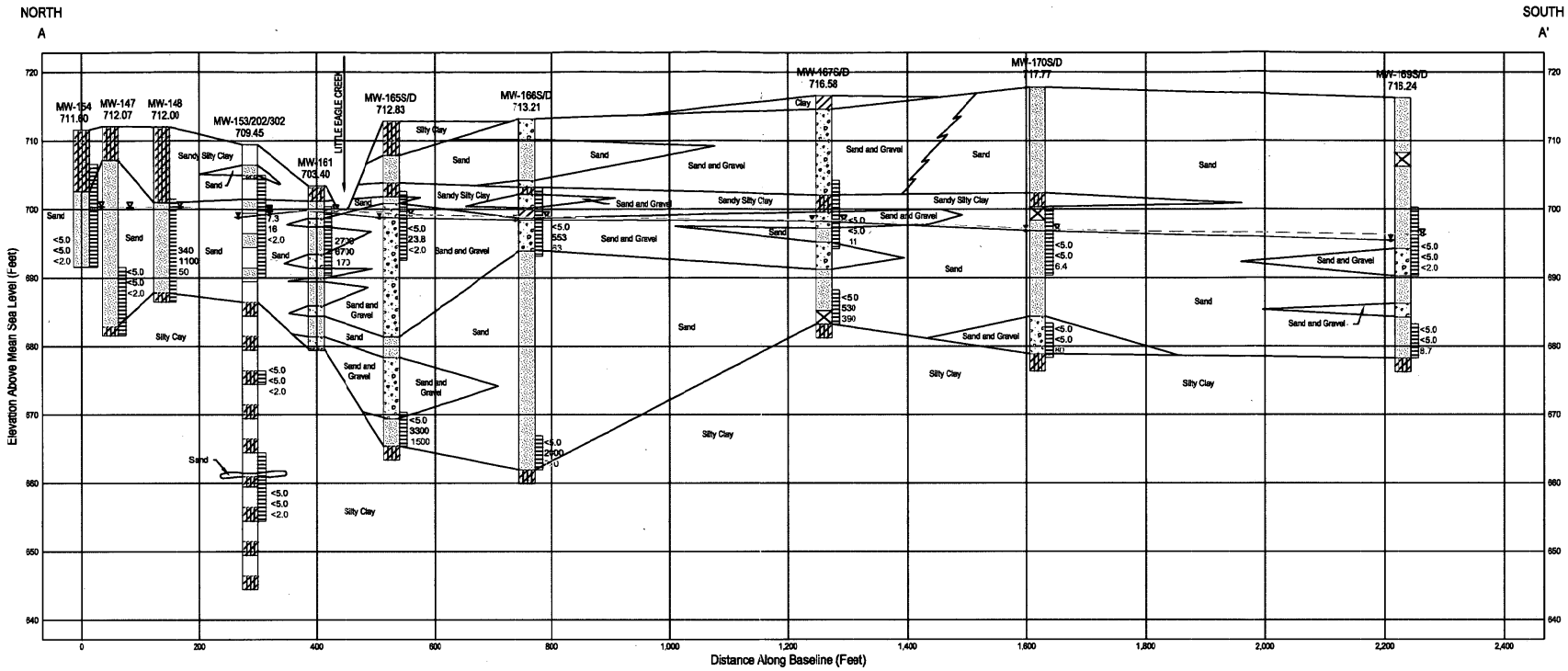
KERAMIDA ENVIRONMENTAL, INC.

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 5'	Drawn By: MHJ
Project Number: 2829	
Date: September 26, 2002	

Figure 8a

Supplemental Geologic Cross Section Map

File No.:



Lithology Graphics

- Blind Drilled
- Clay
- Fill
- No Recovery
- Rock
- Sand
- Sand and Gravel
- Sandy Clay
- Sandy Silt
- Sandy Silty Clay
- Silt
- Silty Clay
- Silty Sand

Well Graphics

- Screened Interval
- Measured Groundwater Elevation (Deep Wells) - 01/30/02
- Measured Groundwater Elevation (Shallow Wells) - 01/30/02

Groundwater Analytical Data (ug/L)

110 Tricholorethene
170 cis-1,2 Dichloroethene
5.7 Vinyl Chloride

Note: Analyte concentrations are from geoprobe borings or from the June 2001 sampling event at each monitoring well.

Graphics

- Geoprobe Groundwater Sample Interval
- 711.72 Ground Elevation (Feet)
- Shallow Well Groundwater Potentiometric Surface Level
- Deep Well Groundwater Potentiometric Surface Level
- Inferred Lithologic Contact

General Note:

Subsurface conditions shown between boring locations are interpreted, actual conditions may vary.

KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

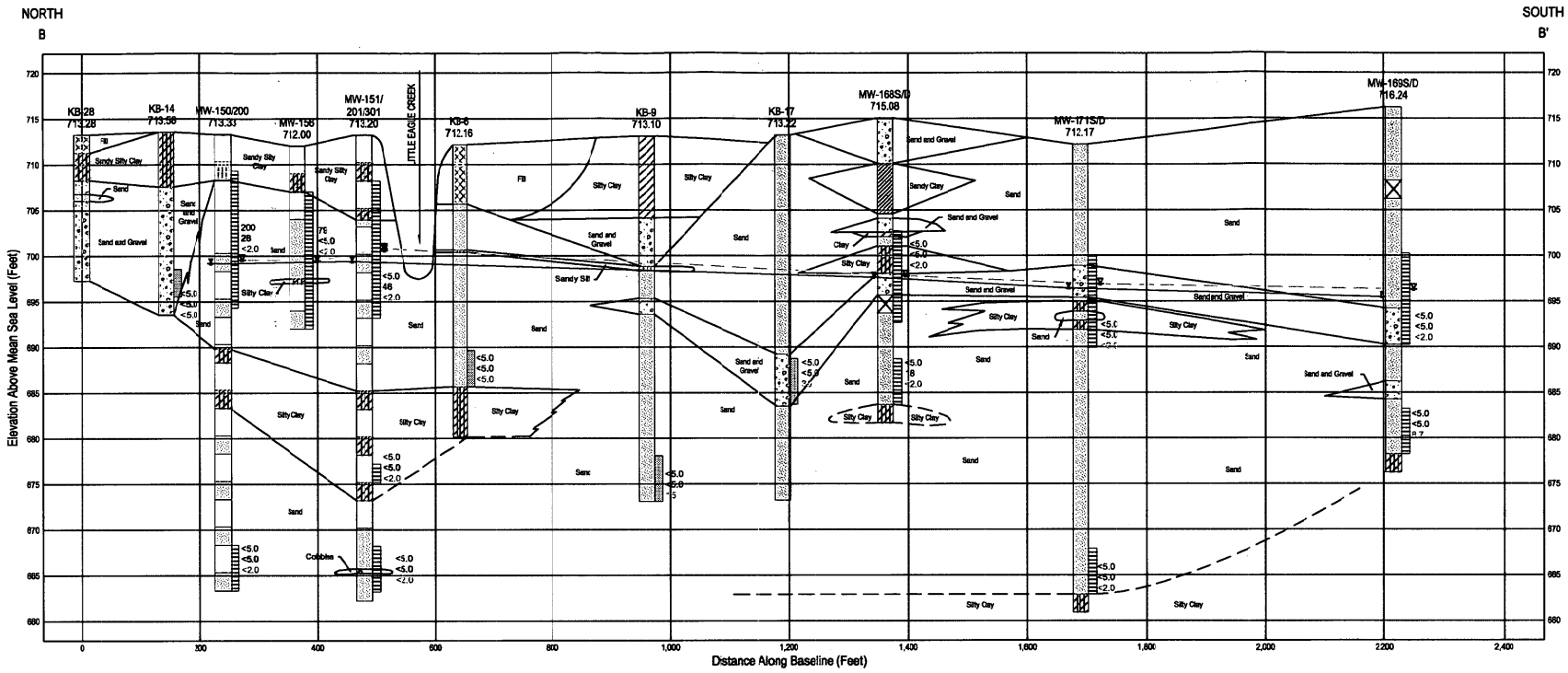
Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

Scale: As Shown, Vertical Exaggeration: 12
Project Number: 2829 | Date: March 13, 2002
Prepared By: SmT | Approved By: R. S. F.

Figure 8b

Geologic Cross-Section A-A'

File No.: 2829bb-bsize.dwg



Lithology Graphics

- Blind Drilled
- Clay
- Fill
- No Recovery
- Rock
- Sand
- Sand and Gravel
- Sandy Clay
- Sandy Silt
- Sandy Silty Clay
- Silt
- Silty Clay
- Silty Sand

Well Graphics

- Screened Interval
- Measured Groundwater Elevation (Deep Wells) - 01/30/02
- Measured Groundwater Elevation (Shallow Wells) - 01/30/02

Groundwater Analytical Data (ug/L)

- 110 Tricholorethene
- 170 cis-1,2 Dichlorethene
- 6.7 Vinyl Chloride

Note: Analyte concentrations are from geoprobe borings or from the June 2001 sampling event at each monitoring well.

Graphics

- Geoprobe Groundwater Sample Interval
- 711.72 Ground Elevation (Feet)
- Shallow Well Groundwater Potentiometric Surface Level
- Deep Well Groundwater Potentiometric Surface Level
- Inferred Lithologic Contact

General Note:

Subsurface conditions shown between boring locations are interpreted, actual conditions may vary.

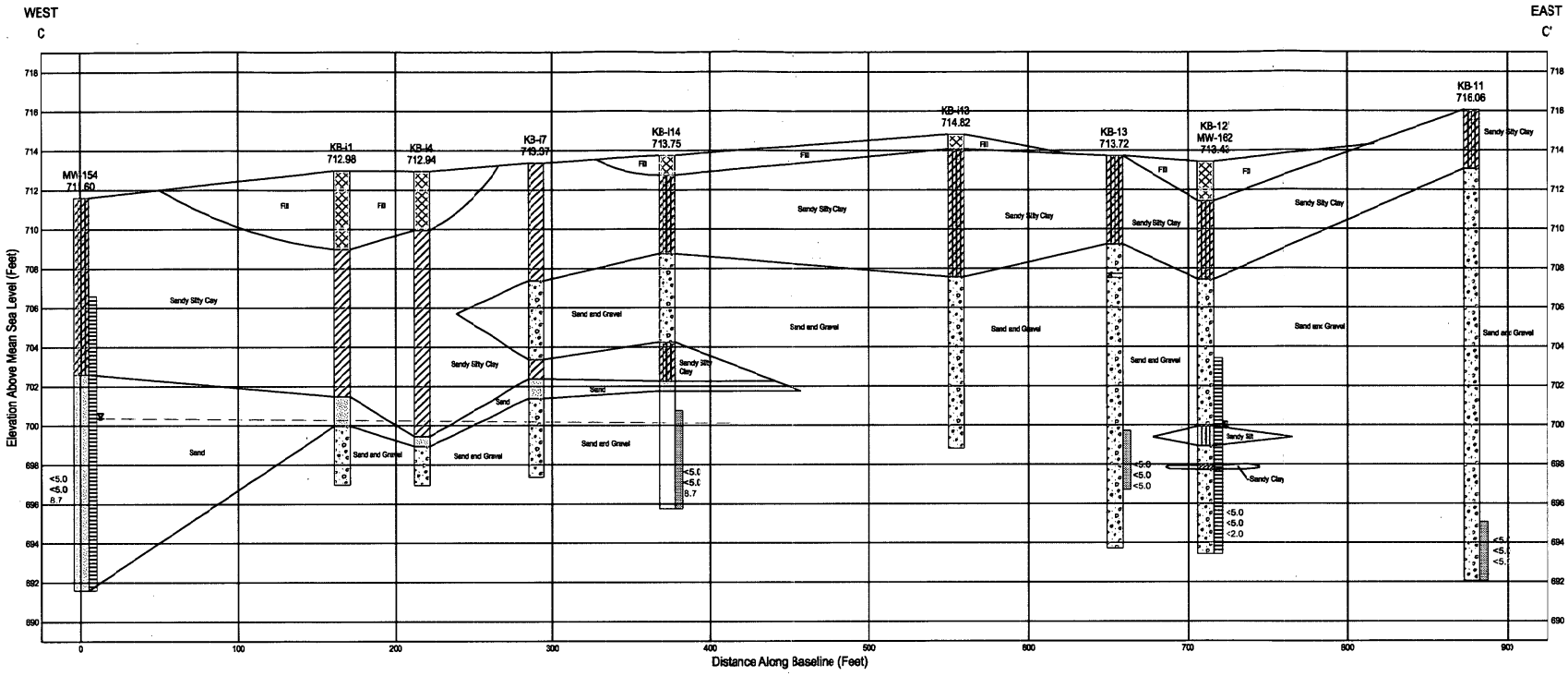
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project:	Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana
Scale:	As Shown, Vertical Exaggeration: 16
Project Number: 2829	Date: March 13, 2002
Prepared By: SmT	Approved By: R. S. F.

Figure 8c

Geologic Cross-Section B-B'

File No.: 2829cc-bsize.dwg



Lithology Graphics

- Blind Drilled
- Clay
- Fill
- No Recovery
- Rock
- Sand
- Sand and Gravel
- Sandy Clay
- Sandy Silt
- Sandy Silty Clay
- Silt
- Silty Clay
- Silty Sand

Well Graphics

- Screened Interval
- Measured Groundwater Elevation (Deep Wells) - 01/30/02
- Measured Groundwater Elevation (Shallow Wells) - 01/30/02

Groundwater Analytical Data (ug/L)

- 110 Trichloroethene
- 170 cis-1,2 Dichloroethene
- 6.7 Vinyl Chloride

Note: Analyte concentrations are from geoprobe borings or from the June 2001 sampling event at each monitoring well.

Graphics

- Geoprobe Groundwater Sample Interva
- 711.72 Ground Elevation (Feet)
- Shallow Well Groundwater Potentiometric Surface Level
- Deep Well Groundwater Potentiometric Surface Level
- Inferred Lithologic Contact

General Note:

Subsurface conditions shown between boring locations are interpreted, actual conditions may vary.

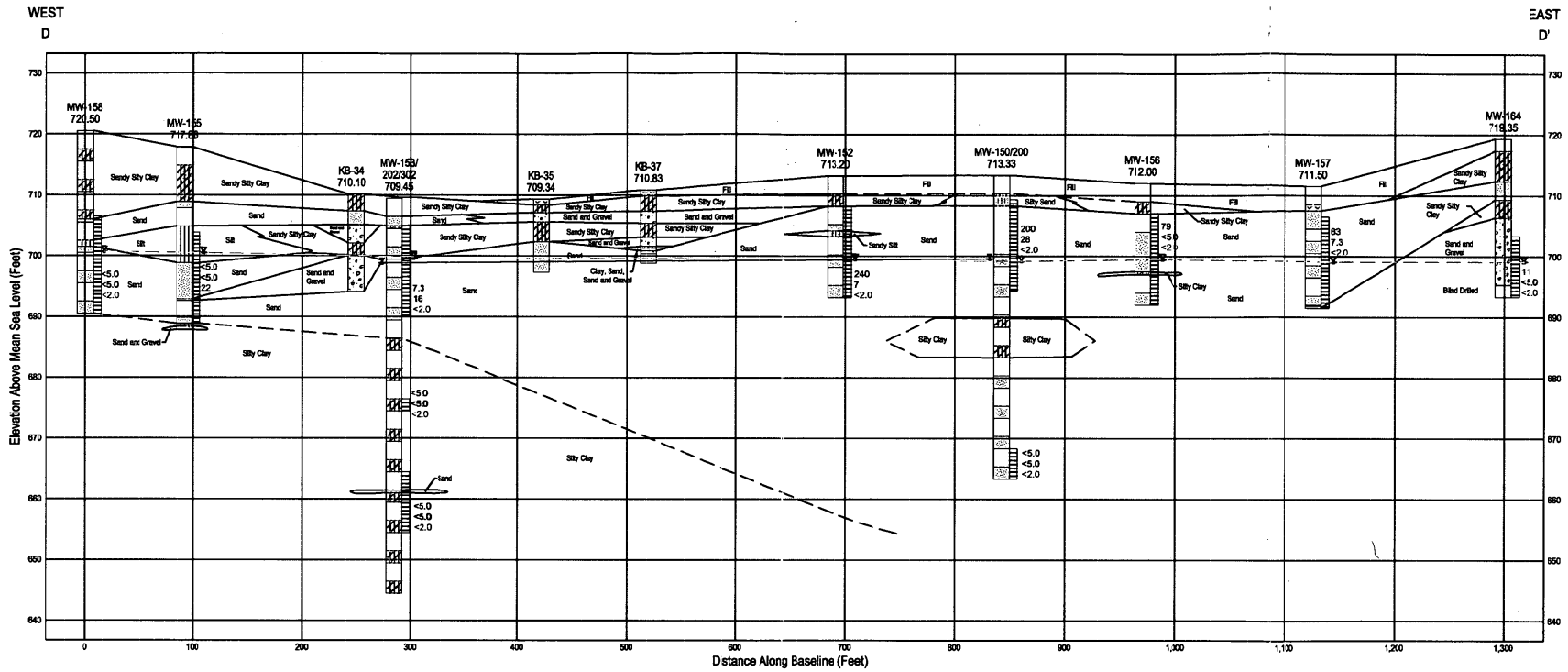
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project:	Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana
Scale:	As Shown, Vertical Exaggeration: 13.64
Project Number:	2829 Date: March 13, 2002
Prepared By:	SmT Approved By: R. S. F.

Figure 8d

Geologic Cross-Section C-C'

File No.: 2829dd-bsize.dwg



Lithology Graphics

- Blind Drilled
- Clay
- Fill
- No Recovery
- Rock
- Sand
- Sand and Gravel
- Sardy Clay
- Sardy Silt
- Sardy Silty Clay
- Silt
- Silty Clay
- Silty Sand

Well Graphics

- Screened Interval
- Measured Groundwater Elevation (Deep Wells) - 01/30/02
- Measured Groundwater Elevation (Shallow Wells) - 01/30/02

Groundwater Analytical Data (ug/L)

110 Tricholorethene
170 cis-1,2 Dichloroethene
6.7 Vinyl Chloride

Note: Analyte concentrations are from geoprobe borings or from the June 2001 sampling event at each monitoring well.

Graphics

- Geoprobe Groundwater Sample Interval
- 711.72 Ground Elevation (Feet)
- Shallow Well Groundwater Potentiometric Surface Level
- Deep Well Groundwater Potentiometric Surface Level
- Inferred Lithologic Contact

General Note:

Subsurface conditions shown between boring locations are interpreted, actual conditions may vary

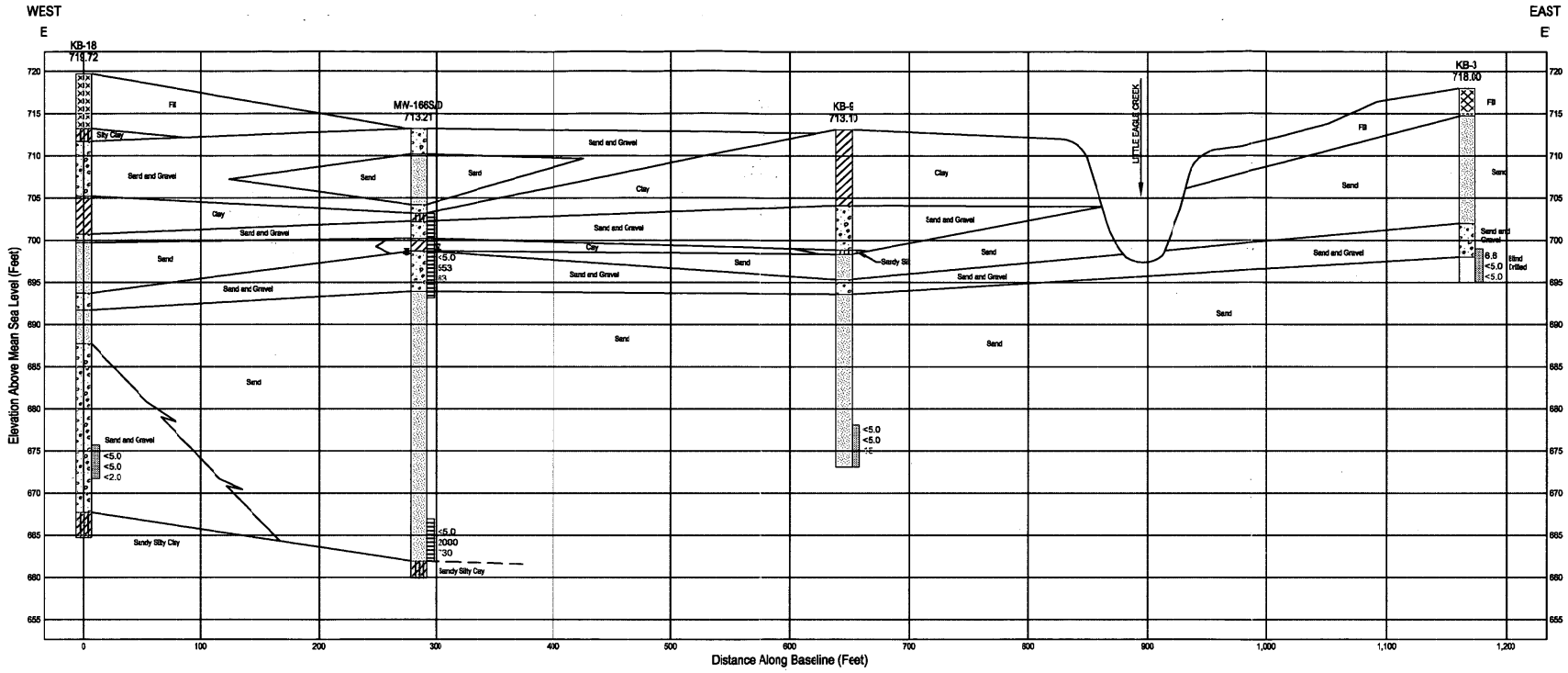
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project:	Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana
Scale: As Shown, Vertical Exaggeration: 5.65	
Project Number: 2829	Date: March 13, 2002
Prepared By: SmT	Approved By: R. S. F.

Figure 8e

Geologic Cross-Section D-D'

File No.: 2829ee-bsize.dwg



Lithology Graphics

- Blind Drilled
- Clay
- Fill
- No Recovery
- Rock
- Sand
- Sand and Gravel
- Sandy Clay
- Sandy Silt
- Sandy Silty Clay
- Silt
- Silty Clay
- Silty Sand

Well Graphics

- Screened Interval
- Measured Groundwater Elevation (Deep Wells) - 01/30/02
- Measured Groundwater Elevation (Shallow Wells) - 01/30/02

Groundwater Analytical Data (ug/L)

110 Trchloroethene
170 cis-1,2 Dichloroethene
6.7 Vinyl Chloride

Note: Analyte concentrations are from geoprobe borings or from the June 2001 sampling event at each monitoring well.

Graphics

- Geoprobe Groundwater Sample Interval
- 711.72 Ground Elevation (Feet)
- Shallow Well Groundwater Potentiometric Surface Level
- Deep Well Groundwater Potentiometric Surface Level
- Inferred Lithologic Contact

General Note:

Subsurface conditions shown between boring locations are interpreted, actual conditions may vary.

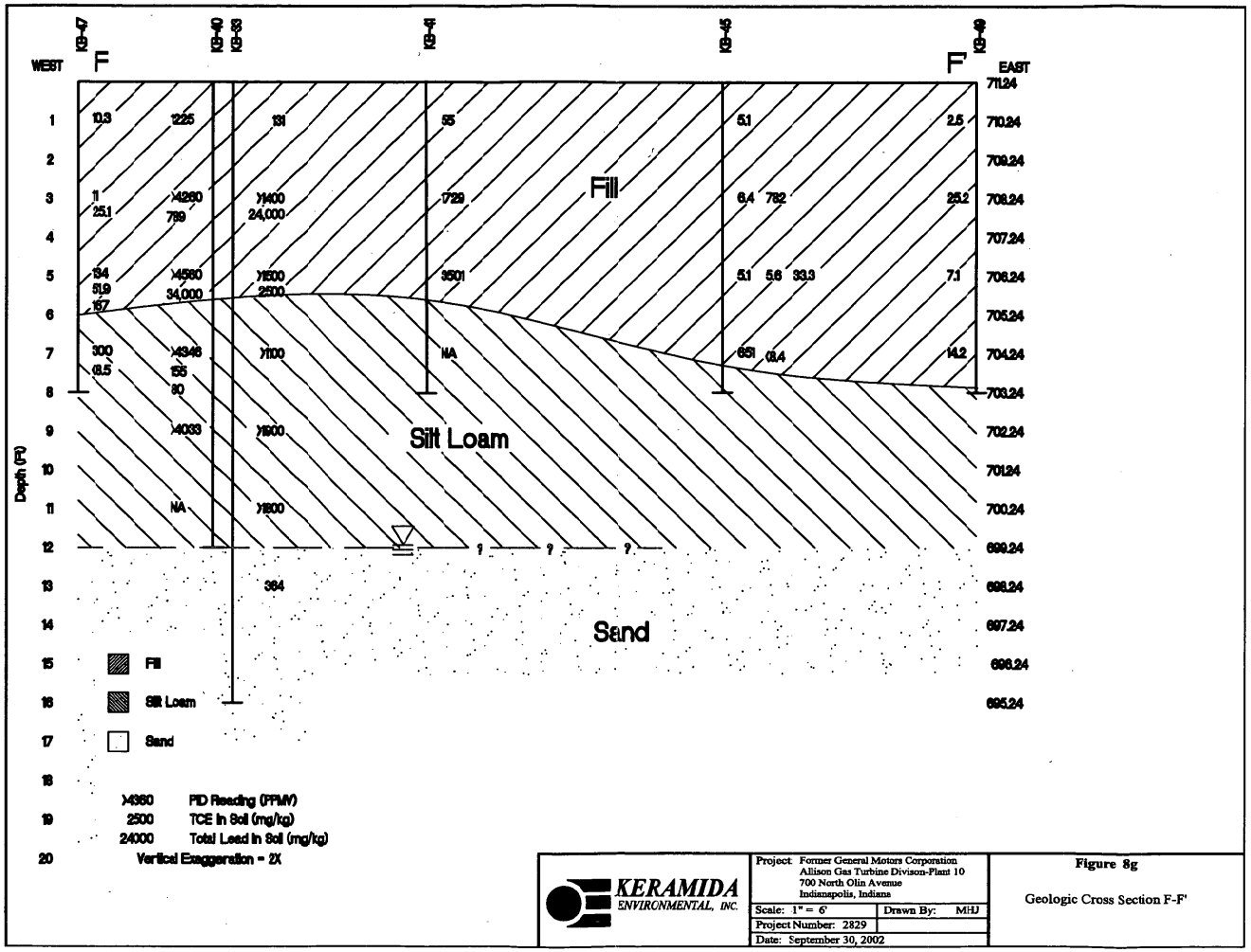
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Clin Avenue
Indianapolis, Indiana

Scale: As Shown, Vertical Exaggeration: 8
Project Number: 2829 | Date: March 13, 2002
Prepared By: SmT | Approved By: R. S. F.

Figure 8f

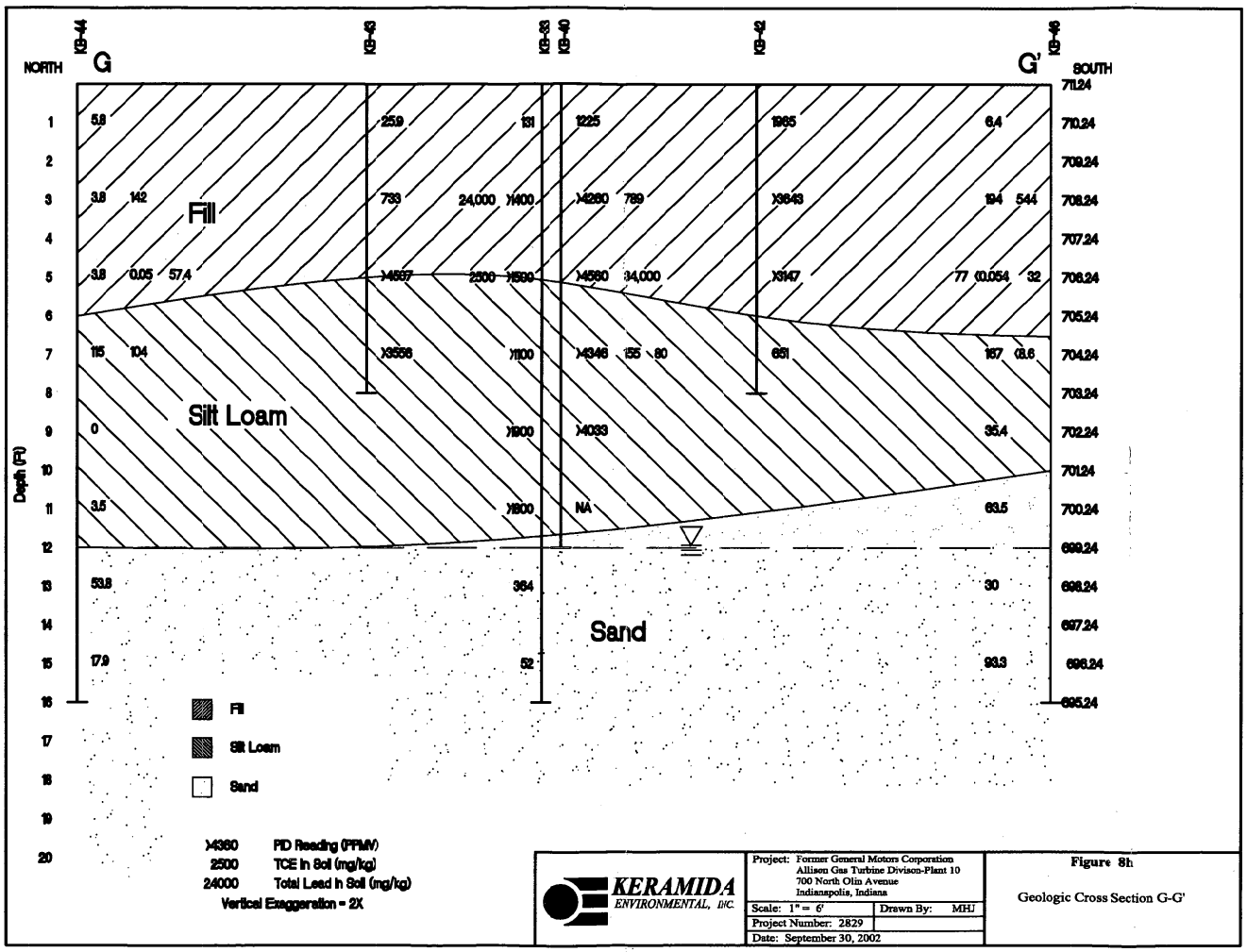
Geologic Cross-Section E-E'



KERAMIDA ENVIRONMENTAL, INC.	Project: Former General Motors Corporation Allison Gas Turbine Divison-Plant 10 700 North Olin Avenue Indianapolis, Indiana
Scale: 1" = 6'	Drawn By: MHJ
Project Number: 2829	
Date: September 30, 2002	

Figure 8g

Geologic Cross Section F-F'



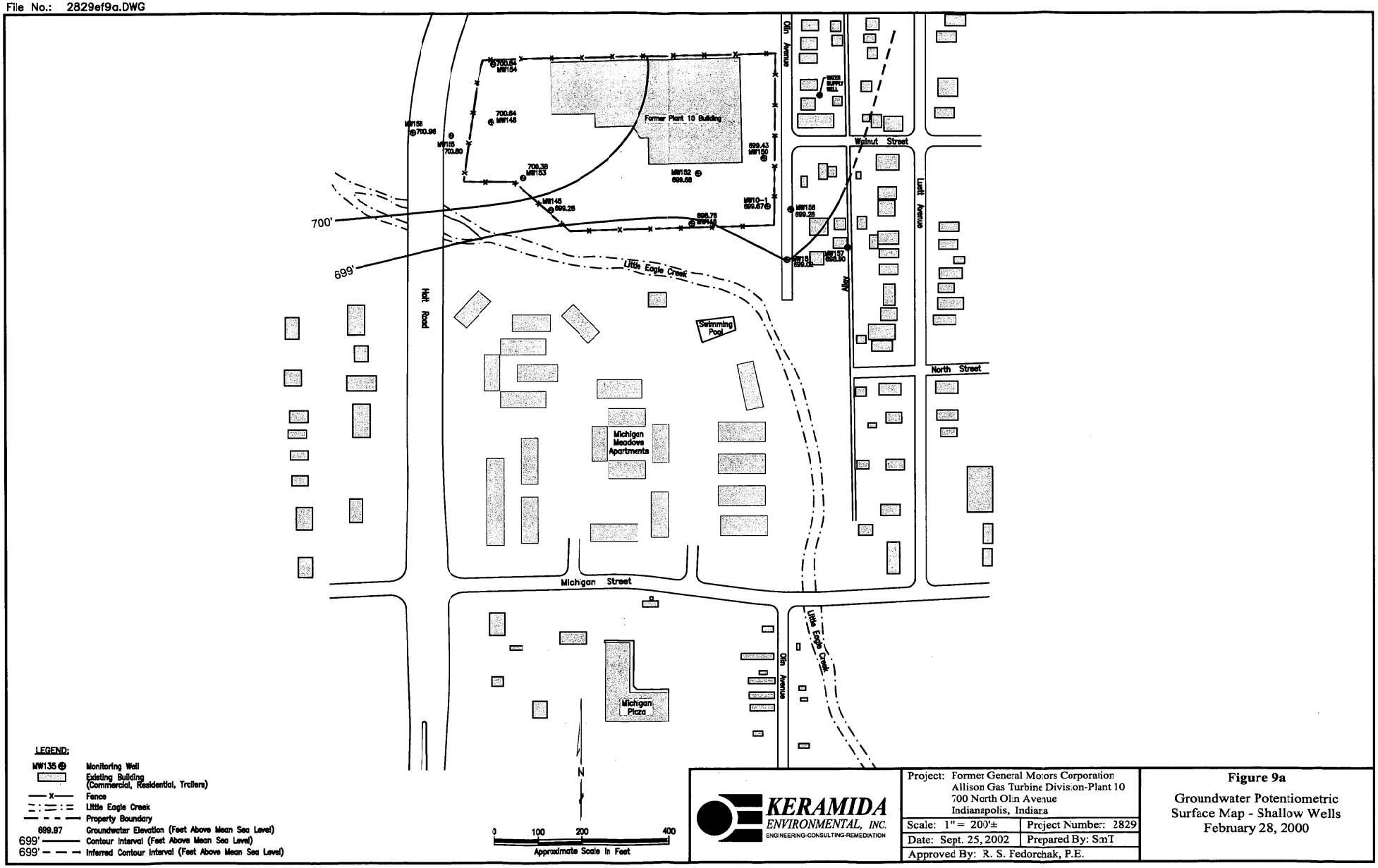
KERAMIDA ENVIRONMENTAL, INC.

Project: Former General Motors Corporation Allison Gas Turbine Divison-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 6'	Drawn By: MHJ
Project Number: 2829	
Date: September 30, 2002	

Figure 8h

Geologic Cross Section G-G'

File No.: 2829ef9a.DWG



LEGEND:

- MW135 ⊕ Monitoring Well
- Existing Building (Commercial, Residential, Trailers)
- —x— Fence
- Little Eagle Creek
- Property Boundary
- 699.97 Groundwater Elevation (Feet Above Mean Sea Level)
- 699' Contour Interval (Feet Above Mean Sea Level)
- 699' Inferred Contour Interval (Feet Above Mean Sea Level)

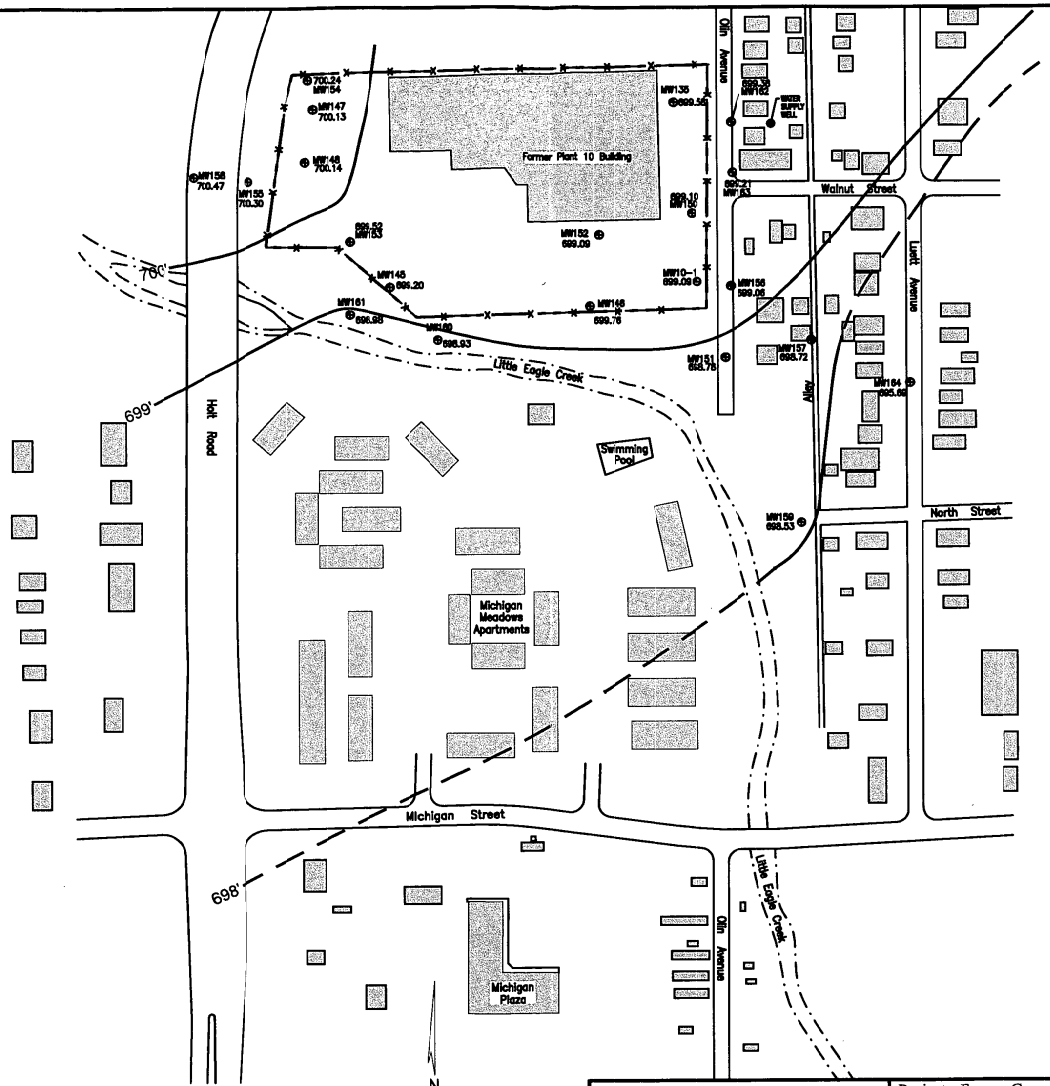
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 9a

Groundwater Potentiometric Surface Map - Shallow Wells
February 28, 2000

File No.: 2829ef9b.DWG



LEGEND:

- MW135 ⊕ Monitoring Well
- Existing Building (Commercial, Residential, Trailers)
- —x— Fence
- Little Eagle Creek
- Property Boundary
- 699.97 Groundwater Elevation (Feet Above Mean Sea Level)
- 699' Contour Interval (Feet Above Mean Sea Level)
- 699' Inferred Contour Interval (Feet Above Mean Sea Level)

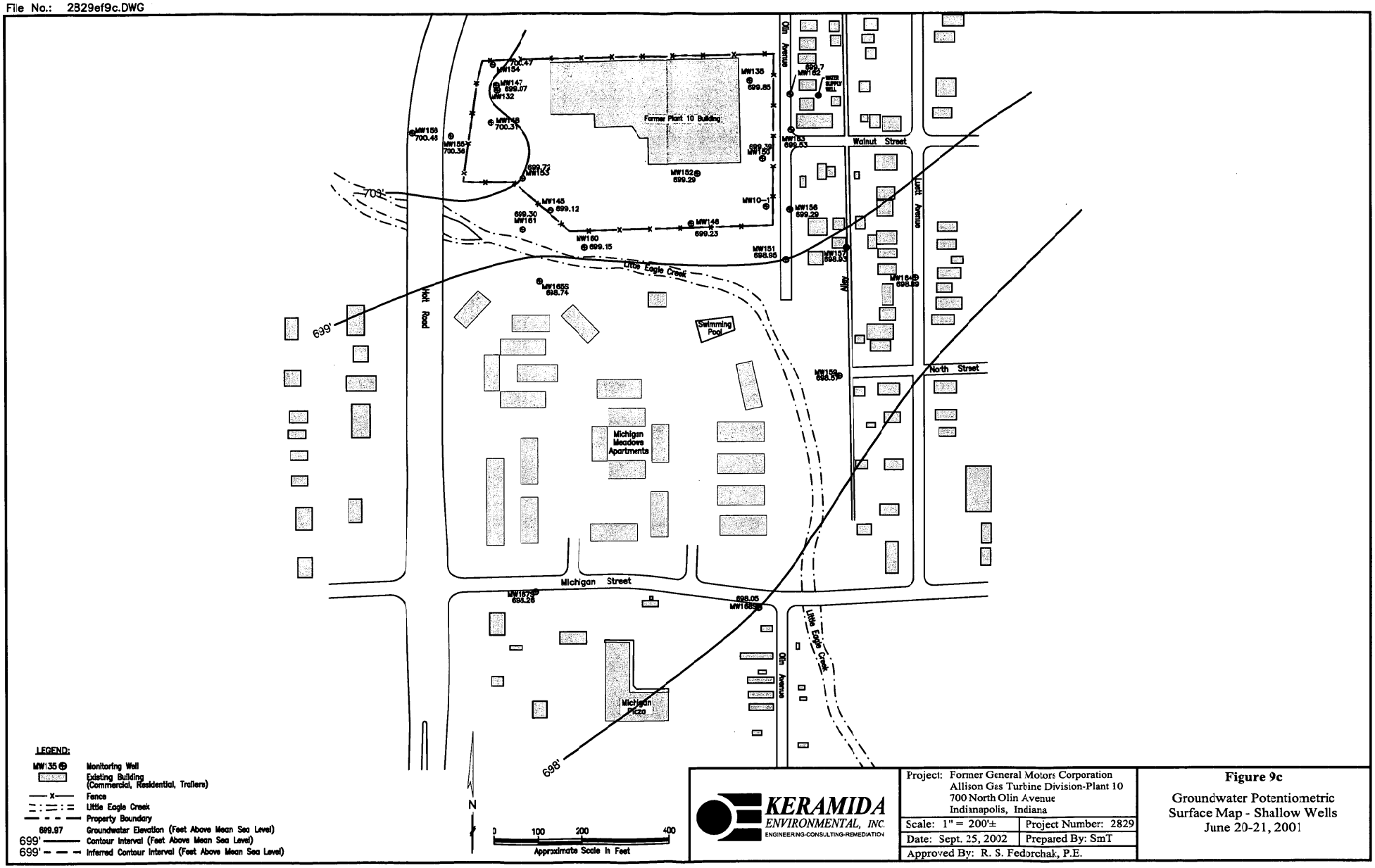
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 9b

Groundwater Potentiometric Surface Map - Shallow Wells
November 7, 2000

File No.: 2829ef9c.DWG



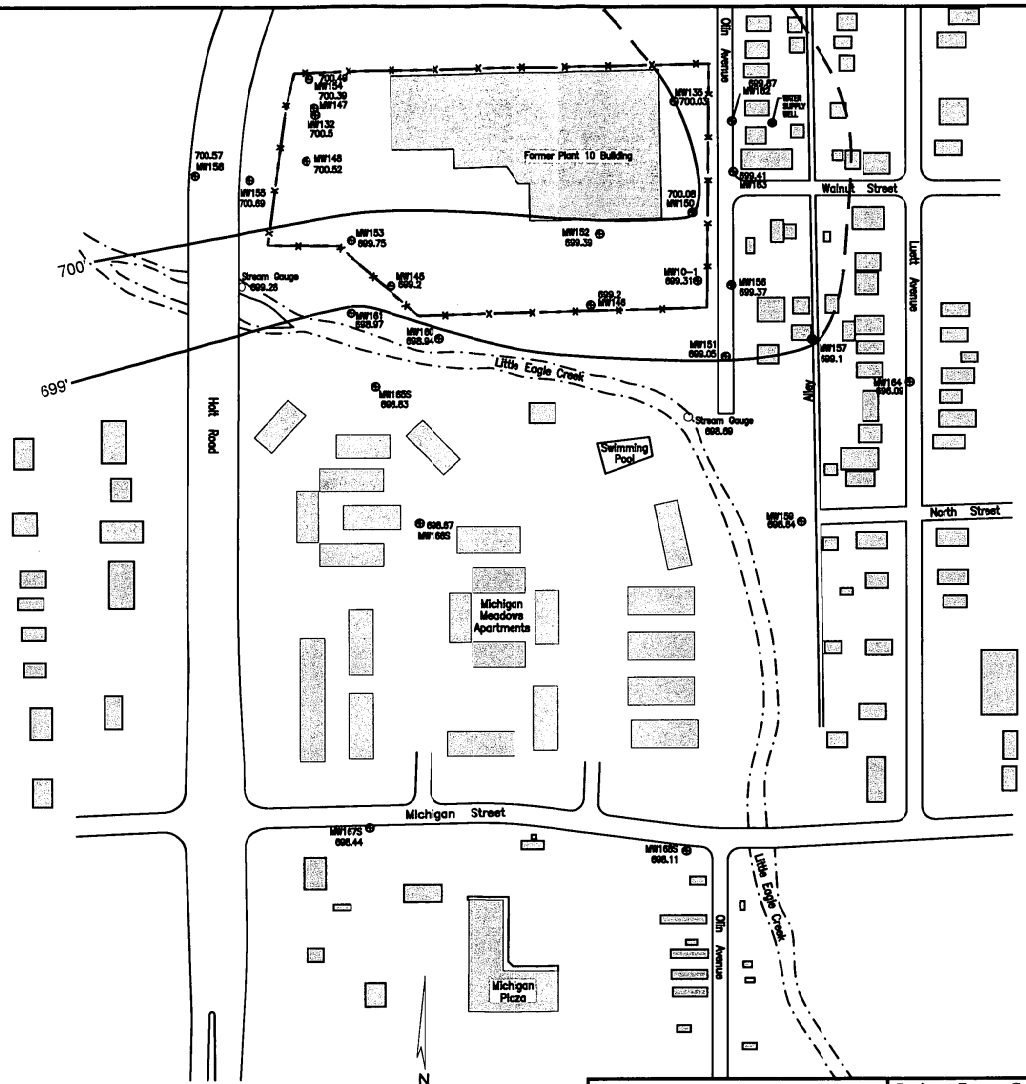
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 9c

Groundwater Potentiometric Surface Map - Shallow Wells
June 20-21, 2001

File No.: 2829ef9d.DWG



LEGEND:

- MW135 ⊕ Monitoring Well
- Existing Building (Commercial, Residential, Trailers)
- —x— Fence
- Little Eagle Creek
- Property Boundary
- 699.97 Groundwater Elevation (Feet Above Mean Sea Level)
- 699' Contour Interval (Feet Above Mean Sea Level)
- 699' Inferred Contour Interval (Feet Above Mean Sea Level)

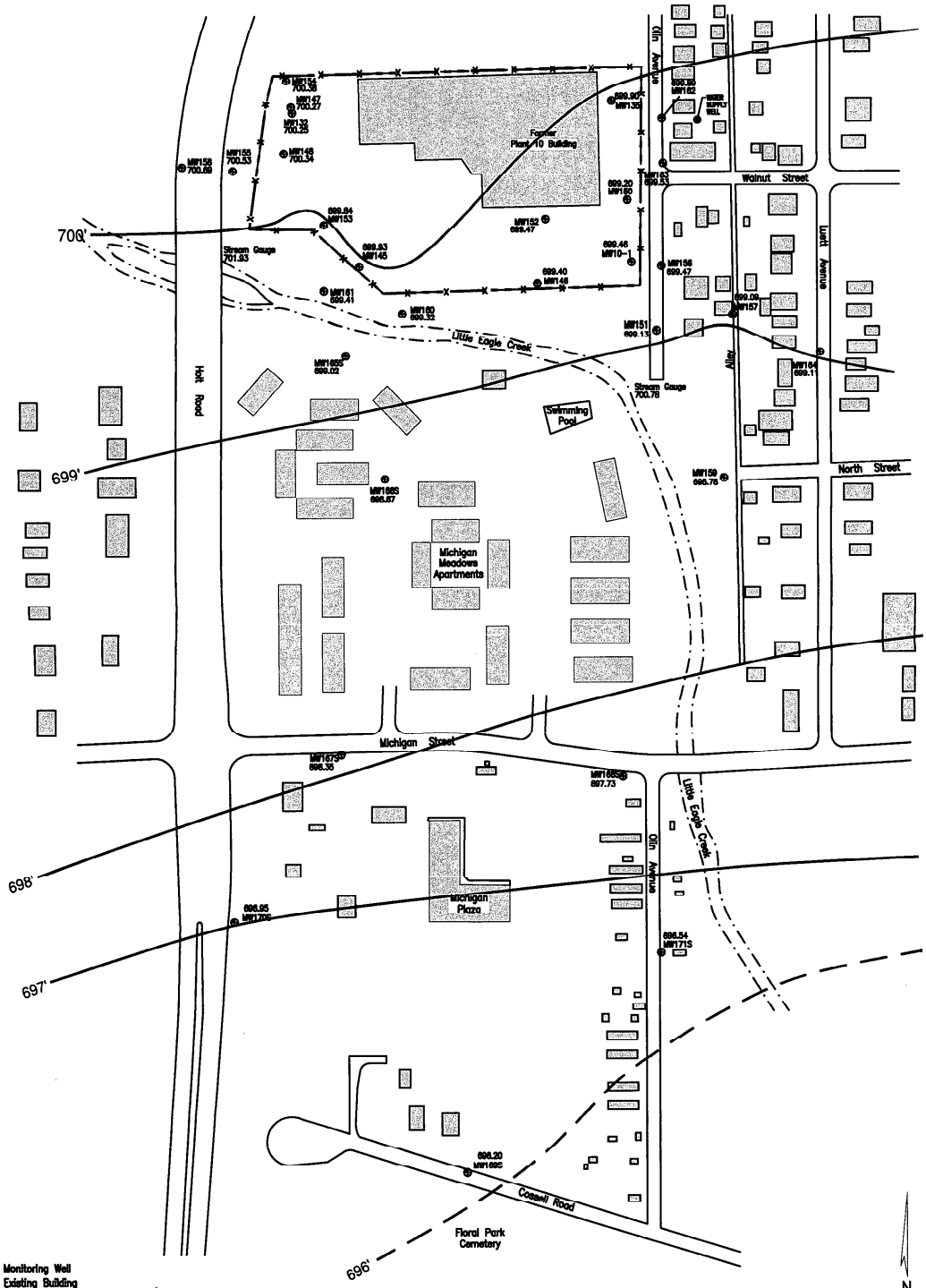
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 9d

Groundwater Potentiometric Surface Map - Shallow Wells
July 24, 2001

File No.: 2829e9e.dwg



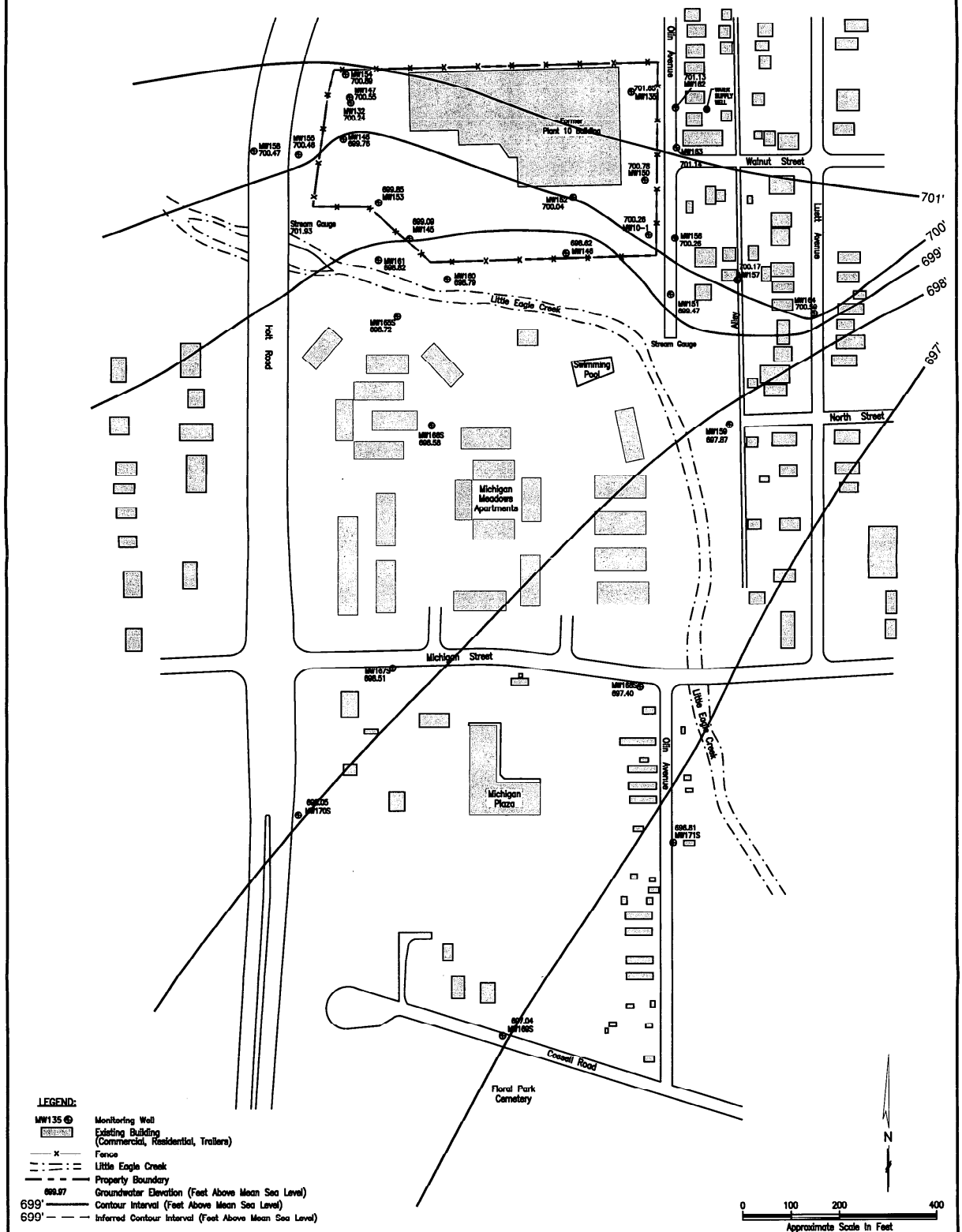
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 9e

Groundwater Potentiometric Surface Map - Shallow Wells
January 30, 2002

File No.: 2829gw9f.dwg



LEGEND:

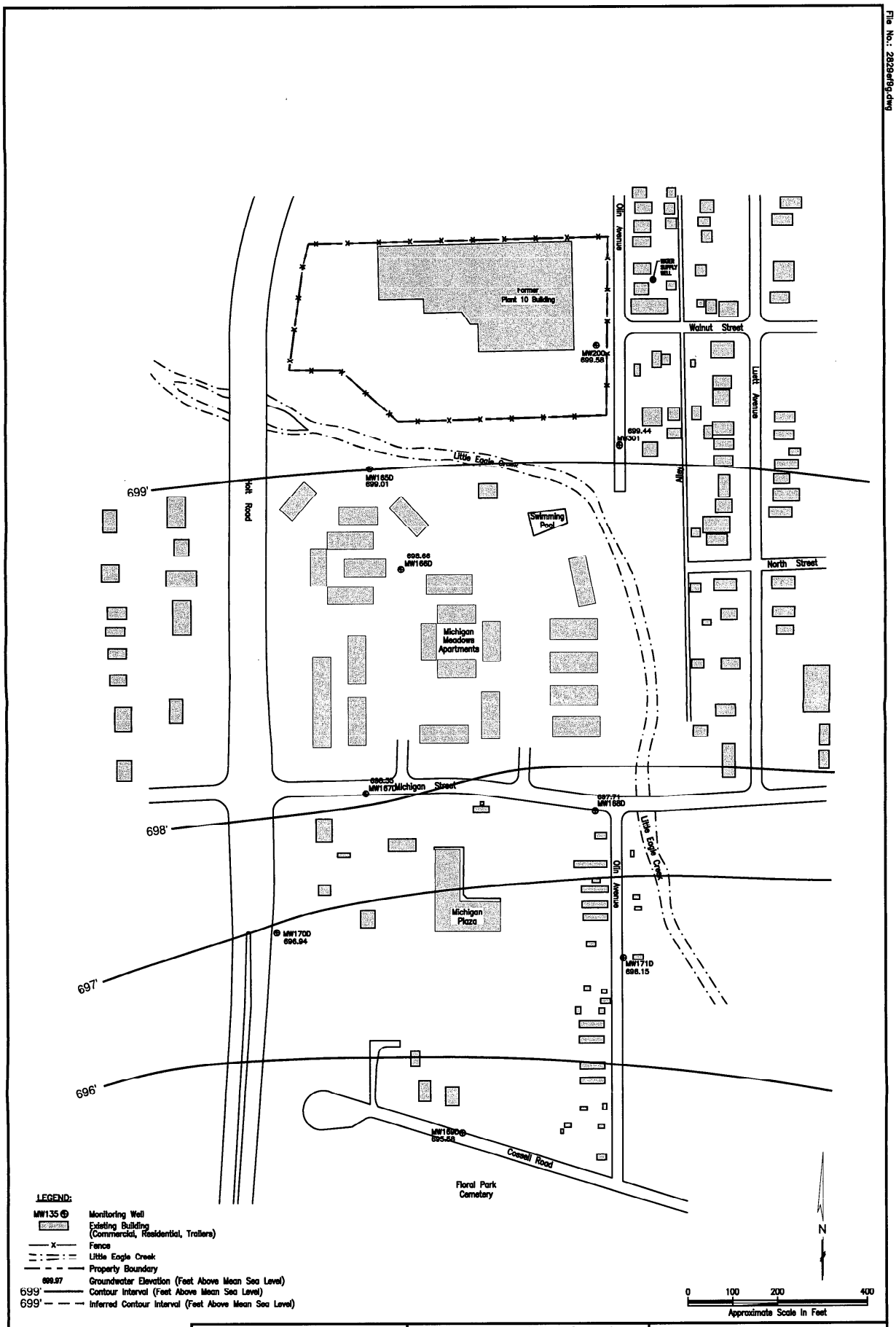
- MW135 ⊕ Monitoring Well
- Existing Building (Commercial, Residential, Trailers)
- Fence
- Little Eagle Creek
- Property Boundary
- 699.97 Groundwater Elevation (Feet Above Mean Sea Level)
- 699' Contour Interval (Feet Above Mean Sea Level)
- 699' Inferred Contour Interval (Feet Above Mean Sea Level)

KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

Scale: 1" = 200'±
Project Number: 2829
Date: Sept. 25, 2002
Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.

Figure 9f
Groundwater Potentiometric Surface Map - Shallow Wells
July 15-22, 2002

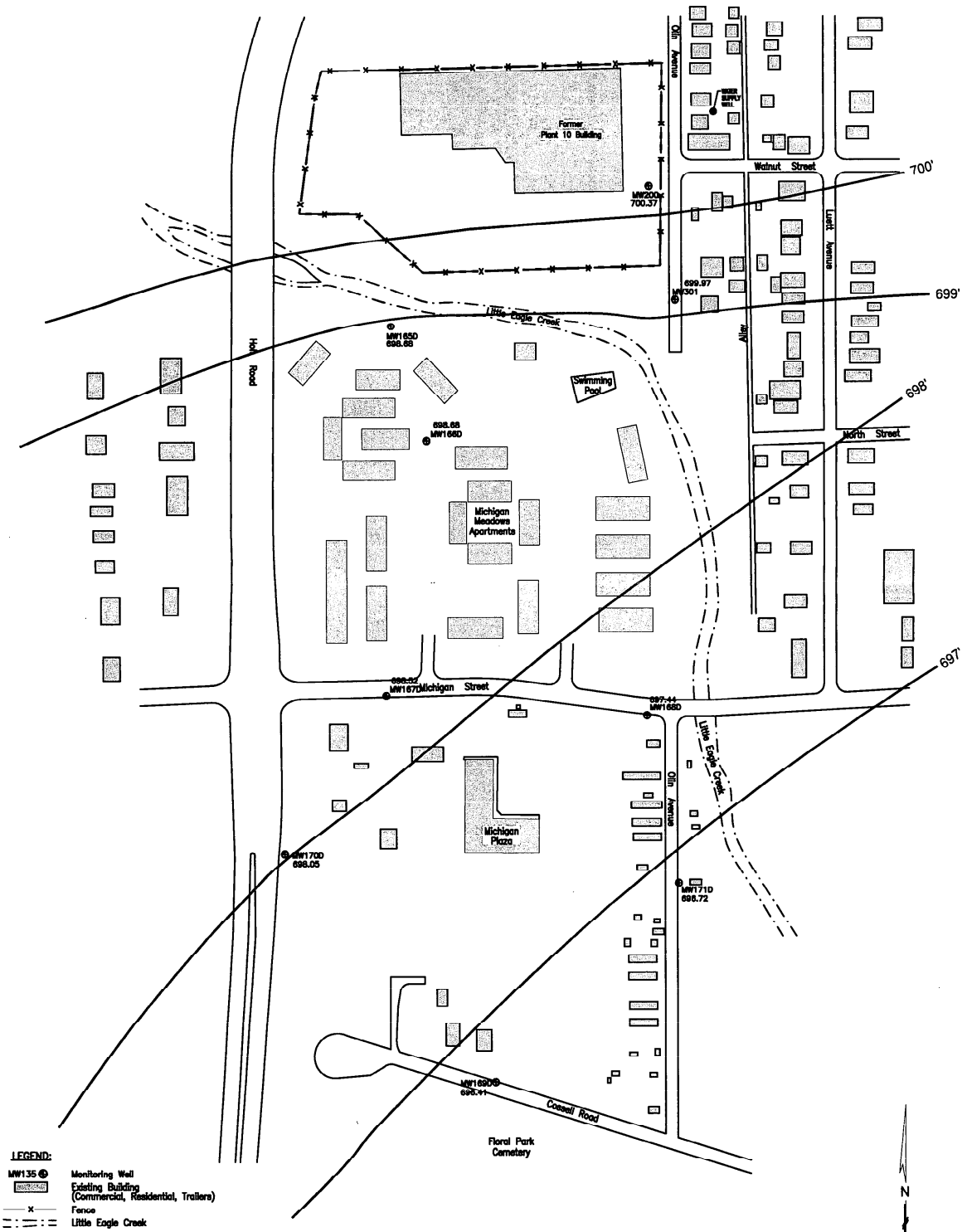


KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 9g
Groundwater Potentiometric Surface Map - Deep Wells
January 30, 2002

File No.: 2829e9h.dwg



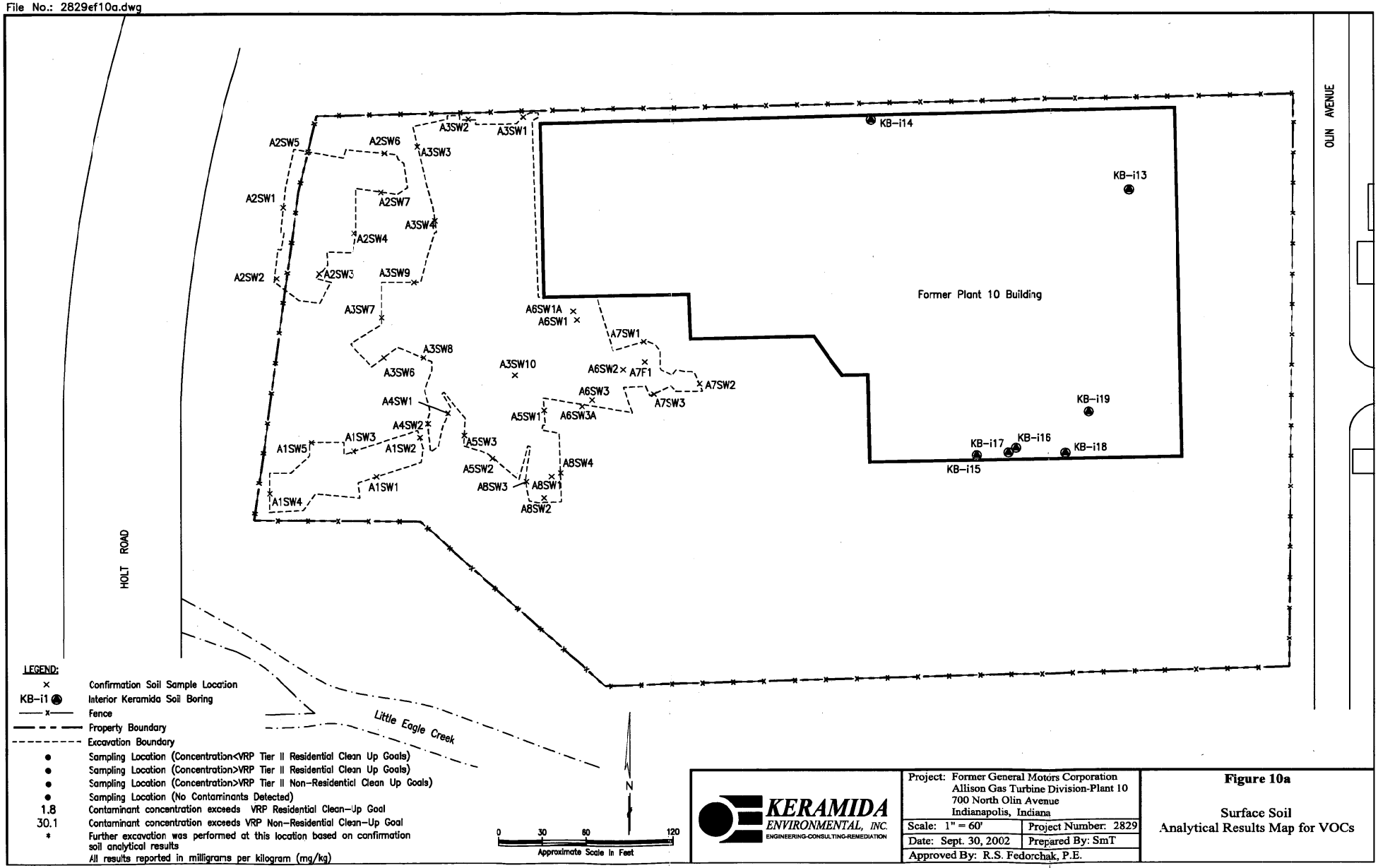
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 9h

Groundwater Potentiometric Surface Map - Deep Wells
July 15-22, 2002

File No.: 2829ef10a.dwg



LEGEND:

- × Confirmation Soil Sample Location
- KB-i1 Interior Keramida Soil Boring
- Fence
- Property Boundary
- Excavation Boundary
- ● Sampling Location (Concentration<VRP Tier II Residential Clean Up Goals)
- ● Sampling Location (Concentration>VRP Tier II Residential Clean Up Goals)
- ● Sampling Location (Concentration>VRP Tier II Non-Residentiel Clean Up Goals)
- ● Sampling Location (No Contaminants Detected)
- 1.8 Contaminant concentration exceeds VRP Residential Clean-Up Goal
- 30.1 Contaminant concentration exceeds VRP Non-Residential Clean-Up Goal
- * Further excavation was performed at this location based on confirmation soil analytical results

All results reported in milligrams per kilogram (mg/kg)

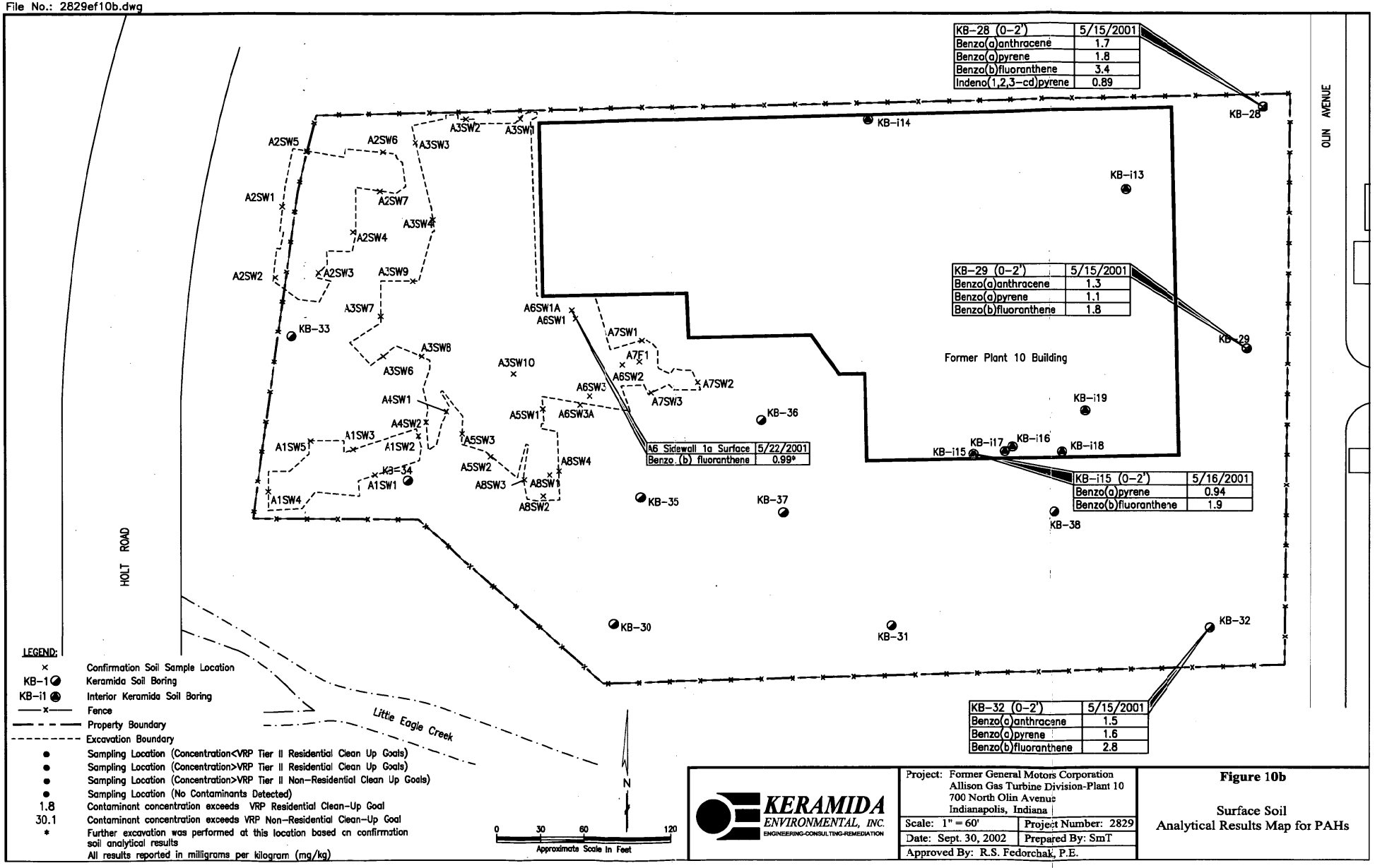
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 60'	Project Number: 2829
Date: Sept. 30, 2002	Prepared By: SmT
Approved By: R.S. Fedorchak, P.E.	

Figure 10a

Surface Soil
Analytical Results Map for VOCs

File No.: 2829ef10b.dwg



KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

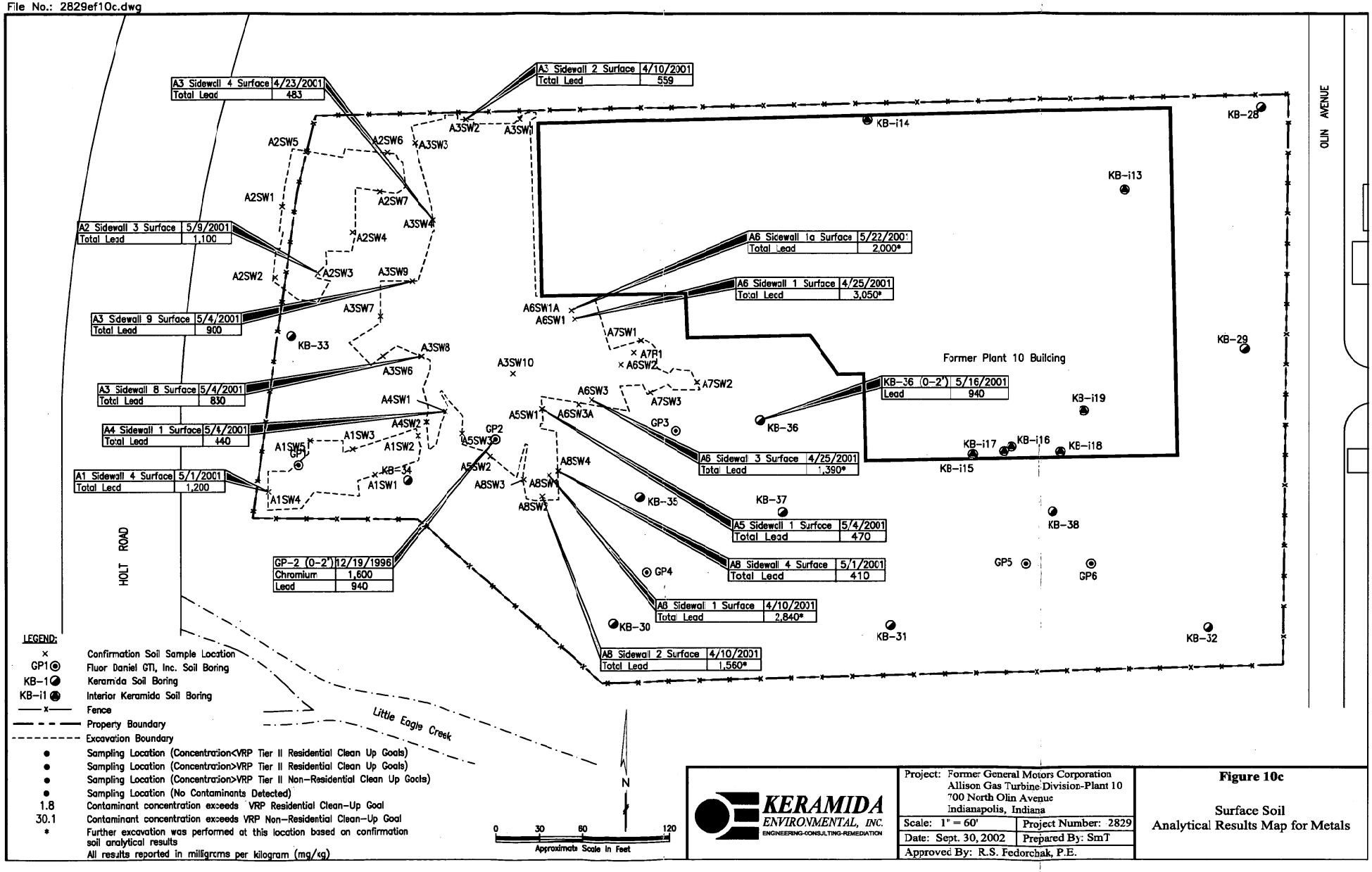
Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

Scale: 1" = 60' | Project Number: 2829
Date: Sept. 30, 2002 | Prepared By: SmT
Approved By: R.S. Fedorchak, P.E.

Figure 10b

Surface Soil
Analytical Results Map for PAHs

File No.: 2829ef10c.dwg



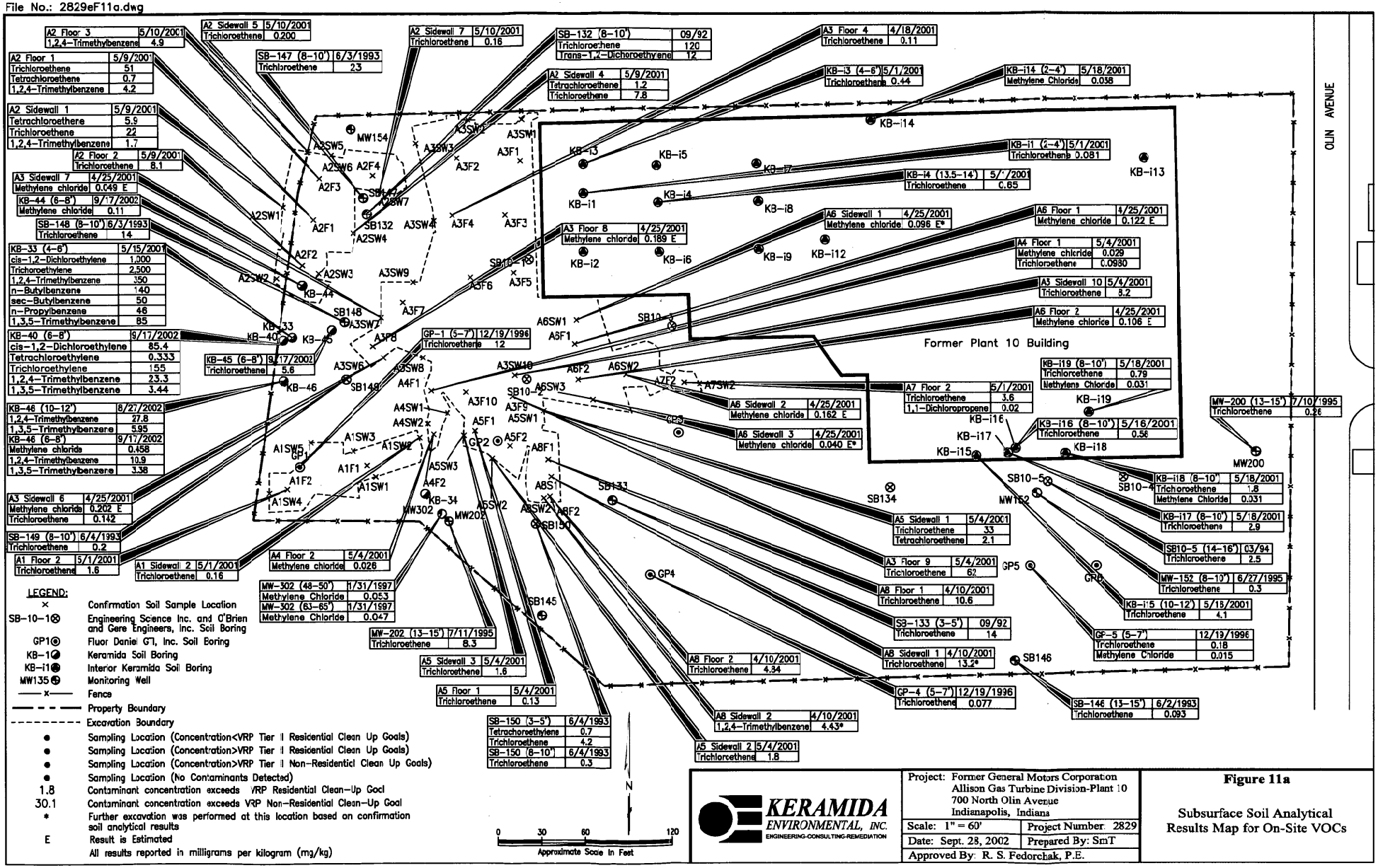
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 60'	Project Number: 2829
Date: Sept. 30, 2002	Prepared By: SmT
Approved By: R.S. Fedorchak, P.E.	

Figure 10c

Surface Soil
Analytical Results Map for Metals

File No.: 2829eF11a.dwg



KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

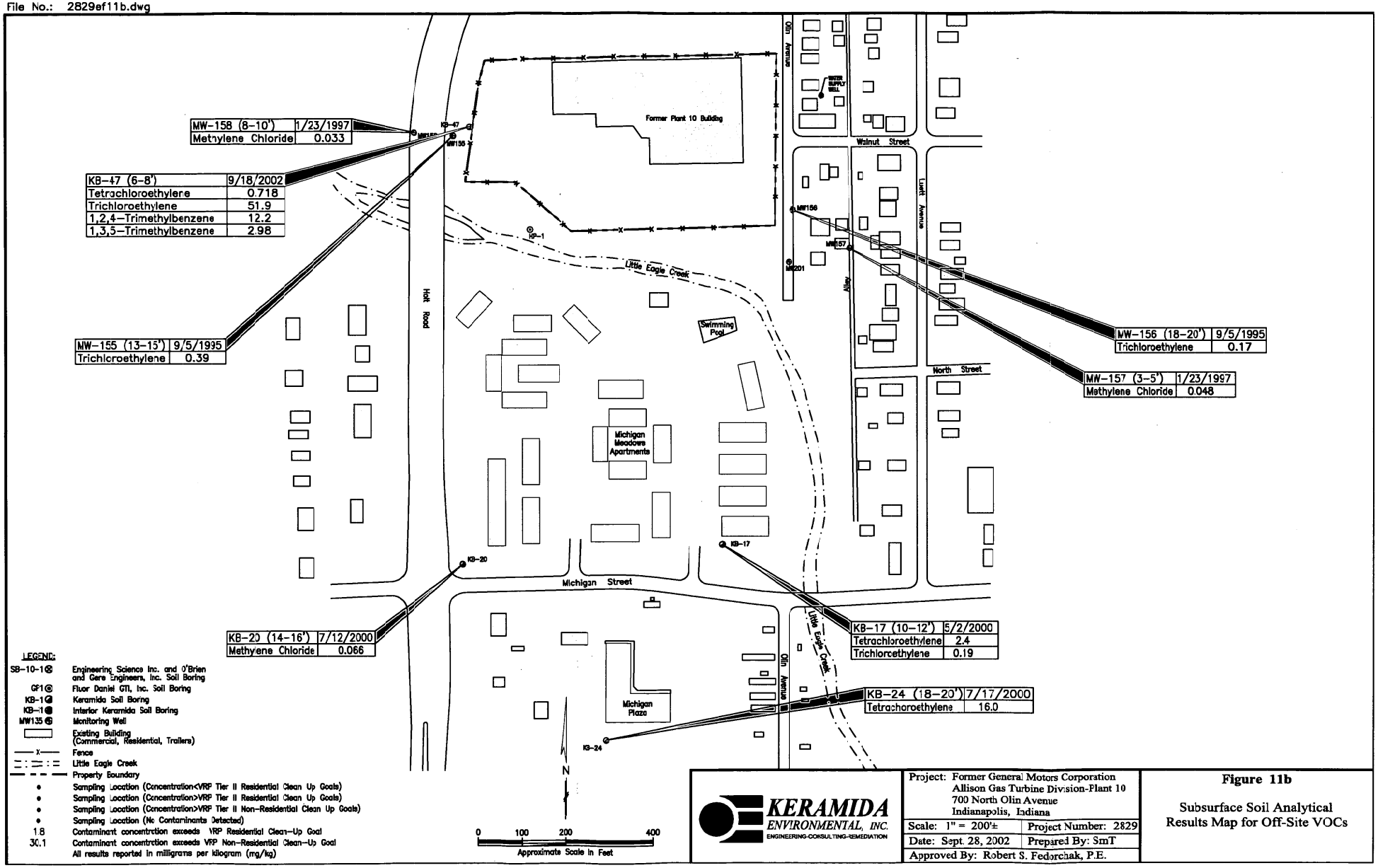
Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

Scale: 1" = 60' | Project Number 2829
Date: Sept. 28, 2002 | Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.

Figure 11a

Subsurface Soil Analytical Results Map for On-Site VOCs

File No.: 2829ef11b.dwg



KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

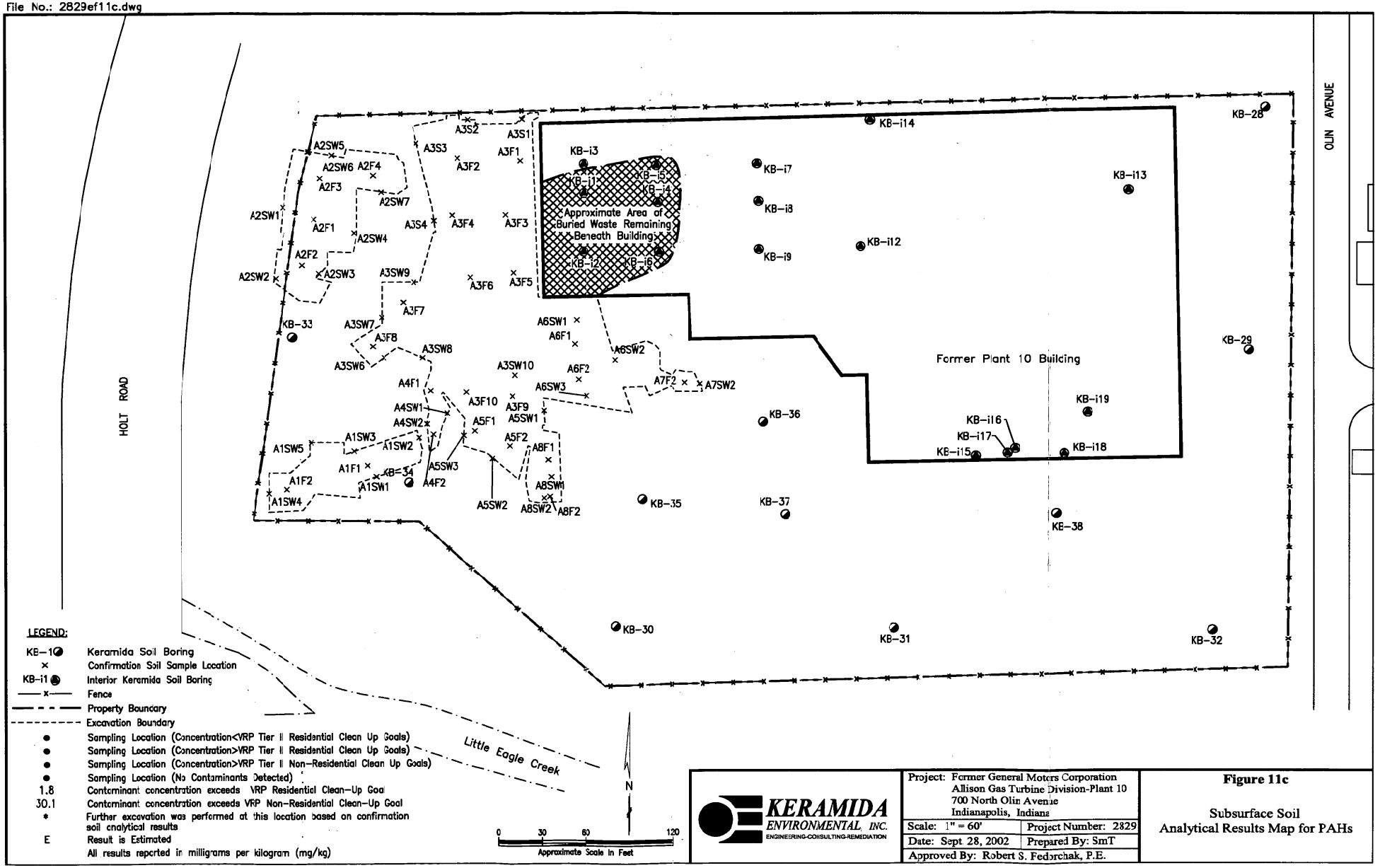
Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

Scale: 1" = 200'± | Project Number: 2829
Date: Sept. 28, 2002 | Prepared By: SmT
Approved By: Robert S. Fedorchak, P.E.

Figure 11b

Subsurface Soil Analytical Results Map for Off-Site VOCs

File No.: 2829ef11c.dwg



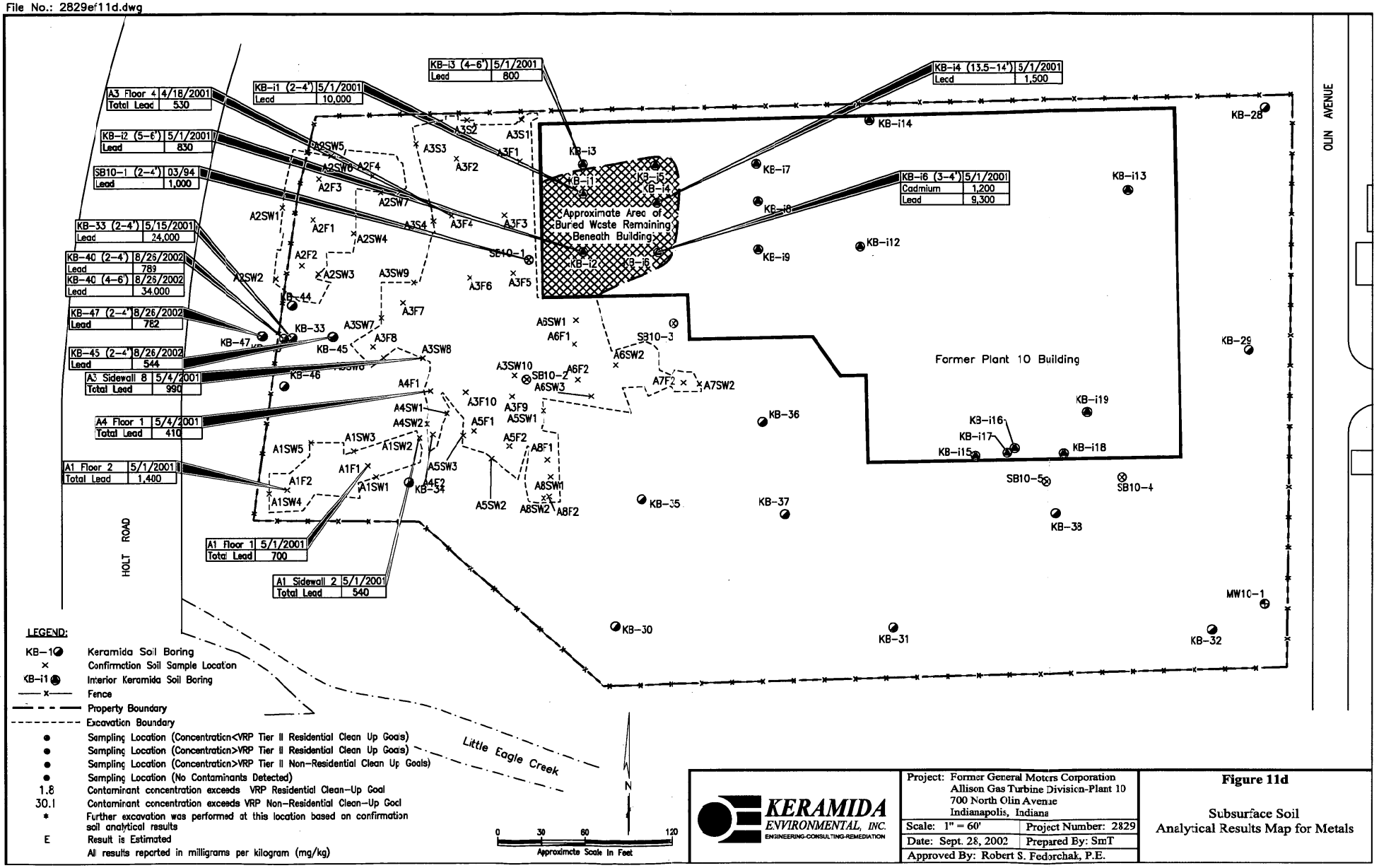
KERAMIDA ENVIRONMENTAL INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 60'	Project Number: 2829
Date: Sept 28, 2002	Prepared By: SmT
Approved By: Robert S. Fedorchak, P.E.	

Figure 11c

Subsurface Soil
Analytical Results Map for PAHs

File No.: 2829ef11d.dwg

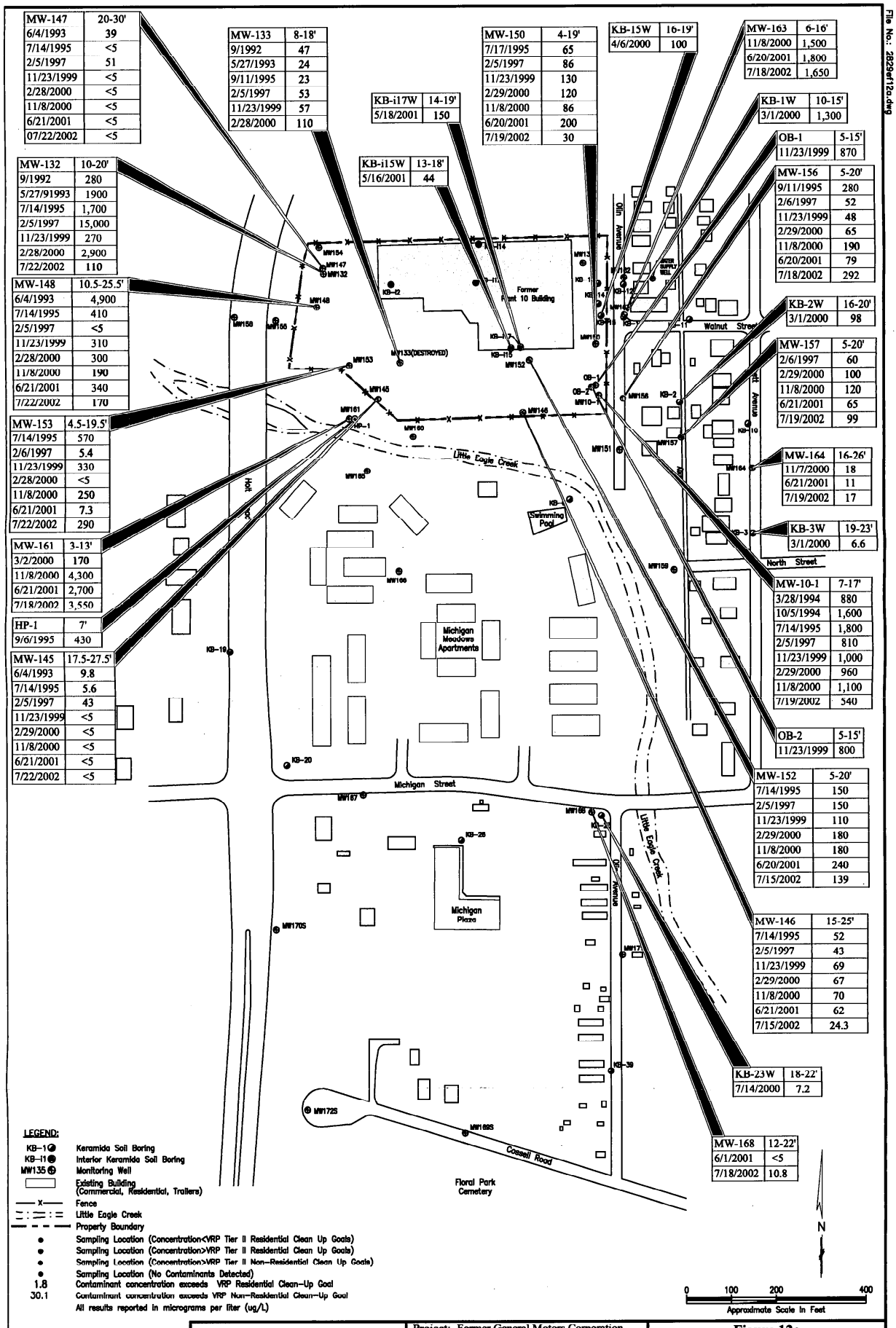


KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 60'	Project Number: 2829
Date: Sept. 28, 2002	Prepared By: SmT
Approved By: Robert S. Fedorchak, P.E.	

Figure 11d

Subsurface Soil
Analytical Results Map for Metals



File No.: 2829e12a.dwg

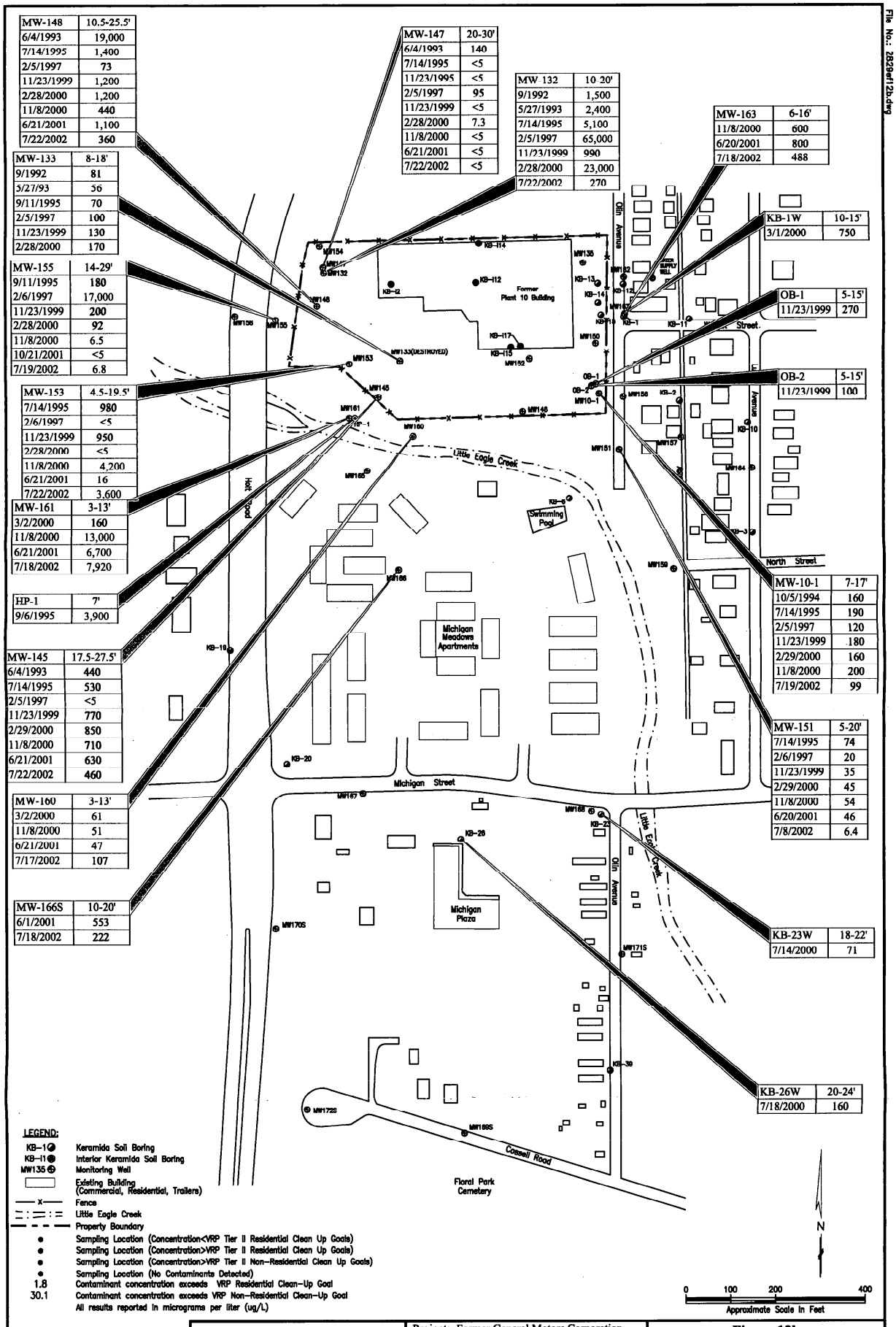
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

Scale: 1" = 200'± | Project Number: 2829
Date: Sept. 26, 2002 | Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.

Figure 12a

Shallow Groundwater Analytical Results Map for Trichloroethene



File No.: 2829wr12b.dwg

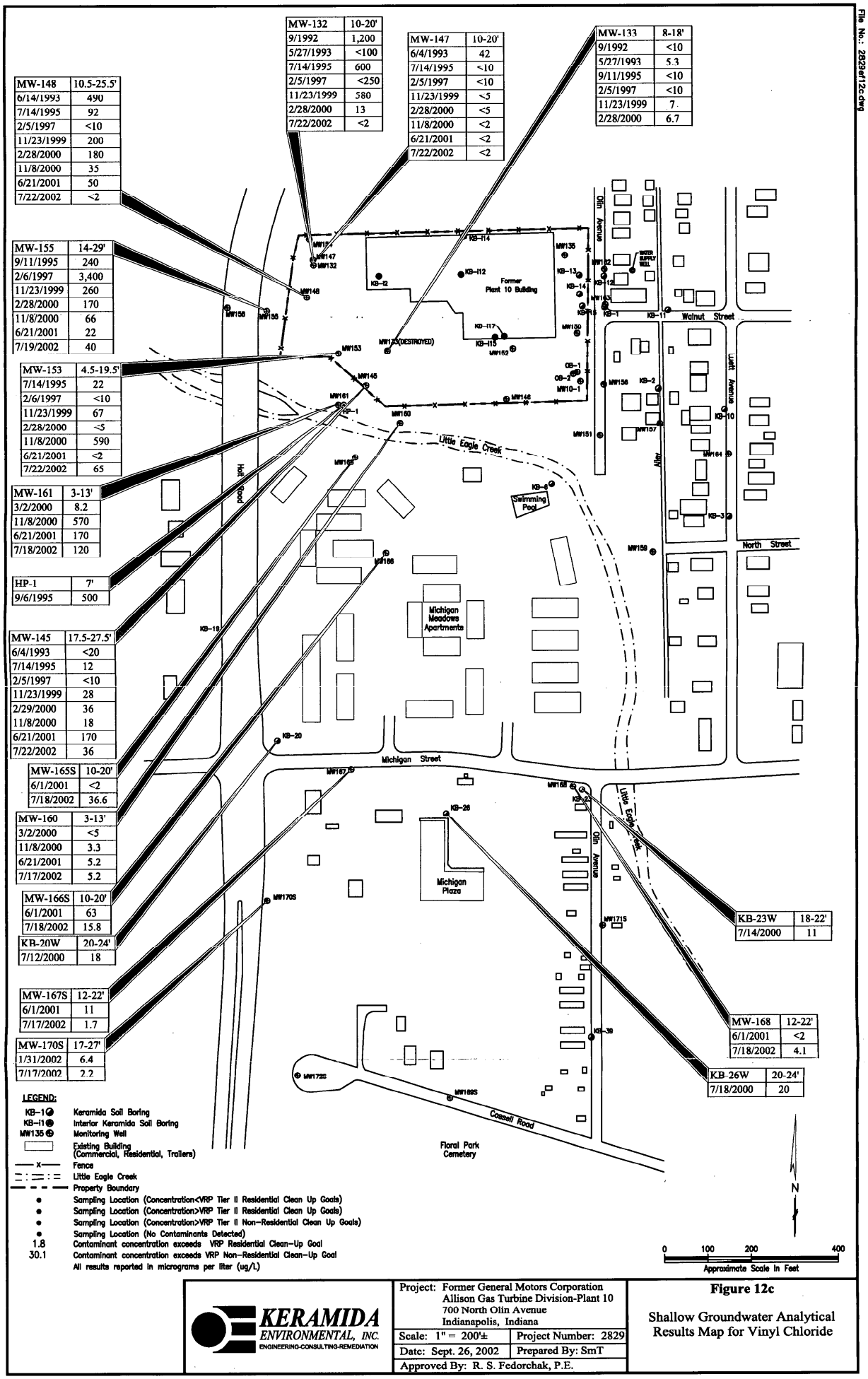
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

Scale: 1" = 200'± | Project Number: 2829
Date: Sept. 25, 2002 | Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.

Figure 12b

Shallow Groundwater Analytical Results Map for cis-1,2-Dichloroethene



File No.: 2829ef12c.dwg

KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

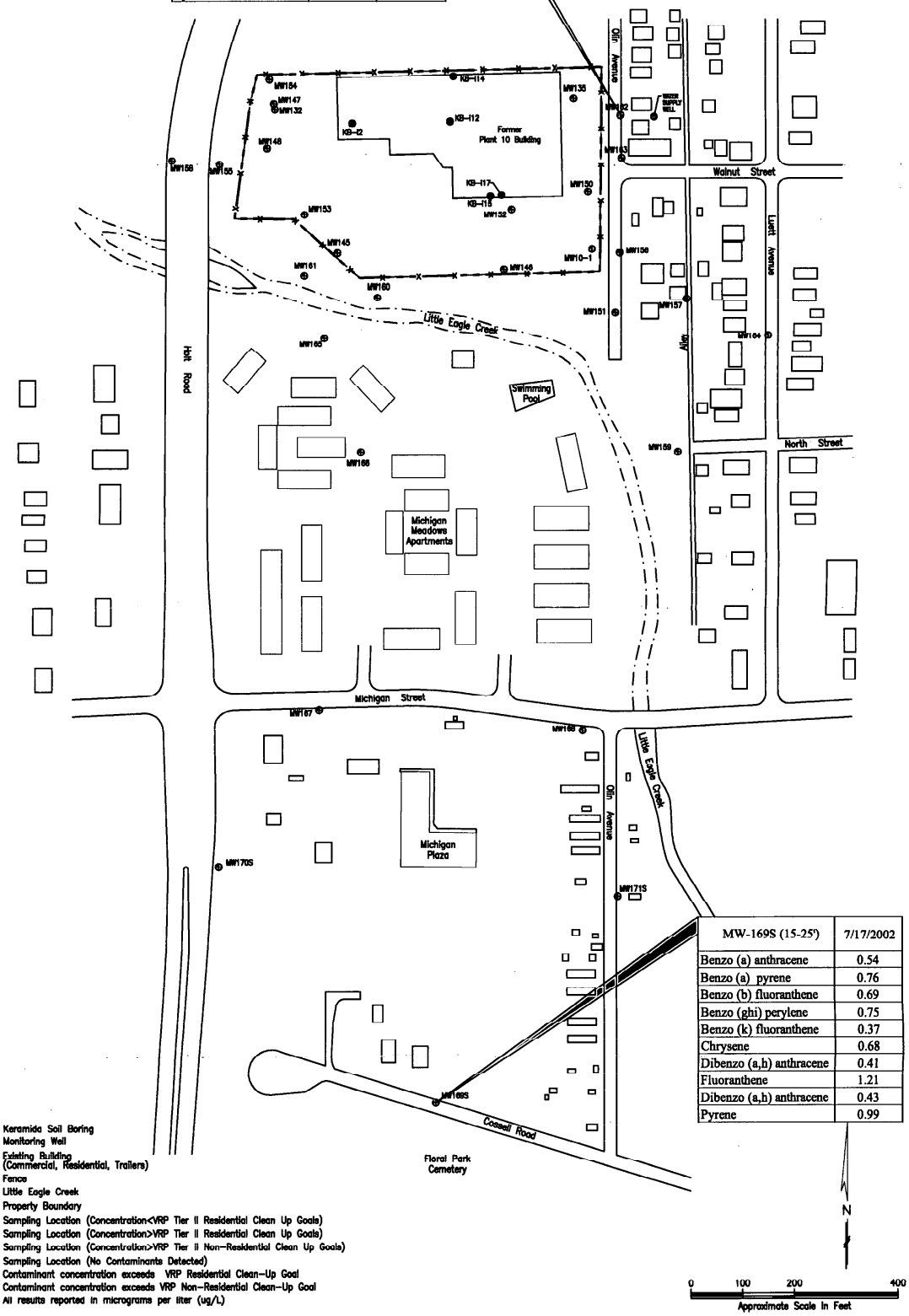
Scale: 1" = 200'±
Project Number: 2829
Date: Sept. 26, 2002
Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.

Figure 12c

Shallow Groundwater Analytical Results Map for Vinyl Chloride

File No.: 2829e12d.dwg

MW-162 (10-20')	6/20/2001 NA	7/18/2002 10-20'
Benzo (a) anthracene	0.27	0.14
Benzo (a) pyrene	0.32	0.23
Benzo (b) fluoranthene	0.46	0.24
Benzo (ghi) perylene	<0.76	0.22
Chrysene	0.43	<0.20
Dibenzo (a,h) anthracene	0.33	<0.10
Fluoranthene	<2.1	0.28
Indeno(1,2,3-cd)pyrene	0.35	<0.20
Pyrene	<2.7	0.26



MW-169S (15-25')	7/17/2002
Benzo (a) anthracene	0.54
Benzo (a) pyrene	0.76
Benzo (b) fluoranthene	0.69
Benzo (ghi) perylene	0.75
Benzo (k) fluoranthene	0.37
Chrysene	0.68
Dibenzo (a,h) anthracene	0.41
Fluoranthene	1.21
Dibenzo (a,h) anthracene	0.43
Pyrene	0.99

LEGEND:

- KB-1 — Keramida Soil Boring
- MW135 — Monitoring Well
- Existing Building (Commercial, Residential, Trailers)
- Fence
- Little Eagle Creek
- Property Boundary
- Sampling Location (Concentration<VRP Tier II Residential Clean Up Goals)
- Sampling Location (Concentration>VRP Tier II Residential Clean Up Goals)
- Sampling Location (Concentration>VRP Tier II Non-Residential Clean Up Goals)
- Sampling Location (No Contaminants Detected)
- 1.8 — Contaminant concentration exceeds VRP Residential Clean-Up Goal
- 30.1 — Contaminant concentration exceeds VRP Non-Residential Clean-Up Goal

All results reported in micrograms per liter (ug/L)

N

0 100 200 400

Approximate Scale in Feet

KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

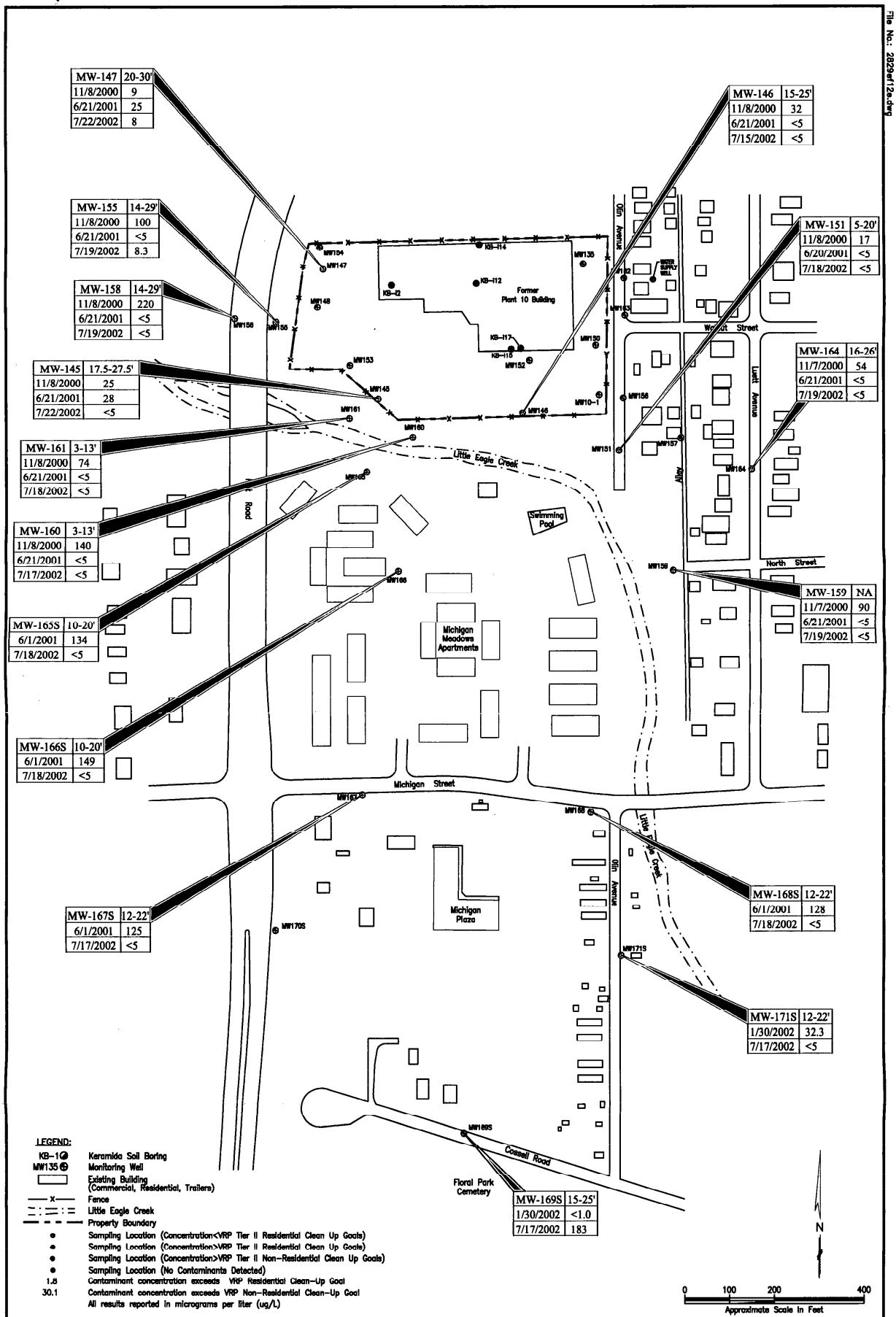
Scale: 1" = 200'± | Project Number: 2829

Date: Sept. 26, 2002 | Prepared By: SmT

Approved By: R. S. Fedorchak, P.E.

Figure 12d

Shallow Groundwater Analytical Results Map for PAHs

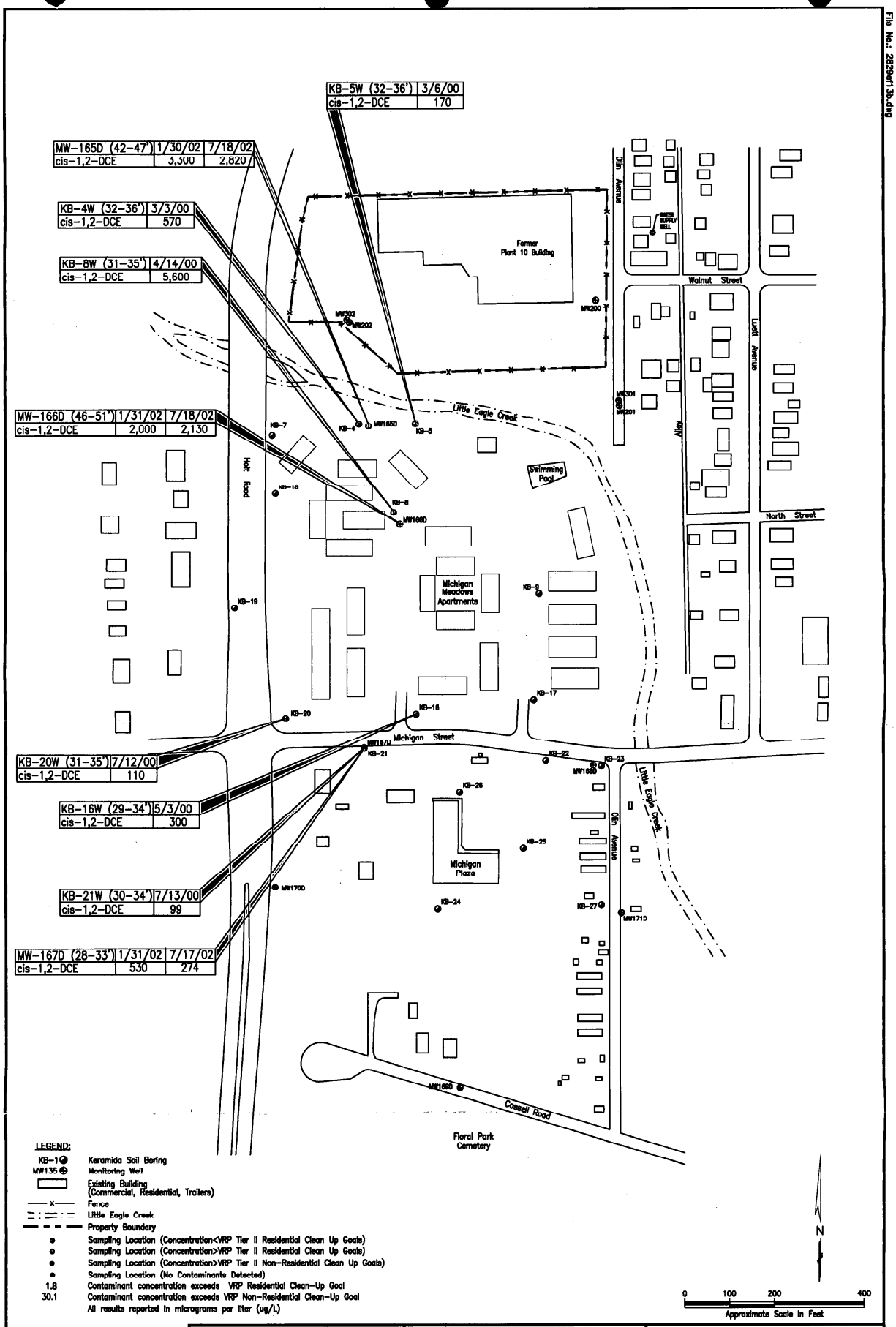


KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 26, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 12e

Shallow Groundwater Analytical Results Map for Lead



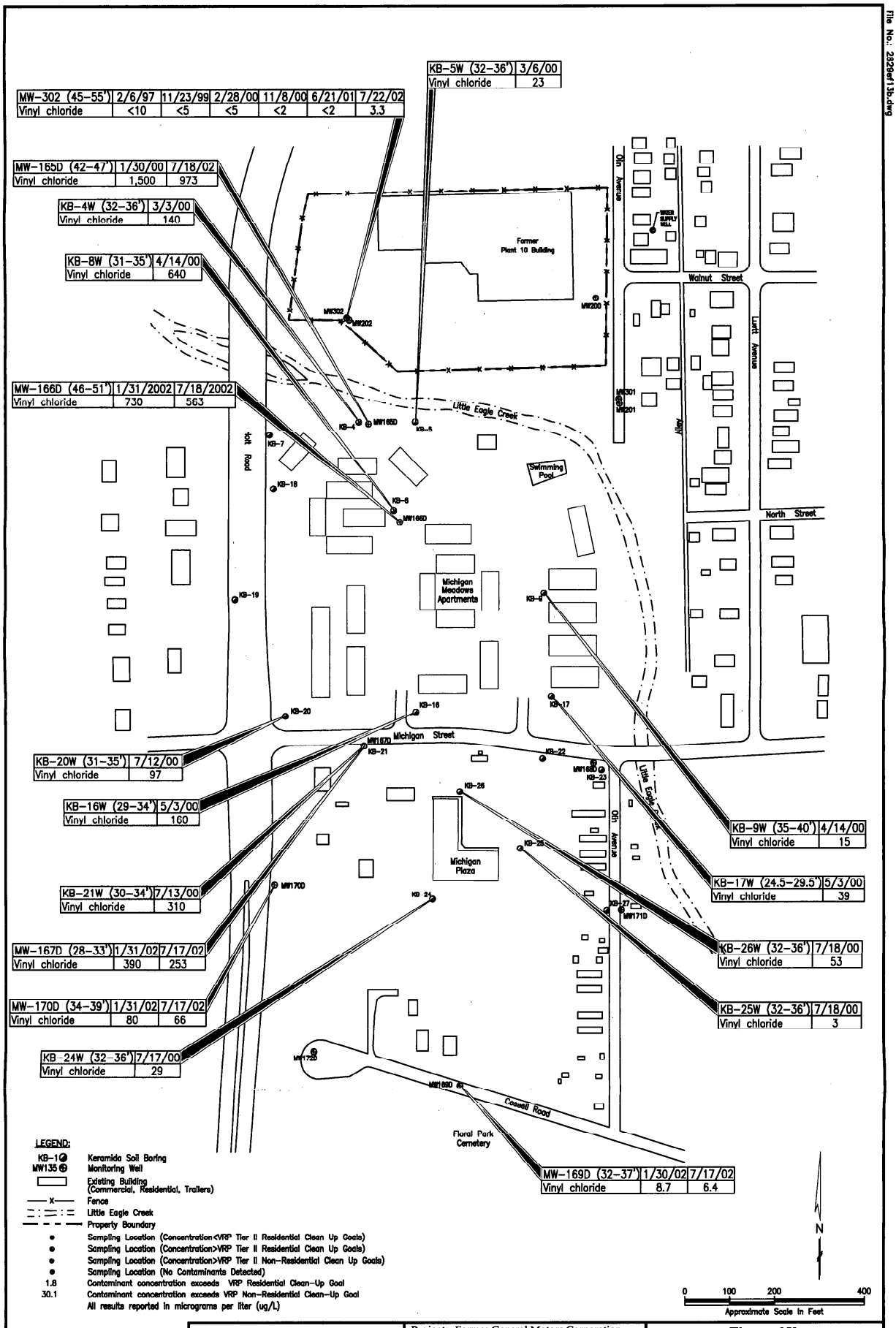
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING CONSULTING REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 13a

Deep Groundwater Analytical Results Map for cis-1,2-Dichloroethene

File No.: 2829er13b.dwg



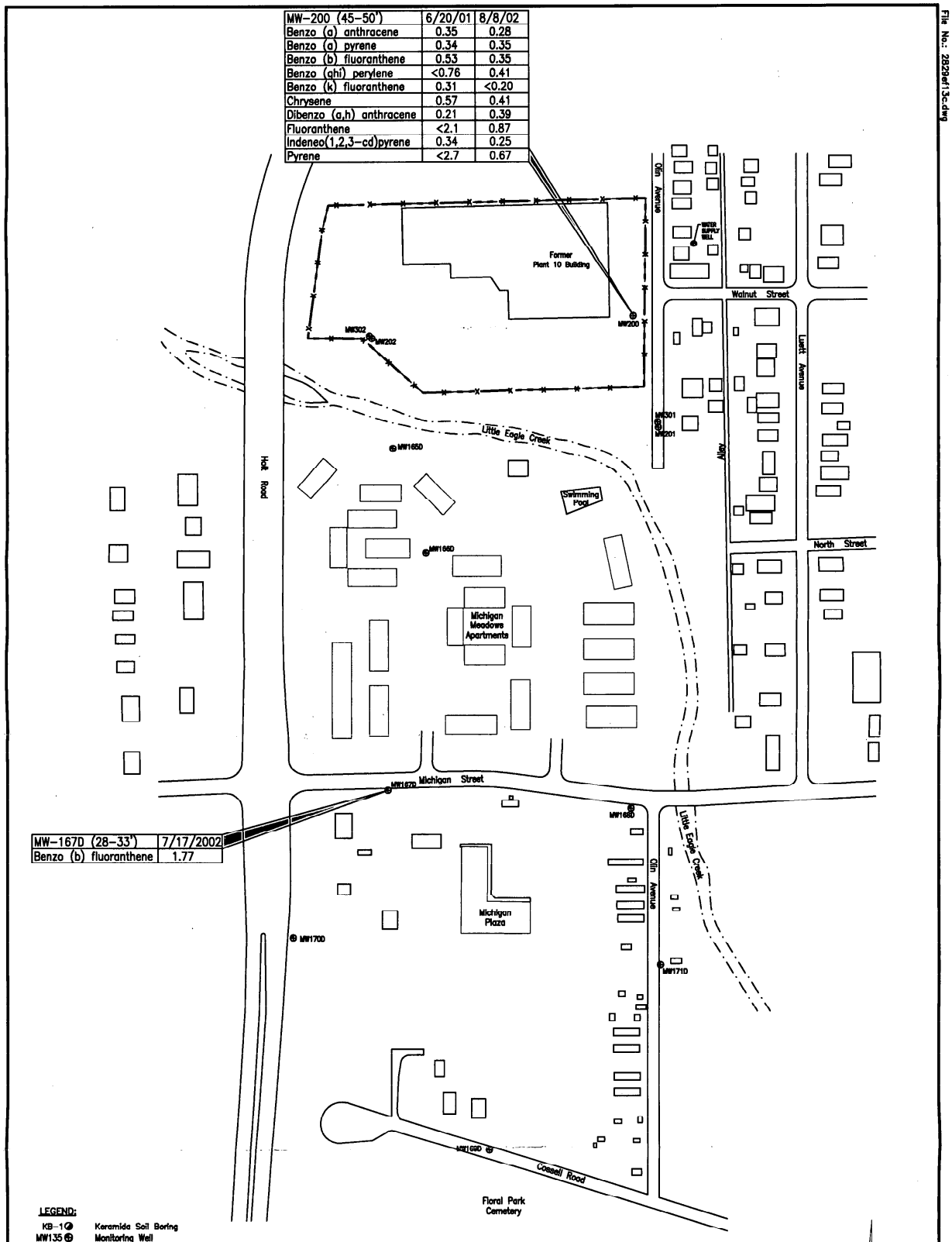
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 13b

Deep Groundwater Analytical Results Map for Vinyl Chloride

File No.: 2829ef13b.dwg



File No.: 2829ef13c.dwg

KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

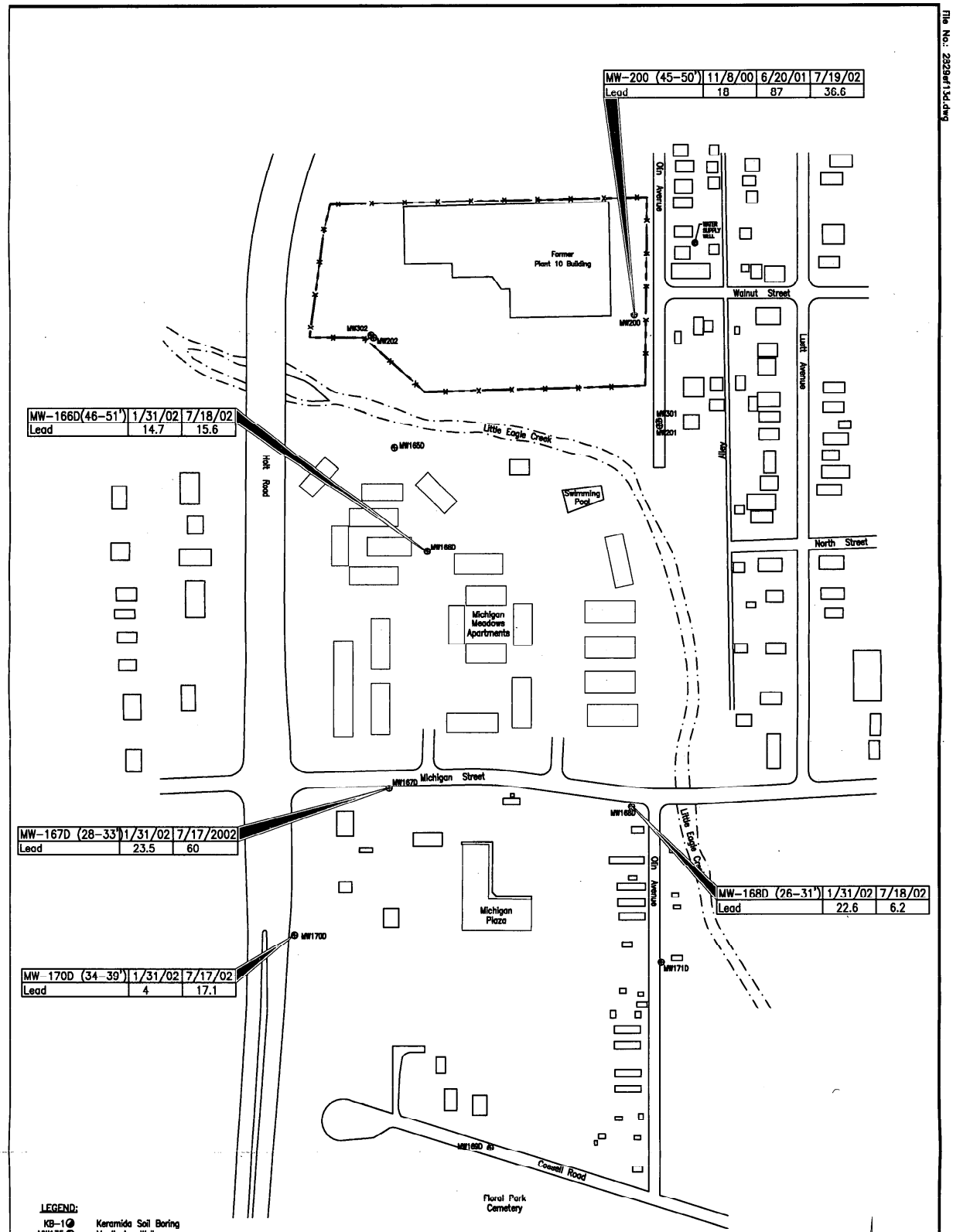
Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

Scale: 1" = 200'± | Project Number: 2829
Date: Sept. 25, 2002 | Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.

Figure 13c

Deep Groundwater Analytical Results Map for PAHs

File No.: 2829ef13d.dwg

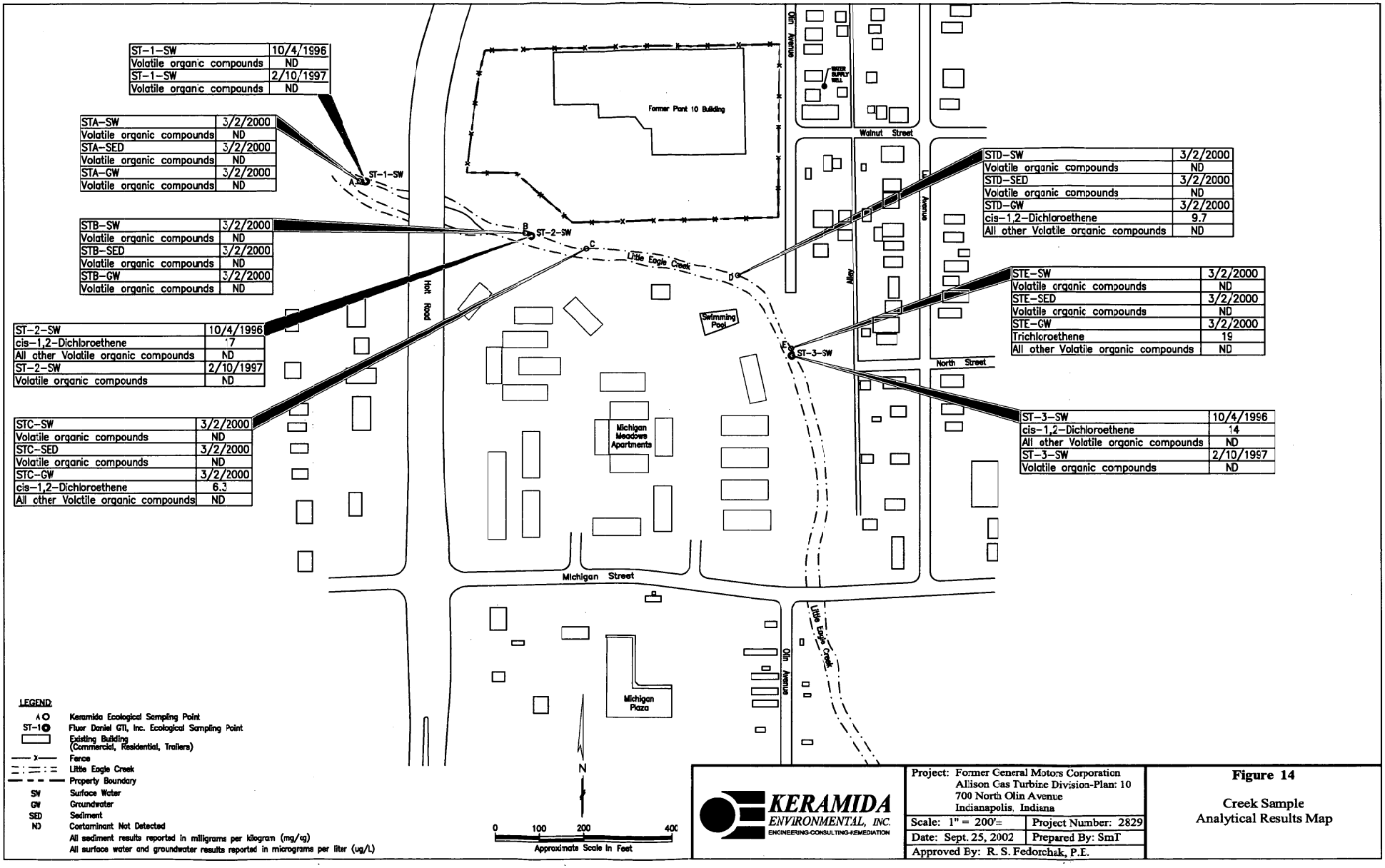


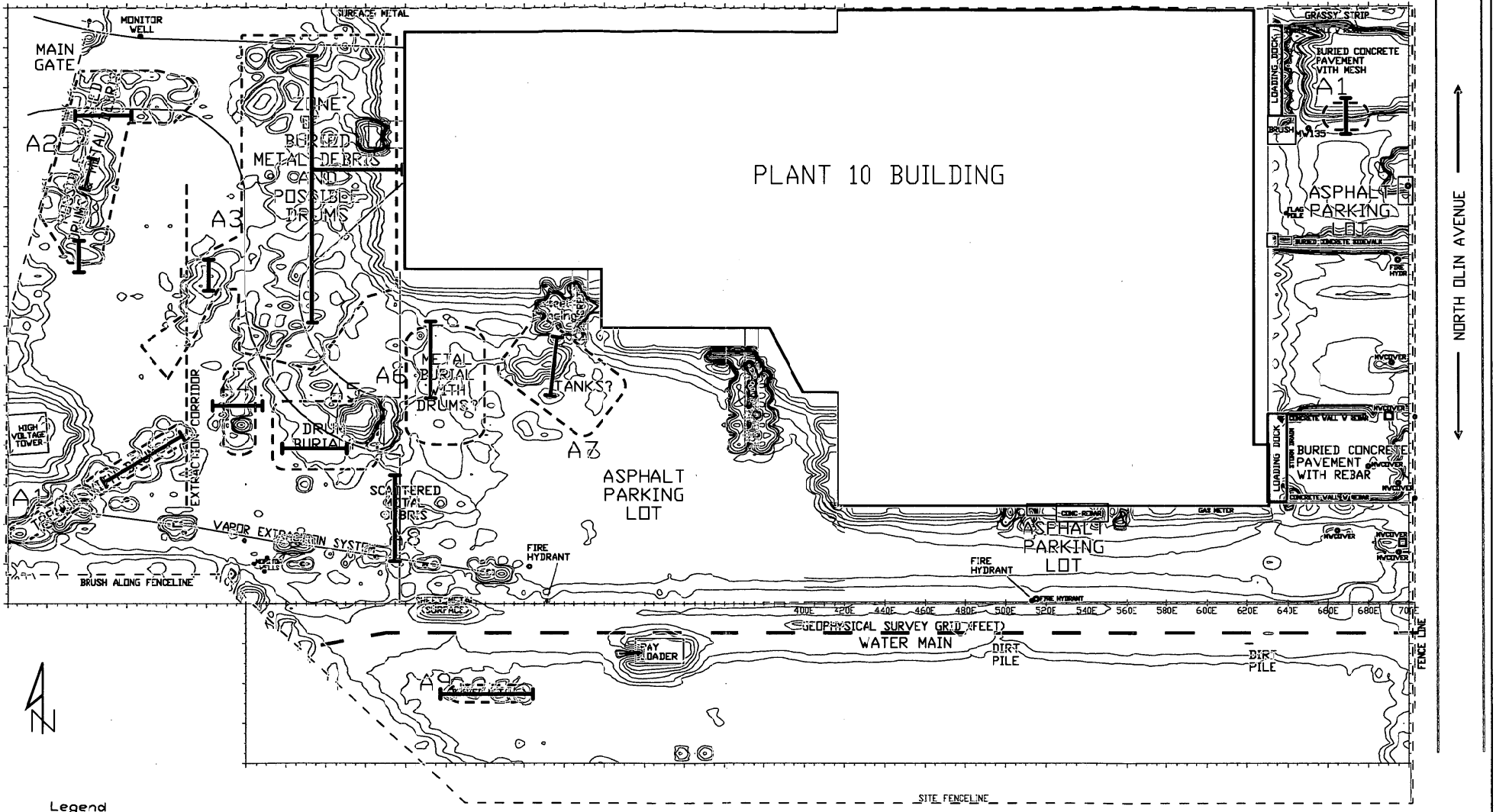
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 200'±	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.	

Figure 13d

Deep Groundwater Analytical Results Map for Lead


ST-1-SW
10/4/1996
Volatile organic compounds ND
ST-1-SW
2/10/1997
Volatile organic compounds ND
STA-SW 3/2/2000
Volatile organic compounds ND
STA-SED 3/2/2000
Volatile organic compounds ND
STA-GW 3/2/2000
Volatile organic compounds ND
STB-SW 3/2/2000
Volatile organic compounds ND
STB-SED 3/2/2000
Volatile organic compounds ND
STB-GW 3/2/2000
Volatile organic compounds ND
ST-2-SW
10/4/1996
cis-1,2-Dichloroethene 7
All other Volatile organic compounds ND
ST-2-SW
2/10/1997
Volatile organic compounds ND
STC-SW 3/2/2000
Volatile organic compounds ND
STC-SED 3/2/2000
Volatile organic compounds ND
STC-GW 3/2/2000
cis-1,2-Dichloroethene 6.3
All other Volatile organic compounds ND
STD-SW 3/2/2000
Volatile organic compounds ND
STD-SED 3/2/2000
Volatile organic compounds ND
STD-GW 3/2/2000
cis-1,2-Dichloroethene 9.7
All other Volatile organic compounds ND
STE-SW 3/2/2000
Volatile organic compounds ND
STE-SED 3/2/2000
Volatile organic compounds ND
STE-GW 3/2/2000
Trichloroethene 19
All other Volatile organic compounds ND
ST-3-SW
10/4/1996
cis-1,2-Dichloroethene 14
All other Volatile organic compounds ND
ST-3-SW
2/10/1997
Volatile organic compounds ND
Former Plant 10 Building
Water Supply Well
Walnut Street
North Street
Michigan Street
Holt Road
Olin Avenue
Alley
Swimming Pool
Michigan Meadows Apartments
Michigan Plaza
Little Eagle Creek
LEGEND:
Keramida Ecological Sampling Point
Fluor Daniel GTI, Inc. Ecological Sampling Point
Existing Building (Commercial, Residential, Trailers)
Fence
Little Eagle Creek
Property Boundary
SW Surface Water
GW Groundwater
SED Sediment
ND Contaminant Not Detected
All sediment results reported in milligrams per kilogram (mg/kg)
All surface water and groundwater results reported in micrograms per liter (ug/L)
N
0 100 200 400
Approximate Scale in Feet
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION
Project: Former General Motors Corporation
Allison Gas Turbine Division-Plan: 10
700 North Olin Avenue
Indianapolis, Indiana
Scale: 1" = 200'=
Project Number: 2829
Date: Sept. 25, 2002
Prepared By: SmT
Approved By: R. S. Fedorchak, P.E.
Figure 14
Creek Sample
Analytical Results Map



Legend

Geophysical Data Source: Geophysical Survey for buried materials at Allison Engine Company Plant 10 Site. Geosphere, Inc. September 2000

Test Trench

A7 Area of Geophysical Anomaly

-50 -30 -20 -10 -4 -2 2 4 10 20 30 40 60

EM31 INPHASE META. (parts per thousand)

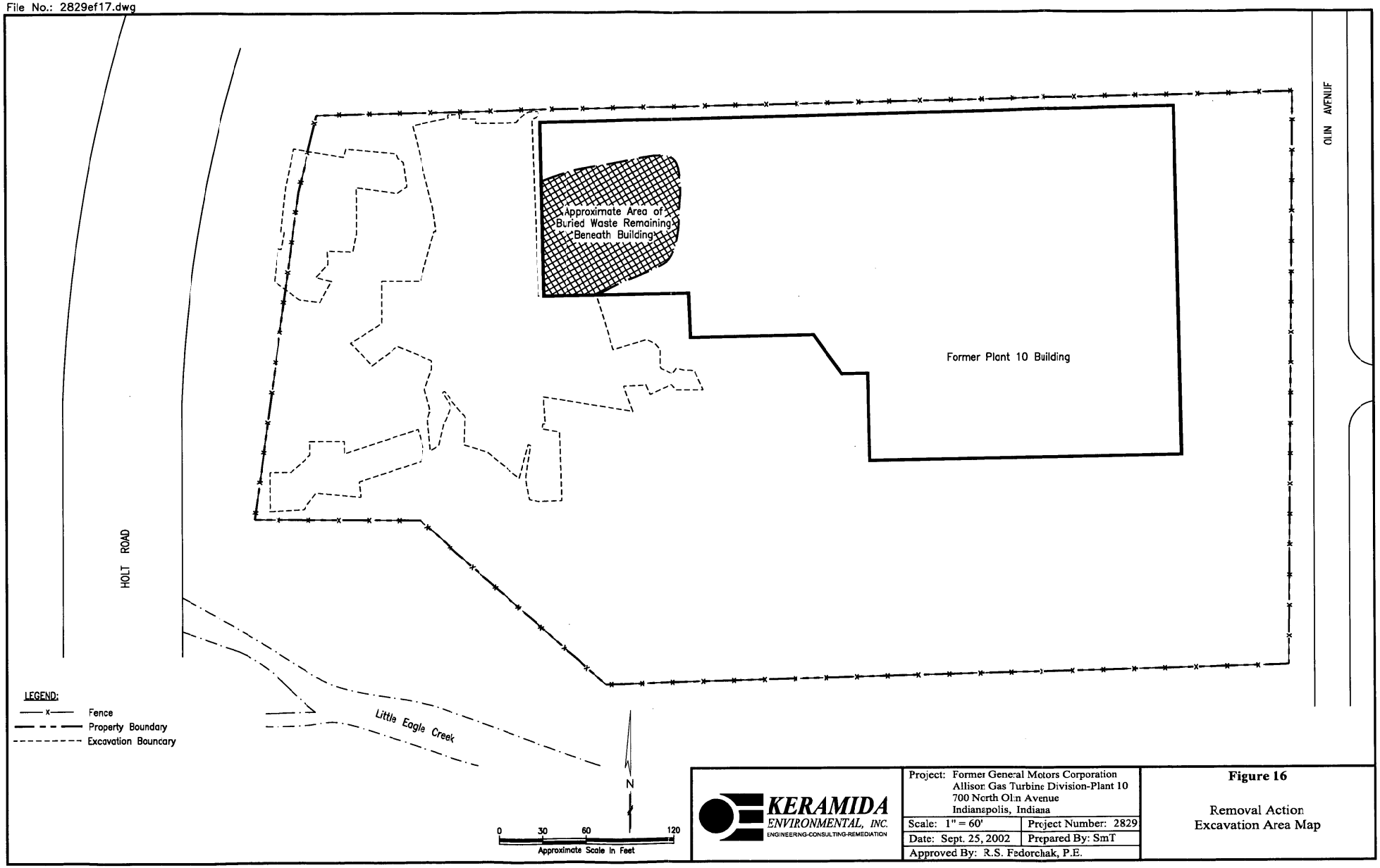
KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 100'	Project Number: 2829E
Date: Sept. 25, 2002	Prepared By: MHJ
Approved By: R.S. Fedorchak, P.E.	

Figure 15

Geophysical Anomalies and Test Trench Location Map

File No.: 2829ef17.dwg

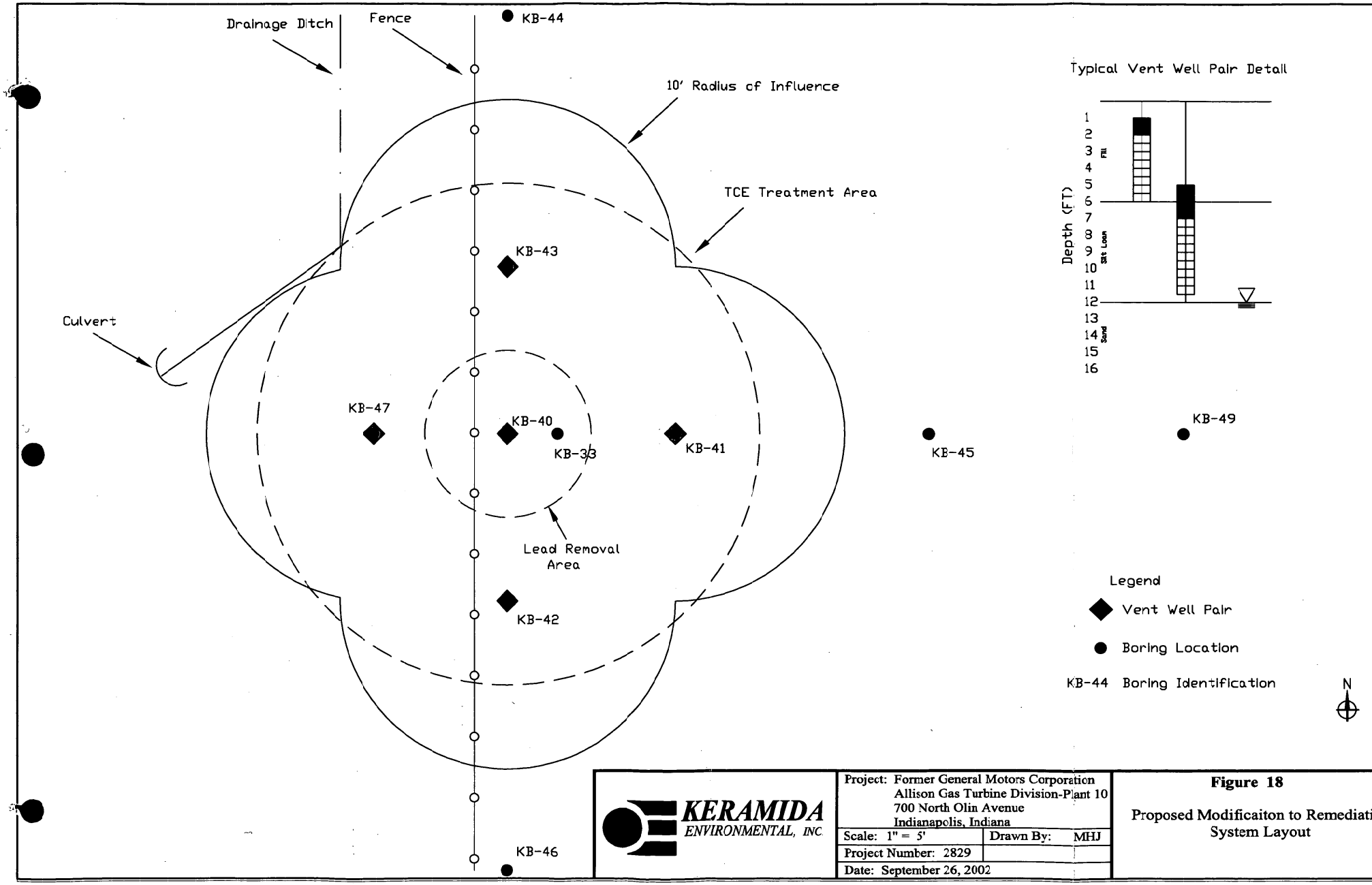


KERAMIDA ENVIRONMENTAL, INC.
ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 60'	Project Number: 2829
Date: Sept. 25, 2002	Prepared By: SmT
Approved By: R.S. Fedorchak, P.E.	

Figure 16

Removal Action
Excavation Area Map



KERAMIDA ENVIRONMENTAL, INC.

Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	
Scale: 1" = 5'	Drawn By: MHJ
Project Number: 2829	
Date: September 26, 2002	

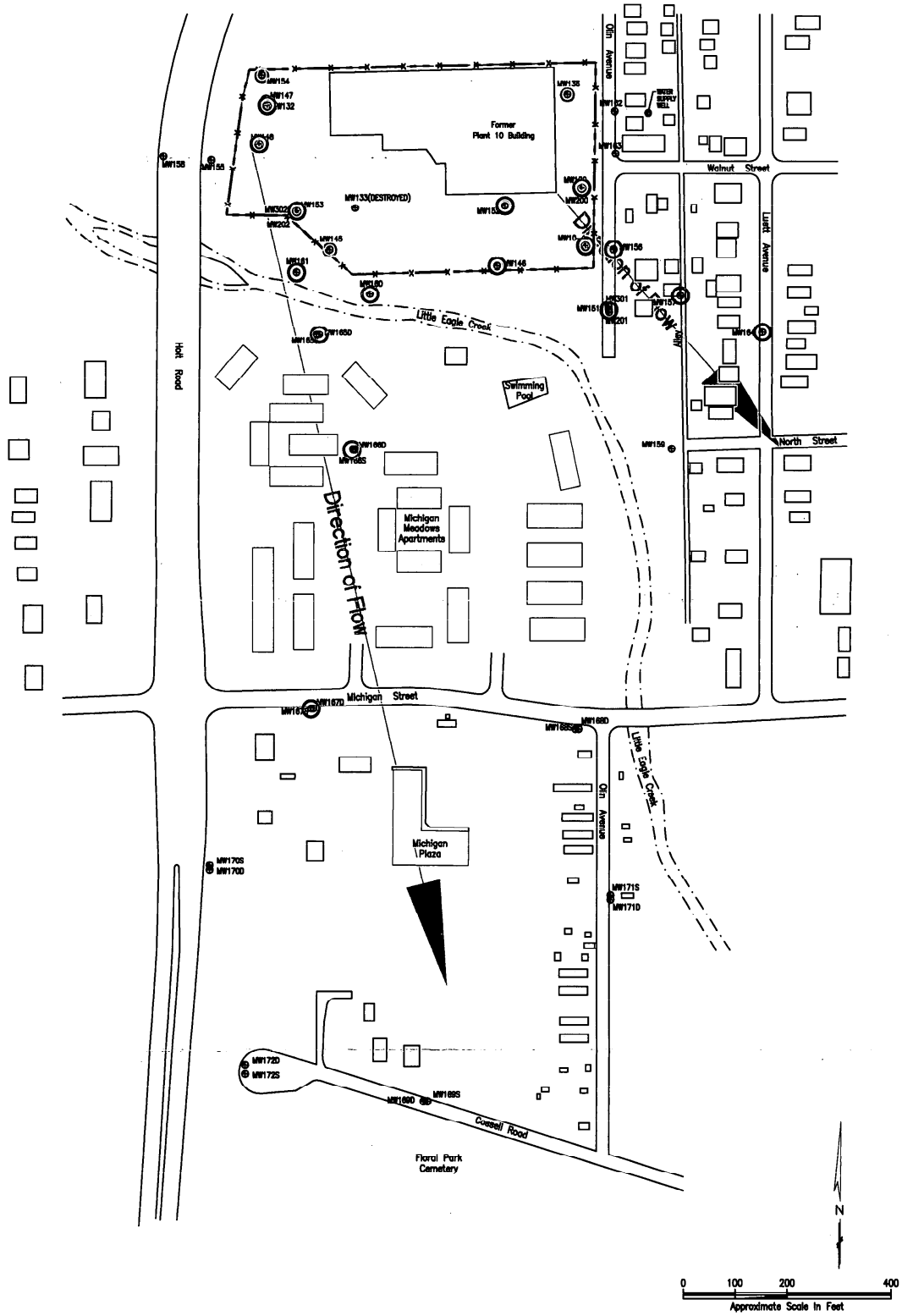
Figure 18

Proposed Modificaiton to Remediation System Layout

File No.: 2829GNEW.DWG

LEGEND:

- MW135 ⊕ Monitoring Well
- Existing Building (Commercial, Residential, Trailers)
- —x— Fence
- Little Eagle Creek
- Property Boundary
- Selective On-Site Groundwater Monitoring Locations
- On-Site Groundwater Monitoring Locations
- Western Source Plume Stability Groundwater Monitoring Locations
- Eastern Source Plume Stability Groundwater Monitoring Locations



KERAMIDA ENVIRONMENTAL, INC. ENGINEERING-CONSULTING-REMEDIATION	Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	**Figure 19** Proposed Groundwater Plan
	Scale: 1" = 200'± / Project Number: 2829	
	Date: Sept. 25, 2002 / Prepared By: SmT	
	Approved By: R. S. Fedorchak, P.E.	

Figure 20
Detailed Project Schedule
Former General Motors Corporation
Allison Gas Turbine Division Plant 10
Indianapolis, Indiana
IDEM VRP #6991004

| Task | Month: 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 |
|---|---|---

WATER LEVEL DATA SUMMARY

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
MW10-1	714.04	NA	7-17	707.04-697.04	07/14/95	14.07	699.97				
					09/11/95	14.25	699.79				
					02/05/97	12.75	701.29				
					11/22/99	14.53	699.51				
					02/28/00	14.37	699.67				
	713.71	712.30	7-17	706.71-696.71	11/07/00	14.62	699.09				
					06/21/01	NA	NA				
					07/24/01	14.40	699.31				
					01/30/02	14.25	699.46				
					07/19/02	13.45	700.26	699.82	699.09	701.29	2.20
MW-132	712.17	NA	10-20	702.17-692.17	07/14/95	11.39	700.78				
					09/11/95	11.49	700.68				
					02/05/97	10.25	701.92				
					02/26/97	11.17	701.00				
					11/22/99	12.15	700.02				
					02/28/00	10.76	701.41				
	712.19	712.70	10-20	702.19-692.19	11/07/00	dry	NA				
					06/21/01	NA	NA				
	712.22	712.57	10-20	702.22-692.22	07/24/01	11.72	700.50				
					01/30/02	11.97	700.25				
					07/22/02	11.98	700.24	700.76	700.02	701.92	1.90
MW-133	708.79	NA	8-18	700.79-690.79	09/11/95	8.84	699.95				
					02/05/97	7.29	701.50				
					11/22/99	8.34	700.45				
					02/28/00	8.61	700.18				
	708.83	709.10	8-18	700.83-690.83	11/07/00	NA	NA				
					06/21/01	NA	NA				
					07/24/01	NA	NA				
					01/30/02	NA	NA				
					NA	NA	NA	700.52	699.95	701.50	1.55

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
MW-135	713.69	NA	10-20	703.69-693.69	07/14/95	13.26	700.43				
					09/11/95	13.66	700.03				
					02/05/97	11.96	701.73				
					02/26/97	12.47	701.22				
					11/22/99	14.20	699.49				
					02/28/00	14.05	699.64				
	713.70	714.10	10-20	703.70-693.70	11/07/00	14.12	699.58				
					06/20/01	13.85	699.85				
					07/24/01	13.67	700.03				
					01/30/02	13.80	699.90				
					07/15/02	12.05	701.65	700.32	699.49	701.73	2.24
MW-145	707.90	NA	18-28	689.90-679.90	07/14/95	8.85	699.05				
					09/11/95	8.85	699.05				
					02/05/97	7.43	700.47				
					11/22/99	9.10	699.80				
					02/28/00	8.62	699.28				
	707.94	709.00	18-28	689.94-679.94	11/07/00	8.74	699.20				
					06/21/01	8.82	699.12				
	707.98	708.64	18-28	689.98-679.98	07/24/01	8.78	699.20				
					01/30/02	8.05	699.93				
					07/22/02	8.89	699.09	699.42	699.05	700.47	1.42
MW-146	708.67	NA	15-25	693.67-683.67	07/14/95	9.41	699.26				
					09/11/95	9.44	699.23				
					02/05/97	7.95	700.72				
					11/22/99	9.73	698.94				
					02/28/00	9.91	698.76				
	708.71	709.10	15-25	693.71-683.71	11/07/00	8.95	699.76				
					06/21/01	9.48	699.23				
					07/24/01	9.51	699.20				
					01/30/02	9.31	699.40				
					07/15/02	10.09	698.62	699.31	698.62	700.72	2.10

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
MW-147	711.88	NA	20-30	691.88-681.88	07/14/95	11.09	700.79				
					09/11/95	11.20	700.68				
					02/05/97	9.91	701.97				
					11/22/99	11.49	700.39				
					02/28/00	11.44	700.44				
	711.53	711.60	20-30	691.53-681.53	11/07/00	11.40	700.13				
					06/21/01	12.46	699.07				
	711.61	712.07	20-30	691.61-681.61	07/24/01	11.22	700.39				
					01/30/02	11.34	700.27				
					07/22/02	11.06	700.55	700.47	699.07	701.97	2.90
MW-148	711.00	NA	10.5-25.5	700.50-685.50	07/14/95	10.43	700.57				
					09/11/95	10.50	700.50				
					02/05/97	8.25	702.75				
					02/26/97	10.15	700.85				
					11/22/99	11.50	699.50				
					02/28/00	10.36	700.64				
	711.04	712.00	10.5-25.5	700.54-685.51	11/07/00	10.90	700.14				
					06/21/01	10.73	700.31				
	711.07	712.00	10.5-25.5	700.57-685.57	07/24/01	10.55	700.52				
					01/30/02	10.73	700.34				
					07/22/02	11.31	699.76	700.53	699.50	702.75	3.25
MW-150	712.93	NA	4-19	708.93-693.93	09/11/95	13.30	699.63				
					02/05/97	11.75	701.18				
					11/22/99	13.57	699.36				
					02/28/00	13.50	699.43				
	712.90	713.30	4-19	708.90-693.90	11/07/00	13.80	699.10				
					06/20/01	13.51	699.39				
	712.96	713.38	4-19	708.96-693.96	07/24/01	12.88	700.08				
					01/30/02	13.76	699.20				
					07/19/02	12.18	700.78	699.79	699.10	701.18	2.08

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
MW-151	712.96	NA	5-20	707.96-692.96	07/14/95	13.93	699.03				
					09/11/95	14.04	698.92				
					02/05/97	12.80	700.16				
					11/22/99	13.97	698.99				
					02/28/00	13.94	699.02				
	712.93	713.20	5-20	707.93-692.93	11/07/00	14.15	698.78				
					06/20/01	13.98	698.95				
					07/24/01	13.88	699.05				
					01/30/02	13.80	699.13				
					07/18/02	13.46	699.47	699.15	698.78	700.16	1.38
MW-152	713.06	NA	5-20	708.06-698.06	07/14/95	13.45	699.61				
					09/11/95	13.57	699.49				
					02/05/97	12.21	700.85				
					02/26/97	12.92	700.14				
					11/22/99	13.90	699.16				
					02/28/00	13.38	699.68				
	712.93	713.20	5-20	707.93-697-93	11/07/00	13.84	699.09				
					06/20/01	13.64	699.29				
					07/24/01	13.54	699.39				
					01/30/02	13.46	699.47				
					07/15/02	12.89	700.04	699.66	699.09	700.85	1.76
MW-153	711.64	NA	4.5-19.5	707.14-692.14	07/14/95	11.77	699.87				
					09/11/95	11.76	699.88				
					02/05/97	9.78	701.86				
					02/26/97	11.14	700.50				
					11/22/99	12.25	699.39				
					02/28/00	11.26	700.38				
	711.67	709.30	4.5-19.5	707.67-692.67	11/07/00	12.15	699.52				
					06/21/01	11.95	699.72				
					07/24/01	11.92	699.75				
					01/30/02	11.83	699.84				
					07/22/02	11.82	699.85	700.05	699.39	701.86	2.47

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
MW-154	714.22	NA	5-20	709.22-699.22	07/14/95	13.31	700.91				
					09/11/95	13.42	700.80				
					02/05/97	12.17	702.05				
					02/26/97	13.07	701.15				
					11/22/99	14.11	700.11				
					02/28/00	13.38	700.84				
	714.26	711.60	5-20	709.26-699.26	11/07/00	14.02	700.24				
					06/21/01	13.79	700.47				
					07/24/01	13.77	700.49				
					01/30/02	13.88	700.38				
					07/22/02	13.37	700.89	700.76	700.11	702.05	1.94
MW-155	717.52	NA	14-29	703.52-688.52	09/11/95	16.78	700.74				
					02/05/97	15.71	701.81				
					02/26/97	16.70	700.82				
					11/22/99	17.53	699.99				
					02/28/00	16.72	700.80				
	717.61	717.80	14-29	703.61-688.61	11/07/00	17.31	700.30				
					06/21/01	17.25	700.36				
					07/24/01	16.92	700.69				
					01/30/02	17.08	700.53				
					07/19/02	17.15	700.46	700.65	699.99	701.81	1.82
MW-156	711.69	NA	5-20	706.69-691.69	09/11/95	12.21	699.48				
					02/05/97	10.65	701.04				
					11/22/99	12.52	699.17				
					02/28/00	12.41	699.28				
	711.72	712.00	5-20	706.72-691.72	11/07/00	12.66	699.06				
					06/20/01	12.43	699.29				
					07/24/01	12.35	699.37				
					01/30/02	12.25	699.47				
					07/18/02	11.46	700.26	699.60	699.06	701.04	1.98

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
MW-157	711.30	NA	5-20	706.30-691.30	02/05/97	10.71	700.59				
					02/26/97	11.14	700.16				
					11/22/99	NA	NA				
					02/28/00	12.40	698.90				
	711.27	711.50	5-20	706.27-691.27	11/07/00	12.55	698.72				
					06/21/01	12.34	698.93				
					07/24/01	12.17	699.10				
					01/30/02	12.18	699.09				
					07/19/02	11.1	700.17	699.46	698.72	700.59	1.87
MW-158	720.05	NA	14-29	706.05-691.05	02/05/97	17.95	702.10				
					02/26/97	19.14	700.91				
					11/22/99	19.84	700.21				
					02/28/00	19.09	700.96				
	720.12	720.50	14-29	706.12-691.12	11/07/00	19.65	700.47				
					06/21/01	19.66	700.46				
					07/24/01	19.55	700.57				
					01/30/02	19.43	700.69				
					07/19/02	19.65	700.47	700.76	700.21	702.10	1.89
MW-159	710.00	710.40	NA	NA	02/28/00	11.19	698.81[3]				
					11/07/00	11.47	698.53				
					06/21/01	11.43	698.57				
					07/24/01	11.36	698.64				
					01/30/02	11.22	698.78				
					07/19/02	12.13	697.87	698.48	697.87	698.78	0.91
MW-160	701.1[4]	701.35[4]	3-13	698.10-688.10	11/07/00	2.17	698.93				
					06/21/01	1.95	699.15				
					07/24/01	2.16	698.94				
					01/30/02	1.78	699.32				
					07/17/02	2.31	698.79	699.03	698.79	699.32	0.53

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation[1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
MW-161	702.99[4]	703.38[4]	3-13	699.99-689.99	11/07/00	4.01	698.98				
					06/21/01	3.69	699.30				
					07/24/01	4.02	698.97				
					1/30/02	3.58	699.41				
					07/18/02	4.17	698.82	699.10	698.82	699.41	0.59
MW-162	712.95	713.43	10-20	702.95-692.95	11/07/00	13.57	699.38				
					06/20/01	13.25	699.70				
					07/24/01	13.08	699.87				
					01/30/02	13.06	699.89				
					07/18/02	11.82	701.13	699.99	699.38	701.13	1.75
MW-163	712.36	712.90	10-20	702.36-692.36	11/07/00	13.15	699.21				
					06/20/01	12.83	699.53				
					07/24/01	12.95	699.41				
					01/30/02	12.83	699.53				
					07/18/02	11.22	701.14	699.76	699.21	701.14	1.93
MW-164	718.56	719.35	16-26	702.56-692.56	11/07/00	19.87	695.69				
					06/21/01	19.67	698.89				
					07/24/01	19.47	696.09				
					01/30/02	19.45	699.11				
					07/19/02	17.97	700.59	698.07	695.69	700.59	4.90
MW-165S	712.54	712.88	10-20	702.54-692.54	06/21/01	13.80	698.74				
					07/24/01	13.71	698.83				
					01/30/02	13.52	699.02				
					07/18/02	13.82	698.72	698.83	698.72	699.02	0.30
MW-166S	712.99	713.38	10-20	702.99-692.99	07/24/01	14.32	698.67				
					01/30/02	14.32	698.67				
					07/18/02	14.41	698.58	698.64	698.58	698.67	0.09
MW-167S	716.25	716.55	12-22	704.25-694.25	06/21/01	17.99	698.26				
					07/24/01	17.81	698.44				
					01/30/02	17.90	698.35				
					07/17/02	17.74	698.51	698.39	698.26	698.51	0.25

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
MW-168S	715.71	716.12	12-22	703.71-693.71	06/21/01	17.66	698.05				
					07/24/01	17.60	698.11				
	714.79	715.06	12-22	703.06-693.06	01/30/02	17.06	697.73				
					7/18/02	17.39	697.4	697.82	697.40	698.11	0.71
MW-169S	715.95	716.25	15-25	700.95-690.95	01/30/02	19.75	696.20				
					07/17/02	18.91	697.04	696.62	696.20	697.04	0.84
MW-170S	717.40	717.77	17-27	700.40-690.40	01/30/02	20.45	696.95				
					07/17/02	19.35	698.05	697.50	696.95	698.05	1.10
MW-171S	711.83	712.19	12-22	699.83-689.83	01/30/02	15.29	696.54				
					7/17/02	15.02	696.81	696.68	696.54	696.81	0.27
MW-172S	716.23	716.58	15-25	701.58-691.58	09/04/02	20.45	695.78	695.78	695.78	695.78	0.00
MW-165D	712.34	712.78	42-47	670.34-665.34	01/30/02	13.33	699.01				
					07/18/02	13.66	698.68	698.85	698.68	699.01	0.33
MW-166D	712.76	713.04	46-51	666.76-661.76	01/30/02	14.10	698.66				
					07/18/02	14.08	698.68	698.67	698.66	698.68	0.02
MW-167D	716.25	716.60	28-33	688.25-683.25	01/30/02	17.90	698.35				
					07/17/02	17.73	698.52	698.44	698.35	698.52	0.17
MW-168D	714.71	715.09	26-31	688.71-683.71	01/30/02	17.00	697.71				
					07/18/02	17.27	697.44	697.58	697.44	697.71	0.27
MW-169D	715.23	716.23	32-37	683.23-678.23	01/30/02	19.65	695.58				
					07/17/02	18.82	696.41	696.00	695.58	696.41	0.83
MW-170D	717.34	717.76	34-39	683.34-678.34	01/30/02	20.40	696.94				
					07/17/02	19.29	698.05	697.50	696.94	698.05	1.11
MW-171D	711.88	712.15	44-49	667.88-662.88	01/30/02	15.73	696.15				
					07/17/02	15.16	696.72	696.44	696.15	696.72	0.57
MW-172D	716.03	716.53	33-38	683.53-678.53	09/04/02	20.17	695.86	695.86	695.86	695.86	0.00

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
MW-200	713.03	NA	45-50	668.03-663.03	07/14/95	14.20	698.83				
					02/05/97	11.96	701.07				
					11/22/99	13.87	699.16				
					02/28/00	13.53	699.50				
	713.00	713.20	45-50	668.00-663.00	11/07/00	13.95	699.05				
					06/20/01	13.71	699.29				
	713.06	713.28	45-50	668.06-663.06	07/24/01	13.63	699.43				
					01/30/02	13.48	699.58				
					07/19/02	12.69	700.37	699.59	698.83	701.07	2.24
MW-201	712.29	NA	36-38	676.29-674.29	07/14/95	13.15	699.14				
					09/11/95	12.99	699.30				
					02/05/97	11.65	700.64				
					02/26/97	12.12	700.17				
					11/22/99	12.13	700.16				
					02/28/00	13.14	699.15				
	712.25	713.20	36-38	676.25-674.25	11/07/00	13.08	699.17				
					06/20/01	12.94	699.31				
					07/24/01	14.12	698.13				
					01/30/02	12.08	700.17				
					07/18/02	12.62	699.63	699.54	698.13	700.64	2.51
MW-301	712.75	NA	45-50	667.75-662.75	02/05/97	11.75	701.00				
					11/22/99	13.77	698.98				
					02/28/00	13.50	699.25				
	712.75	713.20	45-50	667.75-662.75	11/07/00	13.76	698.99				
					06/20/01	13.57	699.18				
					07/24/01	13.59	699.16				
					01/30/02	13.31	699.44				
					07/18/02	12.78	699.97	699.50	698.98	701.00	2.02
							Average GW Elevation - Upper Sand Unit:	698.90			
							Minimum GW Elevation - Upper Sand Unit:		695.58		
							Maximum GW Elevation - Upper Sand Unit:			702.75	
							Average GW Fluctuation - Upper Sand Unit:				1.40
							Historic GW Elevation Range - Upper Sand Unit:				7.17

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)

Lower Silty Clay Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
MW-202	711.88	NA	33-35	678.88-676.88	07/14/95	22.78	689.10				
					09/11/95	12.33	699.55				
					02/05/97	11.20	700.68				
					02/26/97	12.29	699.59				
					11/22/99	12.07	699.81				
					02/28/00	11.96	699.92				
	711.86	709.30	33-35	678.86-676.86	11/07/00	12.68	699.18				
					06/21/01	12.46	699.40				
					07/24/01	12.36	699.50				
					01/30/02	12.39	699.47				
					07/22/02	12.28	699.58	699.67	699.18	700.68	1.50
MW-302	711.54	NA	45-55	666.54-656.54	02/05/97	11.26	700.28				
					02/26/97	12.33	699.21				
					11/22/99	13.26	698.28				
					02/28/00	12.70	698.84				
	711.60	709.60	45-55	666.60-656.60	11/07/00	13.00	698.60				
					06/21/01	12.99	698.61				
					07/24/01	12.82	698.78				
					01/30/02	12.61	698.99				
					07/22/02	12.9	698.7	698.92	698.28	700.28	2.00
							Average GW Elevation - Lower Silty Clay Unit:	699.29			
							Minimum GW Elevation - Lower Silty Clay Unit:		698.28		
							Maximum GW Elevation - Lower Silty Clay Unit:			700.68	
							Average GW Fluctuation - Lower Silty Clay Unit:				1.75
							Historic GW Elevation Range - Lower Silty Clay Unit:				2.40

Table 1
Water Level Data Summary
Former Genuine Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Upper Sand Unit Monitoring Wells

Monitoring Well ID	TOC Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)

Little Eagle Creek Stream Gauge

Monitoring Well ID	Gauge Elevation [1] (feet amsl)	Ground Elevation[1] (feet amsl)	Screen Interval (feet bgs)	Screen Depth (feet amsl)	Date	Reading (feet)	SW Elevation (feet amsl)	Average GW Elevation (feet amsl)	Minimum GW Elevation (feet amsl)	Maximum GW Elevation (feet amsl)	GW Fluctuation (feet)
Holt	702.23[5]	NA	NA	NA	11/22/99	NA	702.25				
					02/28/00	NA	NA				
					11/07/00	NA	NA				
					06/21/01	NA	NA				
					07/24/01	2.95	699.28				
					01/30/02	0.30	701.93	701.15	699.28	702.25	2.97
Olin	701.43[5]	NA	NA	NA	11/22/99	NA	701.39				
					02/28/00	NA	NA				
					11/07/00	NA	NA				
					06/21/01	NA	NA				
					07/24/01	2.74	698.69				
					01/30/02	0.65	700.78	700.29	698.69	701.39	2.70
							Average SW Elevation:	700.72			
							Minimum SW Elevation:		698.69		
							Maximum SW Elevation:			702.25	
							SW Fluctuation:				3.56

NA Information is not available
[1]For wells surveyed more than once, subsequent survey information is listed with the first gauging event following the survey.
[2]Top of Casing elevation not available. Water depth calculated from ground elevation.
[3]Survey Data from 11-7-00 was used to calculate the groundwater elevation
[4]Survey data from 3-6-02 was used to calculate all groundwater and screen elevations
[5]Elevation of three foot mark on stream gauge, surveyed 3-6-02
BGS - below ground surface
DTW - depth to water
GW - groundwater
SW - surface water
TOC - top of well casing

CALCULATED VERTICAL HYDRAULIC GRADIENTS

Table 2
Calculated Vertical Hydraulic Gradients
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Date	Well ID	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Mid-screen Elevation (ft)	Groundwater Elevation (ft)	Mid-screen Distance (ft)	Groundwater Elevation Difference (ft)	Vertical Gradient
2/5/97	MW-150	708.93	693.93	701.43	701.18	35.90	-0.11	-0.0031
	MW-200	668.03	663.03	665.53	701.07			
11/22/99	MW-150	708.93	693.93	701.43	699.36	35.90	-0.20	-0.0056
	MW-200	668.03	663.03	665.53	699.16			
2/28/00	MW-150	708.93	693.93	701.43	699.43	35.90	0.07	0.0019
	MW-200	668.03	663.03	665.53	699.50			
11/7/00	MW-150	708.90	693.90	701.40	699.10	35.90	-0.05	-0.0014
	MW-200	668.00	663.00	665.50	699.05			
6/20/01	MW-150	708.90	693.90	701.40	699.39	35.90	-0.10	-0.0028
	MW-200	668.00	663.00	665.50	699.29			
7/24/01	MW-150	708.96	693.96	701.46	700.08	35.90	-0.65	-0.0181
	MW-200	668.06	663.06	665.56	699.43			
1/30/02	MW-150	708.96	693.96	701.46	699.20	35.90	0.38	0.0106
	MW-200	668.06	663.06	665.56	699.58			
7/19/02	MW-150	708.96	693.96	701.46	700.78	35.90	-0.41	-0.0114
	MW-200	668.06	663.06	665.56	700.37			
7/14/95	MW-151	707.96	692.96	700.46	699.03	25.17	0.11	0.0044
	MW-201	676.29	674.29	675.29	699.14			
9/11/95	MW-151	707.96	692.96	700.46	698.92	25.17	0.38	0.0151
	MW-201	676.29	674.29	675.29	699.30			
2/5/97	MW-151	707.96	692.96	700.46	700.16	25.17	0.48	0.0191
	MW-201	676.29	674.29	675.29	700.64			
11/22/99	MW-151	707.96	692.96	700.46	698.99	25.17	1.17	0.0465
	MW-201	676.29	674.29	675.29	700.16			
2/28/00	MW-151	707.96	692.96	700.46	699.02	25.17	0.13	0.0052
	MW-201	676.29	674.29	675.29	699.15			
11/7/00	MW-151	707.93	692.93	700.43	698.78	25.18	0.39	0.0155
	MW-201	676.25	674.25	675.25	699.17			

Table 2
Calculated Vertical Hydraulic Gradients
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Date	Well ID	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Mid-screen Elevation (ft)	Groundwater Elevation (ft)	Mid-screen Distance (ft)	Groundwater Elevation Difference (ft)	Vertical Gradient
6/20/01	MW-151	707.93	692.93	700.43	698.95	25.18	0.36	0.0143
	MW-201	676.25	674.25	675.25	699.31			
7/24/01	MW-151	707.93	692.93	700.43	699.05	25.18	-0.92	-0.0365
	MW-201	676.25	674.25	675.25	698.13			
1/30/02	MW-151	707.93	692.93	700.43	699.13	25.18	1.04	0.0413
	MW-201	676.25	674.25	675.25	700.17			
7/18/02	MW-151	707.93	692.93	700.43	699.47	25.18	0.16	0.0064
	MW-201	676.25	674.25	675.25	699.63			
2/5/97	MW-151	707.96	692.96	700.46	700.16	35.21	0.84	0.0239
	MW-301	667.75	662.75	665.25	701.00			
11/22/99	MW-151	707.96	692.96	700.46	698.99	35.21	-0.01	-0.0003
	MW-301	667.75	662.75	665.25	698.98			
2/28/00	MW-151	707.96	692.96	700.46	699.02	35.21	0.23	0.0065
	MW-301	667.75	662.75	665.25	699.25			
11/7/00	MW-151	707.93	692.93	700.43	698.78	35.18	0.21	0.0060
	MW-301	667.75	662.75	665.25	698.99			
6/20/01	MW-151	707.93	692.93	700.43	698.95	35.18	0.23	0.0065
	MW-301	667.75	662.75	665.25	699.18			
7/24/01	MW-151	707.93	692.93	700.43	699.05	35.18	0.11	0.0031
	MW-301	667.75	662.75	665.25	699.16			
1/30/02	MW-151	707.93	692.93	700.43	699.13	35.18	0.31	0.0088
	MW-301	667.75	662.75	665.25	699.44			
7/1/02	MW-151	707.93	692.93	700.43	699.47	35.18	0.50	0.0142
	MW-301	667.75	662.75	665.25	699.97			
2/5/97	MW-201	676.29	674.29	675.29	700.64	10.04	0.36	0.0359
	MW-301	667.75	662.75	665.25	701.00			

Table 2
Calculated Vertical Hydraulic Gradients
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Date	Well ID	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Mid-screen Elevation (ft)	Groundwater Elevation (ft)	Mid-screen Distance (ft)	Groundwater Elevation Difference (ft)	Vertical Gradient
11/22/99	MW-201	676.29	674.29	675.29	700.16	10.04	-1.18	-0.1175
	MW-301	667.75	662.75	665.25	698.98			
2/28/00	MW-201	676.29	674.29	675.29	699.15	10.04	0.10	0.0100
	MW-301	667.75	662.75	665.25	699.25			
11/7/00	MW-201	676.25	674.25	675.25	699.17	10.00	-0.18	-0.0180
	MW-301	667.75	662.75	665.25	698.99			
6/20/01	MW-201	676.25	674.25	675.25	699.31	10.00	-0.13	-0.0130
	MW-301	667.75	662.75	665.25	699.18			
7/24/01	MW-201	676.25	674.25	675.25	698.13	10.00	1.03	0.1030
	MW-301	667.75	662.75	665.25	699.16			
1/30/02	MW-201	676.25	674.25	675.25	700.17	10.00	-0.73	-0.0730
	MW-301	667.75	662.75	665.25	699.44			
7/18/02	MW-201	676.25	674.25	675.25	699.63	10.00	0.34	0.0340
	MW-301	667.75	662.75	665.25	699.97			
7/14/95	MW-153	707.14	692.14	699.64	699.87	21.76	-10.77	-0.4949
	MW-202	678.88	676.88	677.88	689.10			
9/11/95	MW-153	707.14	692.14	699.64	699.88	21.76	-0.33	-0.0152
	MW-202	678.88	676.88	677.88	699.55			
2/5/97	MW-153	707.14	692.14	699.64	701.86	21.76	-1.18	-0.0542
	MW-202	678.88	676.88	677.88	700.68			
2/26/97	MW-153	707.14	692.14	699.64	700.50	21.76	-0.91	-0.0418
	MW-202	678.88	676.88	677.88	699.59			
11/22/99	MW-153	707.14	692.14	699.64	699.39	21.76	0.42	0.0193
	MW-202	678.88	676.88	677.88	699.81			
2/28/00	MW-153	707.14	692.14	699.64	700.38	21.76	-0.46	-0.0211
	MW-202	678.88	676.88	677.88	699.92			
11/7/00	MW-153	707.67	692.67	700.17	699.52	22.31	-0.34	-0.0152
	MW-202	678.86	676.86	677.86	699.18			

Table 2
Calculated Vertical Hydraulic Gradients
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Date	Well ID	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Mid-screen Elevation (ft)	Groundwater Elevation (ft)	Mid-screen Distance (ft)	Groundwater Elevation Difference (ft)	Vertical Gradient
6/21/00	MW-153	707.67	692.67	700.17	699.72	22.31	-0.32	-0.0143
	MW-202	678.86	676.86	677.86	699.40			
7/24/01	MW-153	707.67	692.67	700.17	699.75	22.31	-0.25	-0.0112
	MW-202	678.86	676.86	677.86	699.50			
1/30/02	MW-153	707.67	692.67	700.17	699.84	22.31	-0.37	-0.0166
	MW-202	678.86	676.86	677.86	699.47			
7/22/02	MW-153	707.67	692.67	700.17	699.85	22.31	-0.27	-0.0121
	MW-202	678.86	676.86	677.86	699.58			
2/5/97	MW-153	707.14	692.14	699.64	701.86	38.10	-1.58	-0.0415
	MW-302	666.54	656.54	661.54	700.28			
2/26/97	MW-153	707.14	692.14	699.64	700.50	38.10	-1.29	-0.0339
	MW-302	666.54	656.54	661.54	699.21			
11/22/99	MW-153	707.14	692.14	699.64	699.39	38.10	-1.11	-0.0291
	MW-302	666.54	656.54	661.54	698.28			
2/28/00	MW-153	707.14	692.14	699.64	700.38	38.10	-1.54	-0.0404
	MW-302	666.54	656.54	661.54	698.84			
11/7/00	MW-153	707.67	692.67	700.17	699.52	38.57	-0.92	-0.0239
	MW-302	666.60	656.60	661.60	698.60			
6/21/00	MW-153	707.67	692.67	700.17	699.72	38.57	-1.11	-0.0288
	MW-302	666.60	656.60	661.60	698.61			
7/24/01	MW-153	707.67	692.67	700.17	699.75	38.57	-0.97	-0.0251
	MW-302	666.60	656.60	661.60	698.78			
1/30/02	MW-153	707.67	692.67	700.17	699.84	38.57	-0.85	-0.0220
	MW-302	666.60	656.60	661.60	698.99			
7/22/02	MW-153	707.67	692.67	700.17	699.85	38.57	-1.15	-0.0298
	MW-302	666.60	656.60	661.60	698.70			

Table 2
Calculated Vertical Hydraulic Gradients
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Date	Well ID	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Mid-screen Elevation (ft)	Groundwater Elevation (ft)	Mid-screen Distance (ft)	Groundwater Elevation Difference (ft)	Vertical Gradient
2/5/97	MW-202	678.88	676.88	677.88	700.68	16.34	-0.40	-0.0245
	MW-302	666.54	656.54	661.54	700.28			
2/26/97	MW-202	678.88	676.88	677.88	699.59	16.34	-0.38	-0.0233
	MW-302	666.54	656.54	661.54	699.21			
11/22/99	MW-202	678.88	676.88	677.88	699.81	16.34	-1.53	-0.0936
	MW-302	666.54	656.54	661.54	698.28			
2/28/00	MW-202	678.88	676.88	677.88	699.92	16.34	-1.08	-0.0661
	MW-302	666.54	656.54	661.54	698.84			
11/7/00	MW-202	678.86	676.86	677.86	699.18	16.26	-0.58	-0.0357
	MW-302	666.60	656.60	661.60	698.60			
6/21/00	MW-202	678.86	676.86	677.86	699.40	16.26	-0.79	-0.0486
	MW-302	666.60	656.60	661.60	698.61			
7/24/01	MW-202	678.86	676.86	677.86	699.50	16.26	-0.72	-0.0443
	MW-302	666.60	656.60	661.60	698.78			
1/30/02	MW-202	678.86	676.86	677.86	699.47	16.26	-0.48	-0.0295
	MW-302	666.60	656.60	661.60	698.99			
7/22/02	MW-202	678.86	676.86	677.86	699.58	16.26	-0.88	-0.0541
	MW-302	666.60	656.60	661.60	698.70			
1/30/02	MW-165S	702.54	692.54	697.54	699.02	29.70	-0.01	-0.0003
	MW-165D	670.34	665.34	667.84	699.01			
7/18/02	MW-165S	702.54	692.54	697.54	698.72	29.70	-0.04	-0.0013
	MW-165D	670.34	665.34	667.84	698.68			
1/30/02	MW-166S	702.99	692.99	697.99	698.67	33.73	-0.01	-0.0003
	MW-166D	666.76	661.76	664.26	698.66			
7/18/02	MW-166S	702.99	692.99	697.99	698.58	33.73	0.10	0.0030
	MW-166D	666.76	661.76	664.26	698.68			

Table 2
Calculated Vertical Hydraulic Gradients
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Date	Well ID	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Mid-screen Elevation (ft)	Groundwater Elevation (ft)	Mid-screen Distance (ft)	Groundwater Elevation Difference (ft)	Vertical Gradient
1/30/02	MW-167S	704.25	694.25	699.25	698.35	13.50	0.00	0.0000
	MW-167D	688.25	683.25	685.75	698.35			
7/17/02	MW-167S	704.25	694.25	699.25	698.52	13.50	-1.12	-0.0830
	MW-167D	688.25	683.25	685.75	697.40			
1/30/02	MW-168S	703.06	693.06	698.06	697.73	11.85	-0.02	-0.0017
	MW-168D	688.71	683.71	686.21	697.71			
7/18/02	MW-168S	703.06	693.06	698.06	697.40	11.85	0.04	0.0034
	MW-168D	688.71	683.71	686.21	697.44			
1/30/02	MW-169S	700.95	690.95	695.95	696.20	15.22	-0.62	-0.0407
	MW-169D	683.23	678.23	680.73	695.58			
7/17/02	MW-169S	700.95	690.95	695.95	697.04	15.22	-0.63	-0.0414
	MW-169D	683.23	678.23	680.73	696.41			

Table 2
Calculated Vertical Hydraulic Gradients
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Date	Well ID	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Mid-screen Elevation (ft)	Groundwater Elevation (ft)	Mid-screen Distance (ft)	Groundwater Elevation Difference (ft)	Vertical Gradient
1/30/02	MW-170S	700.40	690.40	695.40	696.95	14.56	-0.01	-0.0007
	MW-170D	683.34	678.34	680.84	696.94			
7/17/02	MW-170S	700.40	690.40	695.40	698.05	14.56	0.00	0.0000
	MW-170D	683.34	678.34	680.84	698.05			
1/30/02	MW-171S	699.83	689.83	694.83	696.54	29.45	-0.39	-0.0132
	MW-171D	667.88	662.88	665.38	696.15			
7/17/02	MW-171S	699.83	689.83	694.83	696.81	29.45	-0.09	-0.0031
	MW-171D	667.88	662.88	665.38	696.72			
9/4/02	MW-172S	701.58	691.58	696.58	695.78	15.55	0.08	0.0051
	MW-172D	683.53	678.53	681.03	695.86			

CALCULATED HORIZONTAL HYDRAULIC GRADIENTS

Table 3
Calculated Horizontal Hydraulic Gradients
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Gauging Date	Well Type	Contour Interval	Groundwater Elevation Difference (ft)	Horizontal Distance Between Contour Lines (ft)	Horizontal Gradient
February 28, 2000	Shallow	699-701	2.00	76.90	0.0260
		699-701	2.00	500.00	0.0040
November 7, 2000	Shallow	699-700	1.00	153.85	0.0065
		699-700	1.00	884.61	0.0011
June 21, 2001	Shallow	698-700	2.00	1038.46	0.0019
		698-700	2.00	1192.31	0.0017
July 24, 2001	Shallow	699-701	2.00	153.85	0.0130
		699-701	2.00	280.77	0.0071
January 30, 2002	Shallow	697-700	3.00	1069.23	0.0028
		697-700	3.00	1392.31	0.0022
July 15-22, 2002	Shallow	697-700	3.00	653.85	0.0046
		697-700	3.00	2307.69	0.0013
				Average:	0.0060
January 30, 2002	Deep	696-699	3.00	1169.23	0.0026
		696-699	3.00	1207.69	0.0025
July 15-22, 2002	Deep	697-701	4.00	1192.31	0.0034
		697-701	4.00	1823.07	0.0022
				Average:	0.0026

SURFACE SOIL ANALYTICAL RESULTS FOR VOCs

Table 4a
Surface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane (Methyl Bromide)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
KB-i13	5/16/01	0-2	293160	<0.120	<0.300	<0.300	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
KB-i14	5/18/01	0-2	293308	<0.120	<0.300	<0.300	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061
KB-i15	5/16/01	0-2	293163	<0.110	<0.260	<0.260	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
KB-i16	5/16/01	1.5-2	293168	<0.110	<0.280	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
KB-i17	5/18/01	0-2	293303	<0.110	<0.280	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
KB-i17 Dup	5/18/01	0-2	293304	<0.110	<0.280	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
KB-i18	5/18/01	0-2	293305	<0.110	<0.270	<0.270	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
KB-i18 Dup	5/18/01	0-2	293306	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
KB-i19	5/18/01	0-2	293307	<0.120	<0.290	<0.290	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
Tier II Residential Cleanup Goals Surface Soil[1]				1,000	NA	NA	22.07	NA	NA	10.3[2]	NA	NA	1,000[2]	1,000[2]	1,000[2]	1,000[2]	NA	1,000[2]
Tier II Non-Residential Cleanup Goals Surface Soil[1]				1,000	NA	NA	16.63	NA	NA	101[2]	NA	NA	1,000[2]	1,000[2]	1,000[2]	1,000[2]	NA	1,000[2]

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

mg/kg = milligrams per kilogram

NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 4a
Surface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane (Methyl Chloride)	2-Chlortoluene	4-Chlorotoluene	2-Chloroethyl vinyl ether	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	Dibromomethane (Methylene Bromide)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	trans-1,4-Dichloro-2-butene
KB-i13	5/16/01	0-2	293160	<0.0060	<0.012	<0.024	<0.012	<0.0060	<0.0060	<0.060	<0.012	<0.0060	<0.012	<0.0060	<0.0060	<0.0060	<0.012	<0.060
KB-i14	5/18/01	0-2	293308	<0.0061	<0.012	<0.024	<0.012	<0.0061	<0.0061	<0.061	<0.012	<0.0061	<0.012	<0.0061	<0.0061	<0.0061	<0.012	<0.061
KB-i15	5/16/01	0-2	293163	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	<0.053	<0.011	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.053
KB-i16	5/16/01	1.5-2	293168	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	<0.056	<0.011	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.056
KB-i17	5/18/01	0-2	293303	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	<0.056	<0.011	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.056
KB-i17 Dup	5/18/01	0-2	293304	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	<0.056	<0.011	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.056
KB-i18	5/18/01	0-2	293305	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	<0.053	<0.011	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.053
KB-i18 Dup	5/18/01	0-2	293306	<0.0054	<0.010	<0.021	<0.010	<0.0054	<0.0054	<0.054	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054
KB-i19	5/18/01	0-2	293307	<0.0059	<0.012	<0.024	<0.012	<0.0059	<0.0059	<0.059	<0.012	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.012	<0.059
Tier II Residential Cleanup Goals Surface Soil[1]				NA	NA	104.92	NA	NA	NA	NA	NA	NA	NA	10,000	NA	26.67	NA	NA
Tier II Non-Residential Cleanup Goals Surface Soil[1]				NA	1,000	5.28	NA	NA	NA	NA	NA	NA	NA	10,000	NA	2,416.67	NA	NA

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

mg/kg = milligrams per kilogram

NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

(2) Calculated using surrogate toxicity values and Tier II equations.

(3) Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 4a
Surface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Ethyl methacrylate	2-Hexanone	Hexachlorobutadiene
KB-i13	5/16/01	0-2	293160	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.060	<0.0060
KB-i14	5/18/01	0-2	293308	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.061	<0.0061
KB-i15	5/16/01	0-2	293163	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.053	<0.0053
KB-i16	5/16/01	1.5-2	293168	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056
KB-i17	5/18/01	0-2	293303	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056
KB-i17 Dup	5/18/01	0-2	293304	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056
KB-i18	5/18/01	0-2	293305	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.053	<0.0053
KB-i18 Dup	5/18/01	0-2	293306	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054
KB-i19	5/18/01	0-2	293307	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.059	<0.0059
Tier II Residential Cleanup Goals Surface Soil[1]				1,000	7.03	1.07	1,000	1,000[2]	NA	NA	NA	1,000[2]	NA	NA	1,000	NA	NA	3.21
Tier II Non-Residential Cleanup Goals Surface Soil[1]				973.47	5.27	0.15	1,000	1,000[2]	NA	NA	NA	1,000[2]	NA	NA	1,000	NA	NA	1.78

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram
NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 4a
Surface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Iodomethane	Isopropylbenzene	p-Isopropyltoluene	Methylene chloride	Methyl Ethyl Ketone	Methyl(tert) butyl ether (MTBE)	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethylene	Toluene	1,2,3-Trichlorobenzene
KB-i13	5/16/01	0-2	293160	<0.012	<0.0060	<0.0060	<0.030	<0.060	<0.012	<0.060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
KB-i14	5/18/01	0-2	293308	<0.012	<0.0061	<0.0061	0.037	<0.061	<0.012	<0.061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061
KB-i15	5/16/01	0-2	293163	<0.011	<0.0053	<0.0053	<0.026	<0.053	<0.011	<0.053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
KB-i16	5/16/01	1.5-2	293168	<0.011	<0.0056	<0.0056	<0.028	<0.056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
KB-i17	5/18/01	0-2	293303	<0.011	<0.0056	<0.0056	0.036	<0.056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	0.016	<0.0056	<0.0056
KB-i17 Dup	5/18/01	0-2	293304	<0.011	<0.0056	<0.0056	0.033	<0.056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	0.02	<0.0056	<0.0056
KB-i18	5/18/01	0-2	293305	<0.011	<0.0053	<0.0053	0.034	<0.053	<0.011	<0.053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
KB-i18 Dup	5/18/01	0-2	293306	<0.011	<0.0054	<0.0054	0.027	<0.054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
KB-i19	5/18/01	0-2	293307	<0.012	<0.0059	<0.0059	<0.029	<0.059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
Tier II Residential Cleanup Goals Surface Soil[1]				NA	1,000[2]	1,000[2]	85.3[2]	1,000	0.35	1,000	10,000	1,300[2]	NA	24.62	3.20	12.56	1,000	NA
Tier II Non-Residential Cleanup Goals Surface Soil[1]				NA	647[2]	1,000[2]	816[2]	1,000	5.6	1,000	10,000	1,300[2]	410,000[3]	75.91	75.41	101.23	1,000	NA

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

mg/kg = milligrams per kilogram

NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1995

[2] Calculated using surrogate toxicity values and Tier II equations.

[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 4a
Surface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethylene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	Vinyl chloride	Xylenes, Total
KB-i13	5/15/01	0-2	293150	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.012	<0.0060
KB-i14	5/13/01	0-2	293308	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.012	<0.0061
KB-i15	5/15/01	0-2	293153	<0.0053	<0.0053	<0.0053	0.023	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.011	<0.0053
KB-i16	5/15/01	1.5-2	293158	<0.0056	<0.0056	<0.0056	0.11	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.011	<0.0056
KB-i17	5/13/01	0-2	293303	<0.0056	<0.0056	<0.0056	0.7	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.011	<0.0056
KB-i17 Dup	5/13/01	0-2	293304	<0.0056	<0.0056	<0.0056	1.49	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.011	<0.0056
KB-i18	5/13/01	0-2	293305	<0.0053	<0.0053	<0.0053	0.11	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.011	<0.0053
KB-i18 Dup	5/13/01	0-2	293306	<0.0054	<0.0054	<0.0054	0.18	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
KB-i19	5/13/01	0-2	293307	<0.0059	<0.0059	<0.0059	0.053	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.012	<0.0059
Tier II Residential Cleanup Goals Surface Soil[1]				2,700	1,000	11.23	58.18	1,000[2]	NA	1,000[2]	1,000[2]	NA	0.034	1,000
Tier II Non-Residential Cleanup Goals Surface Soil[1]				10,000	1,000	22.74	24.97	1,000[2]	NA	1,000[2]	435[2]	NA	0.02	1,000

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

mg/kg = milligrams per kilogram

NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

SURFACE SOIL ANALYTICAL RESULTS FOR PAHs

Table 4b
Surface Soil Analytical Results for PAHs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
KB-28	5/15/2001	0-2	293129	<0.35	<0.35	<0.35				<0.35			<0.35		<0.35		<0.35		
KB-29	5/15/2001	0-2	293131	<0.39	<0.39					<0.39			<0.39		<0.39		<0.39		
KB-29 Dup.	5/15/2001	0-2	293132	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
KB-30	5/15/2001	0-2	293135	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
KB-31	5/15/2001	0-2	293137	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
KB-32	5/15/2001	0-2	293139	<0.39	<0.39	<0.39				<0.39			<0.39		<0.39		<0.39		
KB-33	5/15/2001	0-2	293144	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
KB-34	5/16/2001	0-2	293147	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
KB-35	5/16/2001	0-2	293149	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
KB-36	5/16/2001	0-2	293152	<0.38	<0.38	<0.38	<0.38						<0.38		<0.38	<0.38	<0.38	<0.38	
KB-37	5/16/2001	0-2	293155	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
KB-38	5/16/2001	0-2	293157	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
KB-i13	5/16/2001	0-2	293160	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
KB-i14	5/18/2001	0-2	293308	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
KB-i15	5/16/2001	0-2	293163	<0.35		<0.35				<0.35			<0.35		<0.35		<0.35	<0.35	
KB-i16	5/16/2001	1.5-2	293168	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
KB-i17	5/18/2001	0-2	293303	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
KB-i17 Dup.	5/18/2001	0-2	293304	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
KB-i18	5/18/2001	0-2	293305	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
KB-i18 Dup.	5/18/2001	0-2	293306	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
KB-i19	5/18/2001	0-2	293307	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Tier II Residential Cleanup Goals Surface Soil[1]				10,000	5,400[2]	10,000	0.88	0.66	0.88	1,620[2]	8.77	87.67	0.66	2,160	10,000	0.88	10,000	260[3]	8,100
Tier II Non-Residential Cleanup Goals Surface Soil[1]				10,000	4,570[2]	10,000	79.45	7.94	79.45	10,000[2]	794.52	7,945.21	7.95	10,000	10,000	79.45	10,000	260[3]	10,000

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal.

PAHs = Polynuclear Aromatic Hydrocarbons
Samples analyzed using EPA SW-846 Method 8310
mg/kg = micrograms per kilogram NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

[3] Tier I Health Protective Levels for Phenanthrene, Iodomethane and Acrolein Technical Memo by Indiana Voluntary Remediation Program, Dated 4/21/98

SURFACE SOIL ANALYTICAL RESULTS FOR METALS

Table 4c
Surface Soil Analytical Results for Metals (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Copper	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Zinc
GP-1	12/19/96	0-2	W6120376-01	<20	<40	NA	<0.50	<2.0	**5.5**	**9**	**21**	<0.25	**7.7**	<20	<2.0	<20	**39**
GP-2	12/19/96	0-2	W6120376-03	<20	<40	NA	<0.50	**4.1**	**1,600**	**510**	**940**	<0.25	**28**	<20	<2.0	<20	**880**
GP-3	12/19/96	0-2	W6120376-05	<20	<40	NA	**0.61**	<2.0	**16**	**21**	**9**	<0.25	**21**	<20	<2.0	<20	**60**
GP-4	12/19/96	0-2	W6120376-07	<20	<40	NA	<0.50	<2.0	**10**	**12**	**10**	<0.25	**12**	<20	<2.0	<20	**42**
GP-5	12/19/96	0-2	W6120376-09	<20	<40	NA	<0.50	<2.0	**9.7**	**7.4**	**13**	<0.25	**8.5**	<20	<2.0	<20	**36**
GP-6	12/19/96	0-2	W6120376-11	<20	<40	NA	<0.50	<2.0	**17**	**14**	**8.6**	<0.25	**17**	<20	<2.0	<20	**37**
KB-28	5/15/01	0-2	293129	NA	NA	NA	NA	<0.54	**8.3**	NA	**29**	NA	NA	NA	NA	NA	NA
KB-29	5/15/01	0-2	293131	NA	NA	NA	NA	<0.59	**13**	NA	**8.6**	NA	NA	NA	NA	NA	NA
KB-29 Dup.	5/15/01	0-2	293132	NA	NA	NA	NA	<0.60	**17**	NA	<4.8	NA	NA	NA	NA	NA	NA
KB-30	5/15/01	0-2	293135	NA	NA	NA	NA	**0.97**	**11**	NA	**100**	NA	NA	NA	NA	NA	NA
KB-31	5/15/01	0-2	293137	NA	NA	NA	NA	<0.60	**13**	NA	<4.8	NA	NA	NA	NA	NA	NA
KB-32	5/15/01	0-2	293139	NA	NA	NA	NA	<0.59	**15**	NA	**38**	NA	NA	NA	NA	NA	NA
KB-33	5/15/01	0-2	293144	NA	NA	NA	NA	<0.56	**16**	NA	**70**	NA	NA	NA	NA	NA	NA
KB-34	5/16/01	0-2	293147	NA	NA	NA	NA	<0.57	**11**	NA	**18**	NA	NA	NA	NA	NA	NA
KB-35	5/16/01	0-2	293149	NA	NA	NA	NA	<0.55	**18**	NA	**150**	NA	NA	NA	NA	NA	NA
KB-36	5/16/01	0-2	293152	NA	NA	NA	NA	**1.7**	**27**	NA	**940**	NA	NA	NA	NA	NA	NA
KB-37	5/16/01	0-2	293155	NA	NA	NA	NA	<0.57	**15**	NA	<4.5	NA	NA	NA	NA	NA	NA
KB-38	5/16/01	0-2	293157	NA	NA	NA	NA	<0.57	**13**	NA	**13**	NA	NA	NA	NA	NA	NA
KB-i13	5/16/01	0-2	293160	NA	NA	NA	NA	<0.60	**14**	NA	<4.8	NA	NA	NA	NA	NA	NA
KB-i14	5/18/01	0-2	293308	NA	NA	NA	NA	<0.61	**17**	NA	<4.9	NA	NA	NA	NA	NA	NA
KB-i15	5/16/01	0-2	293163	NA	NA	NA	NA	<0.53	**11**	NA	<4.2	NA	NA	NA	NA	NA	NA
KB-i16	5/16/01	1.5-2	293168	NA	NA	NA	NA	<0.56	**9.8**	NA	<4.4	NA	NA	NA	NA	NA	NA
KB-i17	5/18/01	0-2	293303	NA	NA	NA	NA	<0.56	**9.8**	NA	<4.4	NA	NA	NA	NA	NA	NA
KB-i17 Dup.	5/18/01	0-2	293304	NA	NA	NA	NA	<0.56	**8.8**	NA	<4.4	NA	NA	NA	NA	NA	NA
KB-i18	5/18/01	0-2	293305	NA	NA	NA	NA	<0.53	**11**	NA	<4.3	NA	NA	NA	NA	NA	NA
KB-i18 Dup.	5/18/01	0-2	293306	NA	NA	NA	NA	<0.54	**10**	NA	<4.3	NA	NA	NA	NA	NA	NA
KB-i19	5/18/01	0-2	293307	NA	NA	NA	NA	<0.60	**16**	NA	<4.8	NA	NA	NA	NA	NA	NA
Tier II Residential Cleanup Goals Surface Soil[1]				NA	81	10,000	0.5	135	1,350	9,990[3]	400 [4]	16.2	5,400	1,350	1,350	NA	NA
Tier II Non-Residential Cleanup Goals Surface Soil[1]				NA	612	10,000	13.49	1,020	10,000	378,000[3]	1 000 [4]	122.4	10,000	10,000	10,000	NA	NA
Common Background Ranges [2]				NA	1.0 - 40	100 - 3,500	NA	0.01 - 70	5.0 - 3,000	NA	2 - 200	0.01 - 4.15	NA	0.1 - 2.0	0.1 - 50	NA	NA

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal
Detected compound exceeds the VRP Tier II Residential Cleanup Goal
Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000
mg/kg = milligrams per kilogram NA = Not Applicable

(1) Indiana Department of Environmental Management Volurtary Remediation Program Resource Guide, Appendix F
Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

(2) Source: James Dragun. The Soil Chemistry of Hazardous Materials Table 3.1 Native Soil Concentration of Various Elements: p.229, 1998

(3) Calculated using surrogate toxicity values and Tier II equations.

(4) IDEM VRP Interoffice Memo dated on January 26, 1998

SUBSURFACE SOIL ANALYTICAL RESULTS FOR VOCs

Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allication Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane (Methyl Bromide)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene
GP-1	12/19/96	5-7	W6120376-02	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
GP-2	12/19/96	5-7	W6120376-04	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
GP-3	12/19/96	5-7	W6120376-06	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
GP-4	12/19/96	5-7	W6120376-08	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
GP-5	12/19/96	5-7	W6120376-10	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
GP-6	12/19/96	5-7	W6120376-12	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
HP-1	9/6/95	3-5	W5090064-04	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
KB-17	5/2/00	10-12	265075	<0.100	<0.25	<0.25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005
KB-20	7/12/00	14-16	270505	<0.100	<0.25	<0.25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005
KB-24	7/17/00	18-20	271016	<0.100	<0.25	<0.25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005
KB-33	5/15/01	4-6	293128	<54	<130	<130	<2.6	<2.6	<2.6	<2.6	<2.6	<5.4	[redacted]	[redacted]	<2.6
KB-40	9/17/02	6-8	328355	<5.54	<13.9	<13.9	<0.277	<0.277	<0.277	<0.277	<0.277	<0.554	<0.277	<0.277	<0.277
KB-44	9/17/02	6-8	328354	<0.217	<0.542	<0.542	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	[redacted]	[redacted]	[redacted]
KB-45	9/17/02	6-8	328353	[redacted]	<5.49	<5.49	<0.11	<0.11	<0.11	<0.11	<0.11	<0.549	<0.11	<0.11	<0.11
KB-46	8/27/02	10-12	326932	<5.40	<13.0	<13.0	<0.270	<0.270	<0.270	<0.270	<0.270	<0.550	<0.270	[redacted]	<0.270
KB-46	9/17/02	6-8	328356	<1.09	<2.72	<2.72	<0.054	<0.054	<0.054	<0.054	<0.054	<0.109	[redacted]	[redacted]	[redacted]
KB-47	9/18/02	6-8	328587	<11	<27.6	<27.6	<0.552	<0.552	<0.552	<0.552	<0.552	<1.1	[redacted]	[redacted]	[redacted]
KB-i1	5/1/01	2-4	291956	<0.120	<0.290	<0.290	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059	<0.0059
KB-i1	5/1/01	4-6	291957	<0.120	<0.290	<0.290	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059	<0.0059
KB-i2	5/1/01	5-6	291958	[redacted]	<0.290	<0.290	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.0058	<0.0058	<0.0058
KB-i3	5/1/01	4-6	291959	<0.120	<0.290	<0.290	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059	<0.0059
KB-i4	5/1/01	4-6	291960	<0.120	<0.310	<0.310	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.012	<0.0062	<0.0062	<0.0062
KB-i4	5/1/01	13.5-14	291961	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054
KB-i5	5/1/01	4-6	291962	<0.120	<0.300	<0.300	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.0061	<0.0061	<0.0061
KB-i6	5/1/01	3-4	291963	<0.120	<0.310	<0.310	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.012	[redacted]	<0.0062	<0.0062
KB-i6	5/1/01	4-6	291964	<0.120	<0.300	<0.300	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.0061	<0.0061	<0.0061
KB-i7	5/1/01	2-4	291965	<0.120	<0.300	<0.300	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.0060	<0.0060	<0.0060
KB-i8	5/1/01	2-4	291966	<0.120	<0.300	<0.300	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.0060	<0.0060	<0.0060
KB-i9	5/1/01	2-4	291967	[redacted]	<0.300	<0.300	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.0060	<0.0060	<0.0060
KB-i12	5/1/01	2-4	291968	<0.120	<0.300	<0.300	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.0060	<0.0060	<0.0060
KB-i13	5/16/01	2-4	293161	<0.110	<0.290	<0.290	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057
KB-i14	5/18/01	2-4	293309	<0.130	<0.320	<0.320	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.013	<0.0065	<0.0065	<0.0065
KB-i15	5/16/01	10-12	293165	<0.110	<0.280	<0.280	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057
KB-i15 Dup	5/16/01	10-12	293166	<0.110	<0.280	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056
KB-i16	5/16/01	8-10	293170	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054
KB-i17	5/18/01	8-10	293312	<0.480	<1.20	<1.20	<0.024	<0.024	<0.024	<0.024	<0.024	<0.049	<0.024	<0.024	<0.024
KB-i17 Dup	5/18/01	8-10	293313	<0.510	<1.30	<1.30	<0.026	<0.026	<0.026	<0.026	<0.026	<0.051	<0.026	<0.026	<0.026
KB-i18	5/18/01	8-10	293317	<0.100	<0.260	<0.260	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.0052	<0.0052	<0.0052
KB-i19	5/18/01	8-10	293318	<0.110	<0.260	<0.260	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053	<0.0053
MW-152	6/27/95	8-10	W5060414-04	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-152	6/28/95	18-20	W5060414-01	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-154	6/29/95	8-10	W5060414-02	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-154	6/29/95	18-20	W5060414-03	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-155	9/5/95	13-15	W5090064-01	<0.100	NA	NA	<0.025	NA	NA	<0.025	<0.025	<0.050	NA	NA	NA
MW-155	9/5/95	28-30	W5090064-02	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-156	9/5/95	18-20	W5090064-03	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-157	1/23/97	3-5	W7010365-01	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-158	1/23/97	8-10	W7010365-02	[redacted]	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-200	7/10/95	13-15	W5070142-01	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-200	7/14/95	48-50	W5070171-01	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-201	7/11/95	18-20	W5070142-02	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-201	7/11/95	38-40	W5070142-04	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-202	7/11/95	13-15	W5070142-03	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-202	7/11/95	33-35	W5070142-05	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-302	1/31/97	48-50	W7010425-02	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
MW-302	1/31/97	63-65	W7010425-03	<0.020	NA	NA	<0.005	NA	NA	<0.005	<0.005	<0.010	NA	NA	NA
SB10-1	3/1994	2-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-2	3/1994	6-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-3	3/1994	4-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-4	3/1994	6-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-5	3/1994	14-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-132	9/1992	8-10	NA	<6.3	NA	NA	<3.1	NA	NA	NA	NA	NA	NA	NA	NA
SB-133	9/1992	3-5	NA	<1.3	NA	NA	<0.63	NA	NA	NA	NA	NA	NA	NA	NA
SB-134	9/1992	8-10	NA	<0.01	NA	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
SB-135	9/1992	8-10	NA	<0.01	NA	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
SB-135 Dup	9/1992	8-10	NA	<0.01	NA	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
SB-145	6/2/93	13-15	69803	<2	<5	<5	<0.1	NA	NA	<0.1	<0.1	<0.5	NA	NA	NA
SB-145 Dup	6/2/93	13-15	69804	<2	<5	<5	<0.1	NA	NA	<0.1	<0.1	<0.5	NA	NA	NA
SB-145	6/2/93	23-30	69805	<0.02	<0.01	<0.01	<0.005	NA	NA	<0.005	<0.005	<0.01	NA	NA	NA
SB-146	6/2/93	13-15	69806	<0.02	<0.01	<0.01	<0.005	NA	NA	<0.005	<0.005	<0.01	NA	NA	NA
SB-146	6/2/93	23-25	69807	<0.02	<0.01	<0.01	<0.005	NA	NA	<0.005	<0.005	<0.01	NA	NA	NA
SB-147	6/3/93	8-10	69873	<2	<5	<5	<0.1	NA	NA	<0.1	<0.1	<0.5	NA	NA	NA
SB-147	6/3/93	28-30	69874	<0.02	<0.01	<0.01	<0.005	NA	NA	<0.005	<0.005	<0.01	NA	NA	NA
SB-148	6/3/93	8-10	69875	<2	<5	<5	<0.1	NA	NA	<0.1	<0.1	<0.5	NA	NA	NA
SB-148	6/3/93	23-25	69876	<0.02	<0.01	<0.01	<0.005	NA	NA	<0.005	<0.005	<0.01	NA	NA	NA
SB-149	6/4/93	8-10	69945	<2	<5	<5	<0.1	NA	NA	<0.1	<0.1	<0.5	NA	NA	NA
SB-150	6/4/93	3-5	69946	<2	<5	<5	<0.1	NA	NA	<0.1	<0.1	<0.5	NA	NA	NA
SB-150	6/4/93	8-10	69947	<2	<5	<5	<0.1	NA	NA	<0.1	<0.1	<0.5	NA	NA	NA
[redacted]															
Tier II Residential Cleanup Goals Subsurface Soil[1]				22.793	NA	NA	0.059	NA	NA	0.000389[2]	NA	NA	33.5[2]	30.1[2]	22.0[2]
[redacted]															
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				136.29	NA	NA	4.77	NA	NA	0.692[2]	NA	NA	972[2]	725[2]	868[2]
[redacted]															
[redacted]															

VOCs = Volatile Organic Compounds mg/kg = milligrams per kilogram
Samples analyzed using EPA SW-846 Method 8260 NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide. Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[2] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 3a

Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allication Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane (Methyl Chloride)	2-Chlorotoluene	4-Chlorotoluene	2-Chloroethyl vinyl ether	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	Dibromomethane (Methylene Bromide)
GP-1	12/19/96	5-7	W6120376-02	0.0022	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
GP-2	12/19/96	5-7	W6120376-04	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
GP-3	12/19/96	5-7	W6120376-06	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
GP-4	12/19/96	5-7	W6120376-08	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
GP-5	12/19/96	5-7	W6120376-10	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
GP-6	12/19/96	5-7	W6120376-12	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
HP-1	9/6/95	3-5	W5090064-04	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
KB-17	5/2/00	10-12	265075	<0.005	<0.005	<0.005	<0.005	<0.010	<0.020	<0.010	<0.005	<0.005	<0.050	<0.010	<0.005	<0.010
KB-20	7/12/00	14-16	270505	<0.005	<0.005	<0.005	<0.005	<0.010	<0.020	<0.010	<0.005	<0.005	<0.050	<0.010	<0.005	<0.010
KB-24	7/17/00	18-20	271016	<0.005	<0.005	<0.005	<0.005	<0.010	<0.020	<0.010	<0.005	<0.005	<0.050	<0.010	<0.005	<0.010
KB-33	5/15/01	4-6	293128	<2.6	<2.6	<2.6	<2.6	<5.4	<11	<5.4	<2.6	<2.6	<26	<5.4	<2.6	<5.4
KB-40	9/17/02	6-8	328355	<0.277	<0.277	<0.277	<0.277	<0.554	<1.11	<0.554	<0.277	<0.277	<2.77	<0.554	<0.277	<0.554
KB-44	9/17/02	6-8	328354	<0.011	<0.011	<0.011	<0.011	<0.022	<0.043	<0.022	<0.011	<0.011	<0.108	<0.022	<0.011	<0.022
KB-45	9/17/02	6-8	328353	<0.11	<0.11	<0.11	<0.11	<0.22	<0.439	<0.22	<0.11	<0.11	<1.1	<0.22	<0.11	<0.22
KB-46	8/27/02	10-12	326932	<0.270	<0.270	<0.270	<0.270	<0.550	<1.00	<0.550	<0.270	<0.270	<2.70	<0.550	<0.270	<0.550
KB-46	9/17/02	6-8	328356	<0.054	<0.054	<0.054	<0.054	<0.109	<0.218	<0.109	<0.054	<0.054	<0.545	<0.109	<0.054	<0.109
KB-47	9/18/02	6-8	328587	<0.552	<0.552	<0.552	<0.552	<1.1	<2.21	<1.1	<0.552	<0.552	<5.52	<1.1	<0.552	<1.1
KB-i1	5/1/01	2-4	291956	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.024	<0.012	<0.0059	<0.0059	<0.059	<0.012	<0.0059	<0.012
KB-i1	5/1/01	4-6	291957	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.024	<0.012	<0.0059	<0.0059	<0.059	<0.012	<0.0059	<0.012
KB-i2	5/1/01	5-6	291958	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.023	<0.012	<0.0058	<0.0058	<0.058	<0.012	<0.0058	<0.012
KB-i3	5/1/01	4-6	291959	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.024	<0.012	<0.0059	<0.0059	<0.059	<0.012	<0.0059	<0.012
KB-i4	5/1/01	4-6	291960	<0.0062	<0.0062	<0.0062	<0.0062	<0.012	<0.025	<0.012	<0.0062	<0.0062	<0.062	<0.012	<0.0062	<0.012
KB-i4	5/1/01	13.5-14	291961	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054	<0.011	<0.0054	<0.011
KB-i5	5/1/01	4-6	291962	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.024	<0.012	<0.0061	<0.0061	<0.061	<0.012	<0.0061	<0.012
KB-i6	5/1/01	3-4	291963	<0.0062	<0.0062	<0.0062	<0.0062	<0.012	<0.025	<0.012	<0.0062	<0.0062	<0.062	<0.012	<0.0062	<0.012
KB-i6	5/1/01	4-6	291964	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.024	<0.012	<0.0061	<0.0061	<0.061	<0.012	<0.0061	<0.012
KB-i7	5/1/01	2-4	291965	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.024	<0.012	<0.0060	<0.0060	<0.060	<0.012	<0.0060	<0.012
KB-i8	5/1/01	2-4	291966	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.024	<0.012	<0.0060	<0.0060	<0.060	<0.012	<0.0060	<0.012
KB-i9	5/1/01	2-4	291967	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.024	<0.012	<0.0060	<0.0060	<0.060	<0.012	<0.0060	<0.012
KB-i12	5/1/01	2-4	291968	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.024	<0.012	<0.0060	<0.0060	<0.060	<0.012	<0.0060	<0.012
KB-i13	5/16/01	2-4	293161	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	<0.057	<0.011	<0.0057	<0.011
KB-i14	5/18/01	2-4	293309	<0.0065	<0.0065	<0.0065	<0.0065	<0.013	<0.026	<0.013	<0.0065	<0.0065	<0.065	<0.013	<0.0065	<0.013
KB-i15	5/16/01	10-12	293165	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	<0.057	<0.011	<0.0057	<0.011
KB-i15 Dup	5/16/01	10-12	293166	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	<0.056	<0.011	<0.0056	<0.011
KB-i16	5/16/01	8-10	293170	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054	<0.011	<0.0054	<0.011
KB-i17	5/18/01	8-10	293312	<0.024	<0.024	<0.024	<0.024	<0.049	<0.097	<0.049	<0.024	<0.024	<0.240	<0.049	<0.024	<0.049
KB-i17 Dup	5/18/01	8-10	293313	<0.026	<0.026	<0.026	<0.026	<0.051	<0.100	<0.051	<0.026	<0.026	<0.260	<0.051	<0.026	<0.051
KB-i18	5/18/01	8-10	293317	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.021	<0.010	<0.0052	<0.0052	<0.052	<0.010	<0.0052	<0.010
KB-i19	5/18/01	8-10	293318	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	<0.053	<0.011	<0.0053	<0.011
MW-152	6/27/95	8-10	W5060414-04	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-152	6/28/95	18-20	W5060414-01	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-154	6/29/95	8-10	W5060414-02	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-154	6/29/95	18-20	W5060414-03	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-155	9/5/95	13-15	W5090064-01	<0.025	<0.025	<0.025	NA	<0.050	<0.025	<0.050	NA	NA	<0.050	NA	NA	<0.025
MW-155	9/5/95	28-30	W5090064-02	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-156	9/5/95	18-20	W5090064-03	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-157	1/23/97	3-5	W7010365-01	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-158	1/23/97	8-10	W7010365-02	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-200	7/10/95	13-15	W5070142-01	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-200	7/14/95	48-50	W5070171-01	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-201	7/11/95	18-20	W5070142-02	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-201	7/11/95	38-40	W5070142-04	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-202	7/11/95	13-15	W5070142-03	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-202	7/11/95	33-35	W5070142-05	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-302	1/31/97	48-50	W7010425-02	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
MW-302	1/31/97	63-65	W7010425-03	<0.005	<0.005	<0.005	NA	<0.010	<0.005	<0.010	NA	NA	<0.010	NA	NA	<0.005
SB10-1	3/1994	2-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-2	3/1994	6-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD10-3	3/1994	4-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-4	3/1994	6-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-5	3/1994	14-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-132	9/1992	8-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-133	9/1992	3-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-134	9/1992	8-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-135	9/1992	8-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-135 Dup	9/1992	8-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-145	6/2/93	13-15	69803	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	NA	NA	<0.5	<1.0	<0.1	<1.0
SB-145 Dup	6/2/93	13-15	69804	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	NA	NA	<0.5	<1.0	<0.1	<1.0
SB-145	6/2/93	23-30	69805	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	NA	NA	<0.01	<0.01	<0.005	<0.01
SB-146	6/2/93	13-15	69806	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	NA	NA	<0.01	<0.01	<0.005	<0.01
SB-146	6/2/93	23-25	69807	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	NA	NA	<0.01	<0.01	<0.005	<0.01
SB-147	6/3/93	8-10	69873	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	NA	NA	<0.5	<1.0	<0.1	<1.0
SB-147	6/3/93	28-30	69874	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	NA	NA	<0.01	<0.01	<0.005	<0.01
SB-148	6/3/93	8-10	69875	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	NA	NA	<0.5	<1.0	<0.1	<1.0
SB-148	6/3/93	23-25	69876	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	NA	NA	<0.01	<0.01	<0.005	<0.01
SB-149	6/4/93	8-10	69945	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	NA	NA	<0.5	<1.0	<0.1	<1.0
SB-150	6/4/93	3-5	69946	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	NA	NA	<0.5	<1.0	<0.1	<1.0
SB-150	6/4/93	8-10	69947	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	NA	NA	<0.5	<1.0	<0.1	<1.0
Tier II Residential Cleanup Goals Subsurface Soil[1]				182[2]	NA	11.1[2]	NA	1,000	2.082	NA	NA	NA	NA	NA	NA	NA
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				1,300[2]	NA	803[2]	NA	1,000	20.33	NA	NA	NA	NA	NA	NA	NA

VOCs = Volatile Organic Compounds mg/kg = milligrams per kilogram
Samples analyzed using EPA SW-846 Method 8260 NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 3a

Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allication Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	trans-1,4-Dichloro-2-butene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dicaloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethene
GP-1	12/19/96	5-7	W6120376-02	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	2.7	0.025
GP-2	12/19/96	5-7	W6120376-04	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	0.13	<0.005
GP-3	12/19/96	5-7	W6120376-06	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
GP-4	12/19/96	5-7	W6120376-08	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
GP-5	12/19/96	5-7	W6120376-10	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
GP-6	12/19/96	5-7	W6120376-12	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
HP-1	9/6/95	3-5	W5090064-04	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	0.04	<0.005
KB-17	5/2/00	10-12	265075	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005
KB-20	7/12/00	14-16	270505	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005
KB-24	7/17/00	18-20	271016	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005
KB-33	5/15/01	4-6	293128	<2.6	<2.6	<2.6	<5.4	<26	<2.6	<2.6	<2.6	1,000	<2.6
KB-40	9/17/02	6-8	328355	<0.277	<0.277	<0.277	<0.554	<2.77	<0.277	<0.277	<0.277	38.3	<0.277
KB-44	9/17/02	6-8	328354	<0.011	<0.011	<0.011	<0.022	<0.108	<0.011	<0.011	<0.011	0.015	<0.011
KB-45	9/17/02	6-8	328353	<0.11	<0.11	<0.11	<0.22	<1.1	<0.11	<0.11	<0.11	1.76	<0.11
KB-46	8/27/02	10-12	326932	<0.270	<0.270	<0.270	<0.550	<2.70	<0.270	<0.270	<0.270	0.40	<0.270
KB-46	9/17/02	6-8	328356	<0.054	<0.054	<0.054	<0.109	<0.545	<0.054	<0.054	<0.054	<0.054	<0.054
KB-47	9/18/02	6-8	328587	<0.552	<0.552	<0.552	<1.1	<5.52	<0.552	<0.552	<0.552	184	<0.552
KB-i1	5/1/01	2-4	291956	<0.0059	<0.0059	<0.0059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
KB-i1	5/1/01	4-6	291957	<0.0059	<0.0059	<0.0059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
KB-i2	5/1/01	5-6	291958	<0.0058	<0.0058	<0.0058	<0.012	<0.058	<0.0058	<0.0058	<0.0058	0.050	<0.0058
KB-i3	5/1/01	4-6	291959	<0.0059	<0.0059	<0.0059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	0.16	0.018
KB-i4	5/1/01	4-6	291960	<0.0062	<0.0062	<0.0062	<0.012	<0.062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062
KB-i4	5/1/01	13.5-14	291961	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	0.0092	<0.0054
KB-i5	5/1/01	4-6	291962	<0.0061	<0.0061	<0.0061	<0.012	<0.061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061
KB-i6	5/1/01	3-4	291963	<0.0062	<0.0062	<0.0062	<0.012	<0.062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062
KB-i6	5/1/01	4-6	291964	<0.0061	<0.0061	<0.0061	<0.012	<0.061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061
KB-i7	5/1/01	2-4	291965	<0.0060	<0.0060	<0.0060	<0.012	<0.060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
KB-i8	5/1/01	2-4	291966	<0.0060	<0.0060	<0.0060	<0.012	<0.060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
KB-i9	5/1/01	2-4	291967	<0.0060	<0.0060	<0.0060	<0.012	<0.060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
KB-i12	5/1/01	2-4	291968	<0.0060	<0.0060	<0.0060	<0.012	<0.060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
KB-i13	5/16/01	2-4	293161	<0.0057	<0.0057	<0.0057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
KB-i14	5/18/01	2-4	293309	<0.0065	<0.0065	<0.0065	<0.013	<0.065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065
KB-i15	5/16/01	10-12	293165	<0.0057	<0.0057	<0.0057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	0.015	<0.0057
KB-i15 Dup	5/16/01	10-12	293166	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	0.013	<0.0056
KB-i16	5/16/01	8-10	293170	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
KB-i17	5/18/01	8-10	293312	<0.024	<0.024	<0.024	<0.049	<0.240	<0.024	<0.024	<0.024	<0.024	<0.024
KB-i17 Dup	5/18/01	8-10	293313	<0.026	<0.026	<0.026	<0.051	<0.260	<0.026	<0.026	<0.026	<0.026	<0.026
KB-i18	5/18/01	8-10	293317	<0.0052	<0.0052	<0.0052	<0.010	<0.052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
KB-i19	5/18/01	8-10	293318	<0.0053	<0.0053	<0.0053	<0.011	<0.053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
MW-152	6/27/95	8-10	W5060414-04	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-152	6/28/95	18-20	W5060414-01	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-154	6/29/95	8-10	W5060414-02	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-154	6/29/95	18-20	W5060414-03	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-155	9/5/95	13-15	W5090064-01	<0.050	<0.050	<0.050	NA	NA	<0.025	<0.025	<0.025	3.5	<0.025
MW-155	9/5/95	28-30	W5090064-02	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-156	9/5/95	18-20	W5090064-03	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-157	1/23/97	3-5	W7010365-01	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-158	1/23/97	8-10	W7010365-02	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-200	7/10/95	13-15	W5070142-01	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	0.035	<0.005
MW-200	7/14/95	48-50	W5070171-01	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-201	7/11/95	18-20	W5070142-02	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	0.02	0.011
MW-201	7/11/95	38-40	W5070142-04	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-202	7/11/95	13-15	W5070142-03	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	1.1	<0.005
MW-202	7/11/95	33-35	W5070142-05	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-302	1/31/97	48-50	W7010425-02	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
MW-302	1/31/97	63-65	W7010425-03	<0.010	<0.010	<0.010	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
SB10-1	3/1994	2-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0042	0.0042
SB10-2	3/1994	6-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.492	0.492
SB10-3	3/1994	4-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.072	0.072
SB10-4	3/1994	6-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.120*	<0.120*
SB10-5	3/1994	14-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.120*	<0.120*
SB-132	9/1992	8-10	NA	NA	NA	NA	NA	NA	<3.1	<3.1	NA	12	2
SB-133	9/1992	3-5	NA	NA	NA	NA	NA	NA	<0.63	<0.63	NA	<0.63	<0.630
SB-134	9/1992	8-10	NA	NA	NA	NA	NA	NA	<0.005	<0.005	NA	<0.005	<0.005
SB-135	9/1992	8-10	NA	NA	NA	NA	NA	NA	<0.005	<0.005	NA	<0.005	<0.005
SB-135 Dup	9/1992	8-10	NA	NA	NA	NA	NA	NA	<0.005	<0.005	NA	<0.005	<0.005
SB-145	6/2/93	13-15	69803	<0.1	<0.1	<0.1	<1	NA	<0.1	<0.1	<0.1	3.3	<0.1
SB-145 Dup	6/2/93	13-15	69804	<0.1	<0.1	<0.1	<1	NA	<0.1	<0.1	<0.1	0.6	<0.600
SB-145	6/2/93	23-30	69805	<0.005	<0.005	<0.005	<0.01	NA	<0.005	<0.005	<0.005	<0.005	<0.005
SB-146	6/2/93	13-15	69806	<0.005	<0.005	<0.005	<0.01	NA	<0.005	<0.005	<0.005	<0.005	<0.005
SB-146	6/2/93	23-25	69807	<0.005	<0.005	<0.005	<0.01	NA	<0.005	<0.005	<0.005	<0.005	<0.005
SB-147	6/3/93	8-10	69873	<0.1	<0.1	<0.1	<1	NA	<0.1	<0.1	<0.1	110	<0.1
SB-147	6/3/93	28-30	69874	<0.005	<0.005	<0.005	<0.01	NA	<0.005	<0.005	<0.005	<0.005	<0.005
SB-148	6/3/93	8-10	69875	<0.1	<0.1	<0.1	<1	NA	<0.1	<0.1	<0.1	0.9	<0.1
SB-148	6/3/93	23-25	69876	<0.005	<0.005	<0.005	<0.01	NA	<0.005	<0.005	<0.005	0.015	<0.005
SB-149	6/4/93	8-10	69945	<0.1	<0.1	<0.1	<1	NA	<0.1	<0.1	<0.1	1.4	<0.1
SB-150	6/4/93	3-5	69946	<0.1	<0.1	<0.1	<1	NA	<0.1	<0.1	<0.1	1.8	<0.1
SB-150	6/4/93	8-10	69947	<0.1	<0.1	<0.1	<1	NA	<0.1	<0.1	<0.1	1.8	<0.1
Tier II Residential Cleanup Goals Subsurface Soil[1]				2,524.23	NA	0.897	NA	NA	40.074	0.025	0.084	17.14	3.23[2]
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				10,000	NA	34.67	NA	NA	1,000	0.37	0.080	102.49	193[2]

VOCs = Volatile Organic Compounds mg/kg = milligrams per kilogram
Samples analyzed using EPA SW-846 Method 8260 NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 3a

Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allication Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Ethyl methacrylate	2-Hexanone	Hexachlorobutadiene
GP-1	12/19/96	5-7	W6120376-02	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
GP-2	12/19/96	5-7	W6120376-04	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
GP-3	12/19/96	5-7	W6120376-06	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
GP-4	12/19/96	5-7	W6120376-08	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
GP-5	12/19/96	5-7	W6120376-10	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
GP-6	12/19/96	5-7	W6120376-12	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
HP-1	9/6/95	3-5	W5090064-04	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
KB-17	5/2/00	10-12	265075	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005
KB-20	7/12/00	14-16	270505	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005
KB-24	7/17/00	18-20	271016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005
KB-33	5/15/01	4-6	293128	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	[redacted]	<5.4	<26	<2.6
KB-40	9/17/02	6-8	328355	<0.277	<0.277	<0.277	<0.277	<0.277	<0.277	0.554	<0.554	<2.77	<0.277
KB-44	9/17/02	6-8	328354	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.02	<0.022	<0.108	<0.011
KB-45	9/17/02	6-8	328353	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.22	<1.1	<0.11
KB-46	8/27/02	10-12	326932	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	0.341	<0.550	<2.70	<0.270
KB-46	9/17/02	6-8	328356	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	0.272	<0.109	<0.545	<0.054
KB-47	9/18/02	6-8	328587	<0.552	<0.552	<0.552	<0.552	<0.552	<0.552	<0.552	<1.1	<5.52	<0.552
KB-i1	5/1/01	2-4	291956	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.059	<0.0059
KB-i1	5/1/01	4-6	291957	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.059	<0.0059
KB-i2	5/1/01	5-6	291958	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.058	<0.0058
KB-i3	5/1/01	4-6	291959	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.059	<0.0059
KB-i4	5/1/01	4-6	291960	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.012	<0.062	<0.0062
KB-i4	5/1/01	13.5-14	291961	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054
KB-i5	5/1/01	4-6	291962	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.061	<0.0061
KB-i6	5/1/01	3-4	291963	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.012	<0.062	<0.0062
KB-i6	5/1/01	4-6	291964	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.061	<0.0061
KB-i7	5/1/01	2-4	291965	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.060	<0.0060
KB-i8	5/1/01	2-4	291966	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.060	<0.0060
KB-i9	5/1/01	2-4	291967	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.060	<0.0060
KB-i12	5/1/01	2-4	291968	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.060	<0.0060
KB-i13	5/16/01	2-4	293161	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.057	<0.0057
KB-i14	5/18/01	2-4	293309	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.013	<0.065	<0.0065
KB-i15	5/16/01	10-12	293165	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.057	<0.0057
KB-i15 Dup	5/16/01	10-12	293166	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056
KB-i16	5/16/01	8-10	293170	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054
KB-i17	5/18/01	8-10	293312	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.049	<0.240	<0.024
KB-i17 Dup	5/18/01	8-10	293313	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.051	<0.260	<0.026
KB-i18	5/18/01	8-10	293317	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.052	<0.0052
KB-i19	5/18/01	8-10	293318	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.053	<0.0053
MW-152	6/27/95	8-10	W5060414-04	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-152	6/28/95	18-20	W5060414-01	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-154	6/29/95	8-10	W5060414-02	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-154	6/29/95	18-20	W5060414-03	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-155	9/5/95	13-15	W5090064-01	<0.025	NA	NA	NA	<0.025	<0.025	<0.025	NA	<0.100	NA
MW-155	9/5/95	28-30	W5090064-02	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-156	9/5/95	18-20	W5090064-03	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-157	1/23/97	3-5	W7010365-01	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-158	1/23/97	8-10	W7010365-02	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-200	7/10/95	13-15	W5070142-01	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-200	7/14/95	48-50	W5070171-01	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-201	7/11/95	18-20	W5070142-02	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-201	7/11/95	38-40	W5070142-04	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-202	7/11/95	13-15	W5070142-03	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-202	7/11/95	33-35	W5070142-05	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-302	1/31/97	48-50	W7010425-02	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
MW-302	1/31/97	63-65	W7010425-03	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.020	NA
SB10-1	3/1994	2-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-2	3/1994	6-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-3	3/1994	4-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-4	3/1994	6-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB10-5	3/1994	14-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-132	9/1992	8-10	NA	NA	NA	NA	NA	NA	NA	<3.1	NA	NA	NA
SB-133	9/1992	3-5	NA	NA	NA	NA	NA	NA	NA	<0.63	NA	NA	NA
SB-134	9/1992	8-10	NA	NA	NA	NA	NA	NA	NA	<0.005	NA	NA	NA
SB-135	9/1992	8-10	NA	NA	NA	NA	NA	NA	NA	<0.005	NA	NA	NA
SB-135 Dup	9/1992	8-10	NA	NA	NA	NA	NA	NA	NA	<0.005	NA	NA	NA
SB-145	6/2/93	13-15	69803	<0.1	NA	NA	NA	<0.1	<0.1	<0.1	<1.0	<1	NA
SB-145 Dup	6/2/93	13-15	69804	<0.1	NA	NA	NA	<0.1	<0.1	<0.1	<1.0	<1	NA
SB-145	6/2/93	23-30	69805	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	<0.01	<0.01	NA
SB-146	6/2/93	13-15	69806	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	<0.01	<0.01	NA
SB-146	6/2/93	23-25	69807	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	<0.01	<0.01	NA
SB-147	6/3/93	8-10	69873	<0.1	NA	NA	NA	<0.1	<0.1	<0.1	<1.0	<1	NA
SB-147	6/3/93	28-30	69874	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	<0.01	<0.01	NA
SB-148	6/3/93	8-10	69875	<0.1	NA	NA	NA	<0.1	<0.1	<0.1	<1.0	<1	NA
SB-148	6/3/93	23-25	69876	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	<0.01	<0.01	NA
SB-149	6/4/93	8-10	69945	<0.1	NA	NA	NA	<0.1	<0.1	<0.1	<1.0	<1	NA
SB-150	6/4/93	3-5	69946	<0.1	NA	NA	NA	<0.1	<0.1	<0.1	<1.0	<1	NA
SB-150	6/4/93	8-10	69947	<0.1	NA	NA	NA	<0.1	<0.1	<0.1	<1.0	<1	NA
[redacted]													
Tier II Residential Cleanup Goals Subsurface Soil[1]				NA	NA	NA	0.00764[2]	NA	NA	834.372	NA	NA	6.777
[redacted]													
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				NA	NA	NA	1.56[2]	NA	NA	1,000	NA	NA	31.18
[redacted]													
[redacted]													

VOCs = Volatile Organic Compounds mg/kg = milligrams per kilogram
Samples analyzed using EPA SW-846 Method 8260 NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 3a

Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allication Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Iodomethane	Isopropylbenzene	p-Isopropyltoluene	Methylene chloride	Methyl Ethyl Ketone	Methyl(tert) butyl ether (MTBE)	4-Methy-2-penanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloro-ethane	1,1,2,2-Tetrachloro-ethane	Tetrachloroethene
GP-1	12/19/96	5-7	W6120376-02	NA	NA	NA	<0.010	<0.020	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
GP-2	12/19/96	5-7	W6120376-04	NA	NA	NA	0.015	<0.020	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
GP-3	12/19/96	5-7	W6120376-06	NA	NA	NA	<0.010	<0.020	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
GP-4	12/19/96	5-7	W6120376-08	NA	NA	NA	<0.010	<0.020	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
GP-5	12/19/96	5-7	W6120376-10	NA	NA	NA	0.015	<0.020	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
GP-6	12/19/96	5-7	W6120376-12	NA	NA	NA	<0.010	<0.020	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
HP-1	9/6/95	3-5	W5090064-04	NA	NA	NA	<0.010	<0.020	NA	<0.020	NA	NA	<0.005	NA	<0.005	0.0017
KB-17	5/2/00	10-12	265075	NA	<0.005	<0.005	<0.025	<0.050	NA	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	2.3
KB-20	7/12/00	14-16	270505	<0.010	<0.005	<0.005	0.006	<0.050	<0.010	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
KB-24	7/17/00	18-20	271016	<0.010	<0.005	<0.005	<0.025	<0.100	<0.010	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	0.040
KB-33	5/15/01	4-6	293128	<5.4	68	68	<13	<26	<5.4	<26	68	30	<2.6	<2.6	<2.6	<2.6
KB-40	9/17/02	6-8	328355	<0.554	0.29	0.27	<1.39	<133	<0.554	<2.77	0.27	2.06	<0.277	<0.277	<0.277	0.0044
KB-44	9/17/02	6-8	328354	<0.022	0.006	0.018	0.1	<0.108	<0.022	<0.108	<0.011	0.03	<0.011	<0.011	<0.011	<0.011
KB-45	9/17/02	6-8	328353	<0.22	<0.11	<0.11	<0.549	0.77	<0.22	<1.1	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
KB-46	9/27/02	10-12	326932	<0.550	1.06	0.05	<1.40	<2.70	<0.550	<2.70	<0.270	0.38	<0.270	<0.270	<0.270	<0.270
KB-46	9/17/02	6-8	328356	<0.109	0.08	1.30	1.8	<0.545	<0.109	<0.545	0.58	1.02	<0.054	<0.054	<0.054	<0.054
KB-47	9/18/02	6-8	328587	<1.1	<0.552	<0.552	<2.76	100	<1.1	<5.52	<0.552	<0.552	<0.552	<0.552	<0.552	0.7
KB-i1	5/1/01	2-4	291956	<0.012	<0.0059	<0.0059	<0.029	<0.059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
KB-i1	5/1/01	4-6	291957	<0.012	<0.0059	<0.0059	<0.029	<0.059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
KB-i2	5/1/01	5-6	291958	<0.012	<0.0058	<0.0058	<0.029	<0.058	<0.012	<0.058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
KB-i3	5/1/01	4-6	291959	<0.012	<0.0059	<0.0059	<0.029	<0.059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
KB-i4	5/1/01	4-6	291960	<0.012	<0.0062	<0.0062	<0.031	<0.062	<0.012	<0.062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062
KB-i4	5/1/01	13.5-14	291961	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
KB-i5	5/1/01	4-6	291962	<0.012	<0.0061	<0.0061	<0.030	<0.061	<0.012	<0.061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061
KB-i6	5/1/01	3-4	291963	<0.012	<0.0062	<0.0062	<0.031	<0.062	<0.012	<0.062	0.015	<0.0062	<0.0062	<0.0062	<0.0062	0.0062
KB-i6	5/1/01	4-6	291964	<0.012	<0.0061	<0.0061	<0.030	<0.061	<0.012	<0.061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	0.011
KB-i7	5/1/01	2-4	291965	<0.012	<0.0060	<0.0060	<0.030	<0.060	<0.012	<0.060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
KB-i8	5/1/01	2-4	291966	<0.012	<0.0060	<0.0060	<0.030	<0.060	<0.012	<0.060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
KB-i9	5/1/01	2-4	291967	<0.012	<0.0060	<0.0060	<0.030	<0.060	<0.012	<0.060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
KB-i12	5/1/01	2-4	291968	<0.012	<0.0060	0.028	<0.030	<0.060	<0.012	<0.060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
KB-i13	5/16/01	2-4	293161	<0.011	<0.0057	<0.0057	<0.029	<0.057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
KB-i14	5/18/01	2-4	293309	<0.013	<0.0065	<0.0065	0.036	<0.065	<0.013	<0.065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065
KB-i15	5/16/01	10-12	293165	<0.011	<0.0057	<0.0057	<0.028	<0.057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
KB-i15 Dup	5/16/01	10-12	293166	<0.011	<0.0056	<0.0056	<0.028	<0.056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
KB-i16	5/16/01	8-10	293170	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
KB-i17	5/18/01	8-10	293312	<0.049	<0.024	<0.024	<0.120	<0.240	<0.049	<0.240	<0.024	<0.024	<0.024	<0.024	<0.024	0.036
KB-i17 Dup	5/18/01	8-10	293313	<0.051	<0.026	<0.026	<0.130	<0.260	<0.051	<0.260	<0.026	<0.026	<0.026	<0.026	<0.026	0.045
KB-i18	5/18/01	8-10	293317	<0.010	<0.0052	<0.0052	0.014	<0.052	<0.010	<0.052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
KB-i19	5/18/01	8-10	293318	<0.011	<0.0053	<0.0053	0.011	<0.053	<0.011	<0.053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
MW-152	6/27/95	8-10	W5060414-04	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-152	6/28/95	18-20	W5060414-01	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-154	6/29/95	8-10	W5060414-02	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-154	6/29/95	18-20	W5060414-03	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-155	9/5/95	13-15	W5090064-01	NA	NA	NA	<0.050	<0.100	NA	<0.100	NA	NA	<0.025	NA	<0.025	<0.025
MW-155	9/5/95	28-30	W5090064-02	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-156	9/5/95	18-20	W5090064-03	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	0.014
MW-157	1/23/97	3-5	W7010365-01	NA	NA	NA	0.012	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-158	1/23/97	8-10	W7010365-02	NA	NA	NA	0.013	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-200	7/10/95	13-15	W5070142-01	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	0.018
MW-200	7/14/95	48-50	W5070171-01	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-201	7/11/95	18-20	W5070142-02	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-201	7/11/95	38-40	W5070142-04	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-202	7/11/95	13-15	W5070142-03	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-202	7/11/95	33-35	W5070142-05	NA	NA	NA	<0.010	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-302	1/31/97	48-50	W7010425-02	NA	NA	NA	0.013	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
MW-302	1/31/97	63-65	W7010425-03	NA	NA	NA	0.01	<0.02	NA	<0.020	NA	NA	<0.005	NA	<0.005	<0.005
SB10-1	3/1994	2-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.001
SB10-2	3/1994	6-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005
SB10-3	3/1994	4-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.001
SB10-4	3/1994	6-8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.120
SB10-5	3/1994	14-16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.120
SB-132	9/1992	8-10	NA	NA	NA	NA	<3.1	NA	NA	NA	NA	NA	NA	NA	NA	<3.1
SB-133	9/1992	3-5	NA	NA	NA	NA	<0.630	NA	NA	NA	NA	NA	NA	NA	NA	<0.630
SB-134	9/1992	8-10	NA	NA	NA	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<0.005
SB-135	9/1992	8-10	NA	NA	NA	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<0.005
SB-135 Dup	9/1992	8-10	NA	NA	NA	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<0.005
SB-145	6/2/93	13-15	69803	<1.0	NA	NA	<1.0	<1	NA	<1	NA	NA	<0.1	NA	<0.1	<0.1
SB-145 Dup	6/2/93	13-15	69804	<1.0	NA	NA	<1.0	<1	NA	<1	NA	NA	<0.1	NA	<0.1	<0.100
SB-145	6/2/93	23-30	69805	<0.01	NA	NA	0.018	<0.01	NA	<0.01	NA	NA	<0.005	NA	<0.005	<0.005
SB-146	6/2/93	13-15	69806	<0.01	NA	NA	0.012	<0.01	NA	<0.01	NA	NA	<0.005	NA	<0.005	<0.005
SB-146	6/2/93	23-25	69807	<0.01	NA	NA	0.025	<0.01	NA	<0.01	NA	NA	<0.005	NA	<0.005	0.018
SB-147	6/3/93	8-10	69873	<1.0	NA	NA	<1.0	<1	NA	<1	NA	NA	<0.1	NA	<0.1	<0.1
SB-147	6/3/93	28-30	69874	<0.01	NA	NA	0.021	<0.01	NA	<0.01	NA	NA	<0.005	NA	<0.005	<0.005
SB-148	6/3/93	8-10	69875	<1.0	NA	NA	<1.0	<1	NA	<1	NA	NA	<0.1	NA	<0.1	<0.1
SB-148	6/3/93	23-25	69876	<0.01	NA	NA	<0.01	<0.01	NA	<0.01	NA	NA	<0.005	NA	<0.005	<0.005
SB-149	6/4/93	8-10	69945	<1.0	NA	NA	<1.0	<1	NA	<1	NA	NA	<0.1	NA	<0.1	<0.1
SB-150	6/4/93	3-5	69946	<1.0	NA	NA	<1.0	<1	NA	<1	NA	NA	<0.1	NA	<0.1	0.3
SB-150	6/4/93	8-10	69947	<1.0	NA	NA	<1.0	<1	NA	<1	NA	NA	<0.1	NA	<0.1	<0.1
Tier II Residential Cleanup Goals Subsurface Soil[1]				NA	185[2]	441[2]	0.0255[2]	11.62	0.35	68.147	1,767.785	33.5[2]	NA	0.076	0.044	0.227
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				NA	185[2]	1,000[2]	10.9[2]	146.24	5.6	407.48	10,000	972[2]	410,000[3]	7.24	0.21	8.01

Detected compound above the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds mg/kg = milligrams per kilogram
Samples analyzed using EPA SW-846 Method 8260 NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 3a

Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allication Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	Vinyl chloride	Xylenes, Total
GP-1	12/19/96	5-7	W6120376-02	<0.005	NA	NA	<0.005	<0.005	[redacted]	NA	NA	NA	NA	<0.020	[redacted]	<0.005
GP-2	12/19/96	5-7	W6120376-04	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
GP-3	12/19/96	5-7	W6120376-06	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	[redacted]	<0.005
GP-4	12/19/96	5-7	W6120376-08	<0.005	NA	NA	<0.005	<0.005	[redacted]	NA	NA	NA	NA	<0.020	<0.010	<0.005
GP-5	12/19/96	5-7	W6120376-10	<0.005	NA	NA	<0.005	<0.005	[redacted]	NA	NA	NA	NA	<0.020	<0.010	<0.005
GP-6	12/19/96	5-7	W6120376-12	<0.005	NA	NA	<0.005	<0.005	[redacted]	NA	NA	NA	NA	<0.020	<0.010	<0.005
HP-1	9/6/95	3-5	W5090064-04	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
KB-17	5/2/00	10-12	265075	<0.005	<0.005	<0.005	<0.005	<0.005	[redacted]	<0.005	<0.005	<0.005	<0.005	NA	<0.010	<0.005
KB-20	7/12/00	14-16	270505	[redacted]	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	[redacted]
KB-24	7/17/00	18-20	271016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.005
KB-33	5/15/01	4-6	293128	<2.6	<2.6	<2.6	<2.6	<2.6	[redacted]	<2.6	<2.6	[redacted]	[redacted]	<5.4	<5.4	[redacted]
KB-40	9/17/02	6-8	328355	<0.277	<0.277	<0.277	<0.277	<0.277	[redacted]	<0.277	<0.277	[redacted]	[redacted]	<0.554	<0.554	[redacted]
KB-44	9/17/02	6-8	328354	<0.011	<0.011	<0.011	<0.011	<0.011	[redacted]	<0.011	<0.011	[redacted]	[redacted]	<0.022	<0.022	[redacted]
KB-45	9/17/02	6-8	328353	<0.11	<0.11	<0.11	<0.11	<0.11	[redacted]	<0.11	<0.11	<0.11	<0.11	<0.22	<0.22	<0.11
KB-46	8/27/02	10-12	326932	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	[redacted]	[redacted]	<0.550	<0.550	[redacted]
KB-46	9/17/02	6-8	328356	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	[redacted]	[redacted]	<0.109	<0.109	[redacted]
KB-47	9/18/02	6-8	328587	<0.552	<0.552	<0.552	<0.552	<0.552	[redacted]	<0.552	<0.552	[redacted]	[redacted]	<1.1	<1.1	[redacted]
KB-i1	5/1/01	2-4	291956	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	[redacted]	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.012	<0.0059
KB-i1	5/1/01	4-6	291957	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.012	<0.0059
KB-i2	5/1/01	5-6	291958	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	[redacted]	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.012	<0.0058
KB-i3	5/1/01	4-6	291959	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	[redacted]	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.012	<0.0059
KB-i4	5/1/01	4-6	291960	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.012	<0.012	<0.0062
KB-i4	5/1/01	13.5-14	291961	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	[redacted]	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
KB-i5	5/1/01	4-6	291962	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	[redacted]	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.012	<0.0061
KB-i6	5/1/01	3-4	291963	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	[redacted]	<0.0062	<0.0062	<0.0062	<0.0062	<0.012	<0.012	<0.0062
KB-i6	5/1/01	4-6	291964	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	[redacted]	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.012	<0.0061
KB-i7	5/1/01	2-4	291965	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	[redacted]	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.012	<0.0060
KB-i8	5/1/01	2-4	291966	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.012	<0.0060
KB-i9	5/1/01	2-4	291967	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.012	<0.0060
KB-i12	5/1/01	2-4	291968	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.012	<0.0060
KB-i13	5/16/01	2-4	293161	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.011	<0.0057
KB-i14	5/18/01	2-4	293309	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.013	<0.013	<0.0065
KB-i15	5/16/01	10-12	293165	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	[redacted]	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.011	<0.0057
KB-i15 Dup	5/16/01	10-12	293166	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	[redacted]	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.011	<0.0056
KB-i16	5/16/01	8-10	293170	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	[redacted]	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
KB-i17	5/18/01	8-10	293312	<0.024	<0.024	<0.024	<0.024	<0.024	[redacted]	<0.024	<0.024	<0.024	<0.024	<0.049	<0.049	<0.026
KB-i17 Dup	5/18/01	8-10	293313	<0.026	<0.026	<0.026	<0.026	<0.026	[redacted]	<0.026	<0.026	<0.026	<0.026	<0.051	<0.051	<0.026
KB-i18	5/18/01	8-10	293317	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	[redacted]	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.010	<0.0052
KB-i19	5/18/01	8-10	293318	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	[redacted]	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.011	<0.0053
MW-152	9/27/95	8-10	W5060414-04	<0.005	NA	NA	<0.005	<0.005	[redacted]	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-152	6/28/95	18-20	W5060414-01	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-154	6/29/95	8-10	W5060414-02	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-154	6/29/95	18-20	W5060414-03	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-155	9/5/95	13-15	W5090064-01	<0.025	NA	NA	<0.025	<0.025	[redacted]	NA	NA	NA	NA	<0.100	[redacted]	<0.025
MW-155	9/5/95	28-30	W5090064-02	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-156	9/5/95	18-20	W5090064-03	<0.005	NA	NA	<0.005	<0.005	[redacted]	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-157	1/23/97	3-5	W7010365-01	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-158	1/23/97	8-10	W7010365-02	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-200	7/10/95	13-15	W5070142-01	<0.005	NA	NA	<0.005	<0.005	[redacted]	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-200	7/14/95	48-50	W5070171-01	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-201	7/11/95	18-20	W5070142-02	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-201	7/11/95	38-40	W5070142-04	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-202	7/11/95	13-15	W5070142-03	<0.005	NA	NA	<0.005	<0.005	[redacted]	NA	NA	NA	NA	<0.020	[redacted]	<0.005
MW-202	7/11/95	33-35	W5070142-05	<0.005	NA	NA	<0.005	<0.005	[redacted]	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-302	1/31/97	48-50	W7010425-02	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
MW-302	1/31/97	63-65	W7010425-03	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	NA	<0.020	<0.010	<0.005
SB10-1	3/1994	2-4	NA	<0.001	NA	NA	NA	NA	[redacted]	NA	NA	NA	NA	NA	<0.001	<0.003
SB10-2	3/1994	6-8	NA	<0.005	NA	NA	NA	NA	[redacted]	NA	NA	NA	NA	NA	<0.005	<0.016
SB10-3	3/1994	4-6	NA	<0.001	NA	NA	NA	NA	<0.001	NA	NA	NA	NA	NA	<0.001	<0.003
SB10-4	3/1994	6-8	NA	<0.120	NA	NA	NA	NA	<0.120	NA	NA	NA	NA	NA	<0.120	[redacted]
SB10-5	3/1994	14-16	NA	<0.120	NA	NA	NA	NA	[redacted]	NA	NA	NA	NA	NA	<0.120	<0.360
SB-132	9/1992	8-10	NA	<3.1	NA	NA	<3.1	NA	[redacted]	NA	NA	NA	NA	NA	<6.3	<3.1
SB-133	9/1992	3-5	NA	<0.630	NA	NA	<0.63	NA	[redacted]	NA	NA	NA	NA	NA	<1.3	<0.630
SB-134	9/1992	8-10	NA	<0.005	NA	NA	<0.005	NA	<0.005	NA	NA	NA	NA	NA	<0.010	<0.005
SB-135	9/1992	8-10	NA	<0.005	NA	NA	<0.005	NA	<0.005	NA	NA	NA	NA	NA	<0.010	<0.005
SB-135 Dup	9/1992	8-10	NA	<0.005	NA	NA	<0.005	NA	<0.005	NA	NA	NA	NA	NA	<0.010	<0.005
SB-145	6/2/93	13-15	69803	<0.1	NA	NA	<0.1	<0.1	<0.1	<0.1	<1.0	NA	NA	<1	<0.5	<0.1
SB-145 Dup	6/2/93	13-15	69804	<0.01	NA	NA	<0.1	<0.1	<0.100	<0.1	<1.0	NA	NA	<1	<0.500	<0.100
SB-145	6/2/93	23-30	69805	[redacted]	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.01	NA	NA	<0.01	<0.01	<0.005
SB-146	6/2/93	13-15	69806	<0.005	NA	NA	<0.005	<0.005	[redacted]	<0.005	<0.01	NA	NA	<0.01	<0.01	<0.005
SB-146	6/2/93	23-25	69807	[redacted]	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.01	NA	NA	<0.01	<0.01	<0.005
SB-147	6/3/93	8-10	69873	<0.1	NA	NA	<0.1	<0.1	[redacted]	<0.1	<1.0	NA	NA	<1	<0.5	<0.1
SB-147	6/3/93	28-30	69874	[redacted]	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.01	NA	NA	<0.01	<0.01	<0.005
SB-148	6/3/93	8-10	69875	<0.1	NA	NA	<0.1	<0.1	[redacted]	<0.1	<1.0	NA	NA	<1	<0.5	<0.1
SB-148	6/3/93	23-25	69876	[redacted]	NA	NA	<0.005	<0.005	[redacted]	<0.005	<0.01	NA	NA	<0.01	<0.01	<0.005
SB-149	6/4/93	8-10	69945	<0.1	NA	NA	<0.1	<0.1	[redacted]	<0.1	<1.0	NA	NA	<1	<0.5	<0.1
SB-150	6/4/93	3-5	69946	<0.1	NA	NA	<0.1	<0.1	[redacted]	<0.1	<1.0	NA	NA	<1	<0.5	[redacted]
SB-150	6/4/93	8-10	69947	<0.1	NA	NA	<0.1	<0.1	[redacted]	<0.1	<1.0	NA	NA	<1	<0.5	<0.1
Tier II Residential Cleanup Goals Subsurface Soil[1]				278.926	NA	235.033	229.642	0.035	0.076	281[2]	NA	1.59[2]	1.74[2]	NA	0.129	1.000
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				1,000	NA	1,405.37	1,000	1.05	25.73	1,000[2]	NA	306[2]	124[2]	NA	0.13	1,000
[redacted] Cleanup Goal																
Detected compound is below the VRP Tier II Residential Cleanup Goal																

VOCs = Volatile Organic Compounds mg/kg = milligrams per kilogram
Samples analyzed using EPA SW-846 Method 8260 NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
(2) Calculated using surrogate toxicity values and Tier II equations.
(3) Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

SUBSURFACE SOIL ANALYTICAL RESULTS FOR PAHs

Table 5b
Subsurface Soil Analytical Results for PAHs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
KB-28	5/15/01	2-4	293130	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
KB-29	5/15/01	10-12	293134	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
KB-30	5/15/01	2-4	293136	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
KB-31	5/15/01	2-4	293138	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
KB-32	5/15/01	8-10	293141	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
KB-33	5/15/01	8-10	293146	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	3.8	<0.36	<0.36
KB-33 Dup.	5/15/01	8-10	293173	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	2.7	<0.36	<0.36
KB-34	5/15/01	2-4	293148	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
KB-35	5/15/01	4-6	293151	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
KB-36	5/15/01	8-10	293154	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
KB-37	5/15/01	2-4	293156	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
KB-38	5/15/01	8-10	293159	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
KB-i1	5/1/01	2-4	291956	<0.39	<0.39	1.3	3.1	1.4	1.8	1.2	0.62	2.7	<0.39	3.8	<0.39	0.58	<0.39	4.9	7.5
KB-i1	5/1/01	4-6	291957	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
KB-i2	5/1/01	5-6	291958	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
KB-i3	5/1/01	4-6	291959	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
KB-i4	5/1/01	4-6	291960	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
KB-i4	5/1/01	13.5-14	291961	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
KB-i5	5/1/01	4-6	291962	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
KB-i6	5/1/01	3-4	291963	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
KB-i6	5/1/01	4-6	291964	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
KB-i7	5/1/01	2-4	291965	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
KB-i8	5/1/01	2-4	291966	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
KB-i9	5/1/01	2-4	291967	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
KB-i12	5/1/01	2-4	291968	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
KB-i13	5/16/01	2-4	293161	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
KB-i14	5/18/01	2-4	293309	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
KB-i15	5/16/01	10-12	293165	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
KB-i15 Dup.	5/16/01	10-12	293166	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
KB-i16	5/16/01	8-10	293170	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
KB-i17	5/18/01	8-10	293312	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
KB-i17 Dup.	5/18/01	8-10	293313	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
KB-i18	5/18/01	8-10	293317	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
KB-i19	5/18/01	8-10	293318	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Tier II Residential Cleanup Goals Subsurface Soil[1]				10,000	0.425[2]	10,000	103.881	69.849	354.977	6,330[2]	501.638	379.273	69.863	2,305.040	8,838.641	629.156	1,761.785	260[3]	10,000
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				10,000	1,280[2]	10,000	103.88	69.85	354.98	8,760[2]	3,759.12	10,000	69.86	10,000	10,000	629.17	10,000	260[3]	10,000

Detected compounds exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compounds is below the VRP Tier II Residential Cleanup Goal

PAHs = Polynuclear Aromatic Hydrocarbons mg/kg = micrograms per kilogram

Samples analyzed using EPA SW-846 Method 8310 NA = Not Applicable

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1995

(2) Calculated using surrogate toxicity values and Tier II equations.

(3) Tier I Health Protective Levels for Phenanthrene, Iodomethane and Acrolein Technical Memo by Indiana Voluntary Remediation Program, Dated 4/21/98

SUBSURFACE SOIL ANALYTICAL RESULTS FOR METALS

Table 5c
Subsurface Soil Analytical Results for Metals (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10`
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Copper	Total Lead
KB-28	5/15/01	2-4	293130	NA	NA	NA	NA	<0.59	11	NA	<4.7
KB-29	5/14/01	2-4	293133	NA	NA	NA	NA	<0.61	28	NA	<49
KB-30	5/15/01	2-4	293136	NA	NA	NA	NA	<0.55	8	NA	19
KB-31	5/15/01	2-4	293138	NA	NA	NA	NA	<0.57	8.2	NA	<4.6
KB-32	5/15/01	2-4	293140	NA	NA	NA	NA	<0.54	9.2	NA	<4.3
KB-33	5/15/01	2-4	293145	NA	NA	NA	NA	88	380	NA	24,000
KB-34	5/16/01	2-4	293148	NA	NA	NA	NA	<0.53	7.9	NA	12
KB-35	5/16/01	2-4	293150	NA	NA	NA	NA	<0.54	6.5	NA	5.1
KB-36	5/16/01	2-4	293153	NA	NA	NA	NA	<0.59	19	NA	<47.
KB-37	5/16/01	2-4	293156	NA	NA	NA	NA	<0.54	6.1	NA	<4.3
KB-38	5/16/01	2-4	293158	NA	NA	NA	NA	1.7	24	NA	<4.8
KB-40	8/26/02	2-4	326762	NA	NA	NA	NA	NA	NA	NA	789
KB-40	8/26/02	4-6	326763	NA	NA	NA	NA	NA	NA	NA	34,000
KB 40	8/26/02	6-8	326764	NA	NA	NA	NA	NA	NA	NA	80
KB-44	8/26/02	2-4	326771	NA	NA	NA	NA	NA	NA	NA	25.1
KB-44	8/26/02	4-6	326772	NA	NA	NA	NA	NA	NA	NA	167
KB-44	8/26/02	6-8	326773	NA	NA	NA	NA	NA	NA	NA	<8.5
KB-45	8/26/02	2-4	326774	NA	NA	NA	NA	NA	NA	NA	544
KB-45	8/26/02	4-6	326775	NA	NA	NA	NA	NA	NA	NA	32
KB-45	8/26/02	6-8	326776	NA	NA	NA	NA	NA	NA	NA	<8.6
KB-46	8/26/02	2-4	326768	NA	NA	NA	NA	NA	NA	NA	142
KB-46	8/26/02	4-6	326769	NA	NA	NA	NA	NA	NA	NA	57.4
KB-46	8/26/02	6-8	326770	NA	NA	NA	NA	NA	NA	NA	104
KB-46	8/27/02	10-12	326932	NA	NA	NA	NA	NA	NA	NA	<8.6
KB-47	8/26/02	2-4	326765	NA	NA	NA	NA	NA	NA	NA	782
KB-47	8/26/02	4-6	326766	NA	NA	NA	NA	NA	NA	NA	33.3
KB-47	8/26/02	6-8	326767	NA	NA	NA	NA	NA	NA	NA	<8.4
KB-i1	5/1/01	2-4	291956	NA	NA	NA	NA	6.1	240	NA	10,000
KB-i1	5/1/01	4-6	291957	NA	NA	NA	NA	2.6	16	NA	280
KB-i2	5/1/01	5-6	291958	NA	NA	NA	NA	8.3	27	NA	830
KB-i3	5/1/01	4-6	291959	NA	NA	NA	NA	5.1	21	NA	800
KB-i4	5/1/01	4-6	291960	NA	NA	NA	NA	<0.62	17	NA	11
KB-i4	5/1/01	13.5-14	291961	NA	NA	NA	NA	1.2	27	NA	1,500
KB-i5	5/1/01	4-6	291962	NA	NA	NA	NA	<0.61	16	NA	26
KB-i6	5/1/01	3-4	291963	NA	NA	NA	NA	1,200	640	NA	9,300
KB-i6	5/1/01	4-6	291964	NA	NA	NA	NA	1.7	15	NA	13
KB-i7	5/1/01	2-4	291965	NA	NA	NA	NA	<0.60	18	NA	11
KB-i8	5/1/01	2-4	291966	NA	NA	NA	NA	<0.60	13	NA	5
KB-i9	5/1/01	2-4	291967	NA	NA	NA	NA	<0.60	14	NA	<4.8
KB-i12	5/1/01	2-4	291968	NA	NA	NA	NA	1.7	10	NA	59
KB-i13	5/16/01	2-4	293161	NA	NA	NA	NA	<0.57	11	NA	13
KB-i14	5/18/01	2-4	293309	NA	NA	NA	NA	<0.65	26	NA	<52.
KB-i15	5/16/01	2-4	293164	NA	NA	NA	NA	<0.59	11	NA	<4.7
KB-i16	5/16/01	2-4	293169	NA	NA	NA	NA	<0.59	13	NA	<4.7
KB-i17	5/18/01	2-4	293310	NA	NA	NA	NA	<0.60	17	NA	<4.8
KB-i17 Dup.	5/18/01	2-4	293311	NA	NA	NA	NA	1.2	16	NA	<4.7
KB-i18	5/18/01	2-4	293314	NA	NA	NA	NA	<0.60	18	NA	<4.8
KB-i18 Dup.	5/18/01	2-4	293315	NA	NA	NA	NA	<0.59	16	NA	<4.7
KB-i19	5/18/01	2-4	293316	NA	NA	NA	NA	<0.60	20	NA	<4.8
MW10-1	03/1994	10-12	NA	NA	3.4	<11	NA	<1	6	NA	4.8
SB10-1	03/1994	2-4	NA	NA	8.4	290	NA	8	39	NA	1,000
SB10-2	03/1994	6-8	NA	NA	4.6	19	NA	<1	6	NA	9.4
SB10-3	03/1994	4-6	NA	NA	3.6	26	NA	<1	9	NA	5.4
SB10-4	03/1994	6-8	NA	NA	7.2	83	NA	<1	22	NA	13
SB10-5	03/1994	14-16	NA	NA	2.1	<11	NA	<1	4	NA	3.9
Tier II Residential Cleanup Goals Subsurface Soil[1]				NA	438	10,000	118.605	730	7,300	54,000 [3]	400 [3]
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				NA	438	10,000	118.6	730	7,300	54,000 [3]	1,000 [3]
Common Background Ranges [2]				NA	1.0 - 40	100 - 3,500	NA	0.01 - 70	5.0 - 3,000	NA	2 - 200

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal
Detected compound exceeds the VRP Tier II Residential Cleanup Goal
Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000
mg/kg = milligrams per kilogram NA = Not Applicable

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

(2) Source: James Dragun. The Soil Chemistry of Hazardous Materials Table 3.1 Native Soil Concentration of Various Elements: p.229, 1998

(3) Calculated using surrogate toxicity values and Tier II equations.

Table 5c
Subsurface Soil Analytical Results for Metals (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Zinc
KB-28	5/15/01	2-4	293130	NA	NA	NA	NA	NA	NA
KB-29	5/14/01	2-4	293133	NA	NA	NA	NA	NA	NA
KB-30	5/15/01	2-4	293136	NA	NA	NA	NA	NA	NA
KB-31	5/15/01	2-4	293138	NA	NA	NA	NA	NA	NA
KB-32	5/15/01	2-4	293140	NA	NA	NA	NA	NA	NA
KB-33	5/15/01	2-4	293145	NA	NA	NA	NA	NA	NA
KB-34	5/16/01	2-4	293148	NA	NA	NA	NA	NA	NA
KB-35	5/16/01	2-4	293150	NA	NA	NA	NA	NA	NA
KB-36	5/16/01	2-4	293153	NA	NA	NA	NA	NA	NA
KB-37	5/16/01	2-4	293156	NA	NA	NA	NA	NA	NA
KB-38	5/16/01	2-4	293158	NA	NA	NA	NA	NA	NA
KB-40	8/26/02	2-4	326762	NA	NA	NA	NA	NA	NA
KB-40	8/26/02	4-6	326763	NA	NA	NA	NA	NA	NA
KB-40	8/26/02	6-8	326764	NA	NA	NA	NA	NA	NA
KB-44	8/26/02	2-4	326771	NA	NA	NA	NA	NA	NA
KB-44	8/26/02	4-6	326772	NA	NA	NA	NA	NA	NA
KB-44	8/26/02	6-8	326773	NA	NA	NA	NA	NA	NA
KB-45	8/26/02	2-4	326774	NA	NA	NA	NA	NA	NA
KB-45	8/26/02	4-6	326775	NA	NA	NA	NA	NA	NA
KB-45	8/26/02	6-8	326776	NA	NA	NA	NA	NA	NA
KB-46	8/26/02	2-4	326768	NA	NA	NA	NA	NA	NA
KB-46	8/26/02	4-6	326769	NA	NA	NA	NA	NA	NA
KB-46	8/26/02	6-8	326770	NA	NA	NA	NA	NA	NA
KB-46	8/27/02	10-12	326932	NA	NA	NA	NA	NA	NA
KB-47	8/26/02	2-4	326765	NA	NA	NA	NA	NA	NA
KB-47	8/26/02	4-6	326766	NA	NA	NA	NA	NA	NA
KB-47	8/26/02	6-8	326767	NA	NA	NA	NA	NA	NA
KB-i1	5/1/01	2-4	291956	NA	NA	NA	NA	NA	NA
KB-i1	5/1/01	4-6	291957	NA	NA	NA	NA	NA	NA
KB-i2	5/1/01	5-6	291958	NA	NA	NA	NA	NA	NA
KB-i3	5/1/01	4-6	291959	NA	NA	NA	NA	NA	NA
KB-i4	5/1/01	4-6	291960	NA	NA	NA	NA	NA	NA
KB-i4	5/1/01	13.5-14	291961	NA	NA	NA	NA	NA	NA
KB-i5	5/1/01	4-6	291962	NA	NA	NA	NA	NA	NA
KB-i6	5/1/01	3-4	291963	NA	NA	NA	NA	NA	NA
KB-i6	5/1/01	4-6	291964	NA	NA	NA	NA	NA	NA
KB-i7	5/1/01	2-4	291965	NA	NA	NA	NA	NA	NA
KB-i8	5/1/01	2-4	291966	NA	NA	NA	NA	NA	NA
KB-i9	5/1/01	2-4	291967	NA	NA	NA	NA	NA	NA
KB-i12	5/1/01	2-4	291968	NA	NA	NA	NA	NA	NA
KB-i13	5/16/01	2-4	293161	NA	NA	NA	NA	NA	NA
KB-i14	5/18/01	2-4	293309	NA	NA	NA	NA	NA	NA
KB-i15	5/16/01	2-4	293164	NA	NA	NA	NA	NA	NA
KB-i16	5/16/01	2-4	293169	NA	NA	NA	NA	NA	NA
KB-i17	5/18/01	2-4	293310	NA	NA	NA	NA	NA	NA
KB-i17 Dup.	5/18/01	2-4	293311	NA	NA	NA	NA	NA	NA
KB-i18	5/18/01	2-4	293314	NA	NA	NA	NA	NA	NA
KB-i18 Dup.	5/18/01	2-4	293315	NA	NA	NA	NA	NA	NA
KB-i19	5/18/01	2-4	293316	NA	NA	NA	NA	NA	NA
MW10-1	03/1994	10-12	NA	0.1	NA	2.0	<1	NA	NA
SB10-1	03/1994	2-4	NA	0.5	NA	1.6	<1	NA	NA
SB10-2	03/1994	6-8	NA	<1	NA	2.0	<1	NA	NA
SB10-3	03/1994	4-6	NA	0.1	NA	2.5	<1	NA	NA
SB10-4	03/1994	6-8	NA	<0.1	NA	<0.6	<1	NA	NA
SB10-5	03/1994	14-16	NA	<0.1	NA	3.3	<1	NA	NA
Tier II Residential Cleanup Goals Subsurface Soil[1]				87.6	10,000	7,300	7,300	NA	10,000
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				87.6	10,000	7,300	7,300	NA	10,000
Common Background Ranges [2]				0.01 - 4.15	NA	0.1 - 2.0	0.1 - 50	NA	NA

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000

mg/kg = milligrams per kilogram NA = Not Applicable

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

(2) Source: James Dragun. The Soil Chemistry of Hazardous Materials Table 3.1 Native Soil Concentration of Various Elements: p.229, 1998

(3) Calculated using surrogate toxicity values and Tier II equations.

GEOPROBE® GROUNDWATER ANALYTICAL RESULTS FOR VOCs

Table 6a
Geoprobe Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
HP-1	9/6/95	7	W5090064-05	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0
KB-1W	3/1/00	10-15	260548	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-2W	3/1/00	16-20	260549	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-3W	3/1/00	19-23	260550	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-4W	3/3/00	32-36	261735	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-5W	3/6/00	32-36	261736	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-6W	3/3/00	22.5-26.5	261737	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-7W	4/6/00	33-36	263438	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-8W	4/14/00	31-35	50526177	<100	<100	<100	<5	<5	<5	<5	<5
KB-9W	4/14/00	35-40	50526185	<100	<100	<100	<5	<5	<5	<5	<5
KB-10W	4/5/00	22-25	263430	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-11W	4/5/00	21-24	263431	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-12W	4/5/00	17-20	263432	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-13W	4/6/00	14-17	263433	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-14W	4/6/00	15-18	263435	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-15W	4/6/00	16-19	263436	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-15W Dup.	4/6/00	16-19	263437	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-16W	5/3/00	29-34	50548940	<100	<100	<100	<5	<5	<5	<5	<5
KB-17W	5/3/00	24.5-29.5	50548932	<100	<100	<100	<5	<5	<5	<5	<5
KB-18W	7/11/00	44-48	270499	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-19W	7/11/00	20-24	270500	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-19W	7/11/00	44-48	270501	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-20W	7/12/00	20-24	270502	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-20W	7/12/00	31-35	270503	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-21W	7/13/00	30-34	270752	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-22W	7/13/00	26-30	270753	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-23W	7/14/00	18-22	270754	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-23W	7/14/00	26-30	270755	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-24W	7/17/00	32-36	271017	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-25W	7/18/00	32-36	271018	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-26W	7/18/00	20-24	271020	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-26W	7/18/00	32-36	271019	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-27W	7/24/00	28-32	271397	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-39W	8/27/02	20-24	326931	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0
KB-i2W	5/1/01	13-17	291969	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i12W	5/1/01	13-17	291970	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i14W	5/16/01	13-18	293162	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i15W	5/16/01	13-18	293167	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i17W	5/18/01	14-19	293320	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i17 Dup.	5/18/01	14-19	293322	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
STA-GW	3/2/00	NA	260553	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
STB-GW	3/2/00	NA	260555	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
STC-GW	3/2/00	NA	260557	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
STD-GW	3/2/00	NA	260559	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
STE-GW	3/2/00	NA	260561	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				3,040	NA	NA	5.0	NA	NA	0.289[2]	NA
Tier II Non-Residential Cleanup Goals - Groundwater [1]				10,220	NA	NA	98.6	NA	NA	46.1[2]	NA

[redacted] Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

[redacted] Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organi Samples analyzed using EPA SW-846 Method 8260

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 6a
Geoprobe Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Bromomethane	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
HP-1	9/6/95	7	W5090064-05	<10	NA	NA	NA	<5.0	<5.0	<5.0
KB-1W	3/1/00	10-15	260548	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-2W	3/1/00	16-20	260549	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-3W	3/1/00	19-23	260550	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-4W	3/3/00	32-36	261735	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-5W	3/6/00	32-36	261736	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-6W	3/3/00	22.5-26.5	261737	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-7W	4/6/00	33-36	263438	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-8W	4/14/00	31-35	50526177	<5	<5	<5	<5	<5	<5	<5
KB-9W	4/14/00	35-40	50526185	<5	<5	<5	<5	<5	<5	<5
KB-10W	4/5/00	22-25	263430.	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-11W	4/5/00	21-24	263431	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-12W	4/5/00	17-20	263432	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-13W	4/6/00	14-17	263433	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-14W	4/6/00	15-18	263435	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-15W	4/6/00	16-19	263436	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-15W Dup.	4/6/00	16-19	263437	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-16W	5/3/00	29-34	50548940	<5	<5	<5	<5	<5	<5	<5
KB-17W	5/3/00	24.5-29.5	50548932	<5	<5	<5	<5	<5	<5	<5
KB-18W	7/11/00	44-48	270499	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-19W	7/11/00	20-24	270500	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-19W	7/11/00	44-48	270501	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-20W	7/12/00	20-24	270502	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-20W	7/12/00	31-35	270503	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-21W	7/13/00	30-34	270752	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-22W	7/13/00	26-30	270753	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-23W	7/14/00	18-22	270754	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-23W	7/14/00	26-30	270755	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-24W	7/17/00	32-36	271017	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-25W	7/18/00	32-36	271018	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-26W	7/18/00	20-24	271020	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-26W	7/18/00	32-36	271019	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-27W	7/24/00	28-32	271397	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-39W	8/27/02	20-24	326931	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
KB-i2W	5/1/01	13-17	291969	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i12W	5/1/01	13-17	291970	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i14W	5/16/01	13-18	293162	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i15W	5/16/01	13-18	293167	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i17W	5/18/01	14-19	293320	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i17 Dup.	5/18/01	14-19	293322	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STA-GW	3/2/00	NA	260553	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STB-GW	3/2/00	NA	260555	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STC GW	3/2/00	NA	260557	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STD-GW	3/2/00	NA	260559	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STE-GW	3/2/00	NA	260561	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	64[2]	64[2]	64[2]	1,060[2]	NA	112[2]
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	1,020[2]	1,020[2]	1,020[2]	10,200[2]	NA	2,040[2]
Detected compounds exceeds the VRP Tier II Non-Residential Cleanup Goal										
Detected compound is below the VRP Tier II Residential Cleanup Goal										

VOCs = Volatile Organi Samples analyzed using EPA SW-846 Method 8260
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter
NA – Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 6a
Geoprobe Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	2-Chloroethyl vinyl ether
HP-1	9/6/95	7	W5090064-05	<5.0	<5.0	<5.0	<10	NA	NA	<10
KB-1W	3/1/00	10-15	260548	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-2W	3/1/00	16-20	260549	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-3W	3/1/00	19-23	260550	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-4W	3/3/00	32-36	261735	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-5W	3/6/00	32-36	261736	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-6W	3/3/00	22.5-26.5	261737	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-7W	4/6/00	33-36	263438	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-8W	4/14/00	31-35	50526177	<5	<5	<5	<5	<5	<5	<50
KB-9W	4/14/00	35-40	50526185	<5	<5	<5	<5	<5	<5	<50
KB-10W	4/5/00	22-25	263430	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-11W	4/5/00	21-24	263431	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-12W	4/5/00	17-20	263432	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-13W	4/6/00	14-17	263433	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-14W	4/6/00	15-18	263435	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-15W	4/6/00	16-19	263436	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-15W Dup.	4/6/00	16-19	263437	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-16W	5/3/00	29-34	50548940	<5	<5	<5	<5	<5	<5	<50
KB-17W	5/3/00	24.5-29.5	50548932	<5	<5	<5	<5	<5	<5	<50
KB-18W	7/11/00	44-48	270499	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-19W	7/11/00	20-24	270500	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-19W	7/11/00	44-48	270501	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-20W	7/12/00	20-24	270502	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-20W	7/12/00	31-35	270503	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-21W	7/13/00	30-34	270752	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-22W	7/13/00	26-30	270753	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-23W	7/14/00	18-22	270754	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-23W	7/14/00	26-30	270755	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-24W	7/17/00	32-36	271017	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-25W	7/18/00	32-36	271018	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-26W	7/18/00	20-24	271020	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-26W	7/18/00	32-36	271019	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-27W	7/24/00	28-32	271397	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-39W	8/27/02	20-24	326931	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0
KB-i2W	5/1/01	13-17	291969	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-i12W	5/1/01	13-17	291970	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-i14W	5/16/01	13-18	293162	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-i15W	5/16/01	13-18	293167	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-i17W	5/18/01	14-19	293320	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
KB-i17 Dup.	5/18/01	14-19	293322	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
STA-GW	3/2/00	NA	260553	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
STB-GW	3/2/00	NA	260555	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
STC-GW	3/2/00	NA	260557	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
STD-GW	3/2/00	NA	260559	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
STE-GW	3/2/00	NA	260561	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.
Tier II Residential Cleanup Goals - Groundwater [1]				NA	23,161	100	NA	NA	NA	NA
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	NA	468.9	NA	NA	NA	NA
Detected compounds in VRP Tier II Non-Residential Cleanup Goal										
Detected compound is below the VRP Tier II Residential Cleanup Goal										

VOCs = Volatile Organi Samples analyzed using EPA SW-846 Method 8260
Samples analyzed using EPA SW 846 Method 8260
µg/L = micrograms per liter
NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 6a
Geoprobe Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
HP-1	9/6/95	7	W5090064-05	NA	NA	NA	<10	<10	<10	NA
KB-1W	3/1/00	10-15	260548	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-2W	3/1/00	16-20	260549	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-3W	3/1/00	19-23	260550	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-4W	3/3/00	32-36	261735	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-5W	3/6/00	32-36	261736	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-6W	3/3/00	22.5-26.5	261737	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-7W	4/6/00	33-36	263438	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-8W	4/14/00	31-35	50526177	<5	<5	<5	<5	<5	<5	<5
KB-9W	4/14/00	35-40	50526185	<5	<5	<5	<5	<5	<5	<5
KB-10W	4/5/00	22-25	263430	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-11W	4/5/00	21-24	263431	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-12W	4/5/00	17-20	263432	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-13W	4/6/00	14-17	263433	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-14W	4/6/00	15-18	263435	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-15W	4/6/00	16-19	263436	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-15W Dup.	4/6/00	16-19	263437	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-16W	5/3/00	29-34	50548940	<5	<5	<5	<5	<5	<5	<5
KB-17W	5/3/00	24.5-29.5	50548932	<5	<5	<5	<5	<5	<5	<5
KB-18W	7/11/00	44-48	270499	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-19W	7/11/00	20-24	270500	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-19W	7/11/00	44-48	270501	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-20W	7/12/00	20-24	270502	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-20W	7/12/00	31-35	270503	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-21W	7/13/00	30-34	270752	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-22W	7/13/00	26-30	270753	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-23W	7/14/00	18-22	270754	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-23W	7/14/00	26-30	270755	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-24W	7/17/00	32-36	271017	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-25W	7/18/00	32-36	271018	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-26W	7/18/00	20-24	271020	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-26W	7/18/00	32-36	271019	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-27W	7/24/00	28-32	271397	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-39W	8/27/02	20-24	326931	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
KB-i2W	5/1/01	13-17	291969	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-i12W	5/1/01	13-17	291970	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-i14W	5/16/01	13-18	293162	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-i15W	5/16/01	13-18	293167	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-i17W	5/18/01	14-19	293320	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
KB-i17 Dup.	5/18/01	14-19	293322	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
STA-GW	3/2/00	NA	260553	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
STB-GW	3/2/00	NA	260555	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
STC-GW	3/2/00	NA	260557	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
STD-GW	3/2/00	NA	260559	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
STE-GW	3/2/00	NA	260561	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10
Tier II Residential Cleanup Goals - Groundwater [1]				NA	NA	NA	600	600	75	NA
Tier II Non Residential Cleanup Goals - Groundwater [1]				NA	NA	NA	9,198	NA	119.2	NA

Detected compound exceeds the VRP Tier II Non Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organi Samples analyzed using EPA SW-846 Method 8260

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 6a
Geoprobe Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	trans-1,4-Dichloro-2-butene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane
HP-1	9/6/95	7	W5090064-05	NA	<5.0	<5.0	<5.0	3,900	12	<5.0
KB-1W	3/1/00	10-15	260548	<50	<5.0	<5.0	<5.0	[redacted]	17	<5.0
KB-2W	3/1/00	16-20	260549	<50	<5.0	<5.0	<5.0	11	<5.0	<5.0
KB-3W	3/1/00	19-23	260550	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-4W	3/3/00	32-36	261735	<50	<5.0	<5.0	<5.0	[redacted]	<5.0	<5.0
KB-5W	3/6/00	32-36	261736	<50	<5.0	<5.0	<5.0	[redacted]	<5.0	<5.0
KB-6W	3/3/00	22.5-26.5	261737	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-7W	4/6/00	33-36	263438	<50	<5.0	<5.0	<5.0	83	<5.0	<5.0
KB-8W	4/14/00	31-35	50526177	<100	<5	<5	10	5,600	19	<5
KB-9W	4/14/00	35-40	50526185	<100	<5	<5	<5	<5	<5	<5
KB-10W	4/5/00	22-25	263430	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-11W	4/5/00	21-24	263431	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-12W	4/5/00	17-20	263432	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-13W	4/6/00	14-17	263433	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-14W	4/6/00	15-18	263435	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-15W	4/6/00	16-19	263436	<50	<5.0	<5.0	<5.0	20	<5.0	<5.0
KB-15W Dup.	4/6/00	16-19	263437	<50	<5.0	<5.0	<5.0	39	<5.0	<5.0
KB-16W	5/3/00	29-34	50548940	<100	<5	<5	<5	[redacted]	17	<5
KB-17W	5/3/00	24.5-29.5	50548932	<100	<5	<5	<5	<5	<5	<5
KB-18W	7/11/00	44-48	270499	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-19W	7/11/00	20-24	270500	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-19W	7/11/00	44-48	270501	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-20W	7/12/00	20-24	270502	<50	<5.0	<5.0	<5.0	21	<5.0	<5.0
KB-20W	7/12/00	31-35	270503	<50	<5.0	<5.0	<5.0	[redacted]	<5.0	<5.0
KB-21W	7/13/00	30-34	270752	<50	<5.0	<5.0	<5.0	9.1	<5.0	<5.0
KB-22W	7/13/00	26-30	270753	<50	<5.0	<5.0	<5.0	9.4	<5.0	<5.0
KB-23W	7/14/00	18-22	270754	<50	<5.0	<5.0	<5.0	[redacted]	<5.0	<5.0
KB-23W	7/14/00	26-30	270755	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-24W	7/17/00	32-36	271017	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-25W	7/18/00	32-36	271018	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-26W	7/18/00	20-24	271020	<50	<5.0	<5.0	5.4	160	5.5	<5.0
KB-26W	7/18/00	32-36	271019	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-27W	7/24/00	28-32	271397	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-39W	8/27/02	20-24	326931	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
KB-i2W	5/1/01	13-17	291969	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i12W	5/1/01	13-17	291970	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i14W	5/16/01	13-18	293162	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i15W	5/16/01	13-18	293167	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i17W	5/18/01	14-19	293320	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i17 Dup.	5/18/01	14-19	293322	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STA-GW	3/2/00	NA	260553	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STB-GW	3/2/00	NA	260555	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STC-GW	3/2/00	NA	260557	<50	<5.0	<5.0	<5.0	6.3	<5.0	<5.0
STD-GW	3/2/00	NA	260559	<50	<5.0	<5.0	<5.0	9.7	<5.0	<5.0
STE-GW	3/2/00	NA	260561	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	640	5.0	7.0	70	128[2]	NA
Tier II Non-Residential Cleanup Goals - Groundwater[1]				NA	10,220	31.4	7.0	1,022	2,040[2]	NA

[redacted] Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

[redacted] Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organi Samples analyzed using EPA SW-846 Method 8260

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

NA = Not Applicable

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

(2) Calculated using surrogate toxicity values and Tier II equations.

Table 6a
Geoprobe Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethyl Acetate	Ethylbenzene
HP-1	9/6/95	7	W5090064-05	NA	NA	NA	<5.0	<5.0	NA	<5.0
KB-1W	3/1/00	10-15	260548	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-2W	3/1/00	16-20	260549	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-3W	3/1/00	19-23	260550	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-4W	3/3/00	32-36	261735	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-5W	3/6/00	32-36	261736	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-6W	3/3/00	22.5-26.5	261737	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-7W	4/6/00	33-36	263438	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-8W	4/14/00	31-35	50526177	<5	<5	<5	<5	<5	NA	<5
KB-9W	4/14/00	35-40	50526185	<5	<5	<5	<5	<5	NA	<5
KB-10W	4/5/00	22-25	263430	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-11W	4/5/00	21-24	263431	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-12W	4/5/00	17-20	263432	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-13W	4/6/00	14-17	263433	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-14W	4/6/00	15-18	263435	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-15W	4/6/00	16-19	263436	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-15W Dup.	4/6/00	16-19	263437	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-16W	5/3/00	29-34	50548940	<5	<5	<5	<5	<5	NA	<5
KB-17W	5/3/00	24.5-29.5	50548932	<5	<5	<5	<5	<5	NA	<5
KB-18W	7/11/00	44-48	270499	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-19W	7/11/00	20-24	270500	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-19W	7/11/00	44-48	270501	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-20W	7/12/00	20-24	270502	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-20W	7/12/00	31-35	270503	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-21W	7/13/00	30-34	270752	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-22W	7/13/00	26-30	270753	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-23W	7/14/00	18-22	270754	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-23W	7/14/00	26-30	270755	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-24W	7/17/00	32-36	271017	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-25W	7/18/00	32-36	271018	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-26W	7/18/00	20-24	271020	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-26W	7/18/00	32-36	271019	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-27W	7/24/00	28-32	271397	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-39W	8/27/02	20-24	326931	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
KB-i2W	5/1/01	13-17	291969	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-i12W	5/1/01	13-17	291970	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-i14W	5/16/01	13-18	293162	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-i15W	5/16/01	13-18	293167	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-i17W	5/18/01	14-19	293320	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-i17 Dup.	5/18/01	14-19	293322	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
STA-GW	3/2/00	NA	260553	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
STB-GW	3/2/00	NA	260555	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
STC-GW	3/2/00	NA	260557	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
STD-GW	3/2/00	NA	260559	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
STE-GW	3/2/00	NA	260561	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	NA	0.850[2]	NA	NA	NA	700
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	NA	28.6[2]	NA	NA	NA	10,220

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organi Samples analyzed using EPA SW-846 Method 8260

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

NA – Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 6a
Geoprobe Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Ethyl methacrylate	2-Hexanone	Hexachlorobutadiene	Iodomethane	Isopropylbenzene	p-Isopropyltoluene
HP-1	9/6/95	7	W5090064-05	NA	<20	NA	NA	NA	NA
KB-1W	3/1/00	10-15	260548	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-2W	3/1/00	16-20	260549	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-3W	3/1/00	19-23	260550	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-4W	3/3/00	32-36	261735	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-5W	3/6/00	32-36	261736	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-6W	3/3/00	22.5-26.5	261737	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-7W	4/6/00	33-36	263438	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-8W	4/14/00	31-35	50526177	<100	<10	<5	<10	<5	<5
KB-9W	4/14/00	35-40	50526185	<100	<10	<5	<10	<5	<5
KB-10W	4/5/00	22-25	263430	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-11W	4/5/00	21-24	263431	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-12W	4/5/00	17-20	263432	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-13W	4/6/00	14-17	263433	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-14W	4/6/00	15-18	263435	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-15W	4/6/00	16-19	263436	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-15W Dup.	4/6/00	16-19	263437	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-16W	5/3/00	29-34	50548940	<100	<10	<5	<10	<5	<5
KB-17W	5/3/00	24.5-29.5	50548932	<100	<10	<5	<10	<5	<5
KB-18W	7/11/00	44-48	270499	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-19W	7/11/00	20-24	270500	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-19W	7/11/00	44-48	270501	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-20W	7/12/00	20-24	270502	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-20W	7/12/00	31-35	270503	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-21W	7/13/00	30-34	270752	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-22W	7/13/00	26-30	270753	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-23W	7/14/00	18-22	270754	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-23W	7/14/00	26-30	270755	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-24W	7/17/00	32-36	271017	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-25W	7/18/00	32-36	271018	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-26W	7/18/00	20-24	271020	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-26W	7/18/00	32-36	271019	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-27W	7/24/00	28-32	271397	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-39W	8/27/02	20-24	326931	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0
KB-i2W	5/1/01	13-17	291969	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-i12W	5/1/01	13-17	291970	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-i14W	5/16/01	13-18	293162	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-i15W	5/16/01	13-18	293167	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-i17W	5/18/01	14-19	293320	<10.	<50.	<5.0	<10.	<5.0	<5.0
KB-i17 Dup.	5/18/01	14-19	293322	<10.	<50.	<5.0	<10.	<5.0	<5.0
STA-GW	3/2/00	NA	260553	<10.	<50.	<5.0	<10.	<5.0	<5.0
STB GW	3/2/00	NA	260555	<10.	<50.	<5.0	<10.	<5.0	<5.0
STC-GW	3/2/00	NA	260557	<10.	<50.	<5.0	<10.	<5.0	<5.0
STD-GW	3/2/00	NA	260559	<10.	<50.	<5.0	<10.	<5.0	<5.0
STE-GW	3/2/00	NA	260561	<10.	<50.	<5.0	<10.	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	NA	10	NA	689[2]	445[2]
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	NA	36.7	NA	10,200[2]	10,200[2]

Detected concentration exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organi Samples analyzed using EPA SW 846 Method 8260

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 6a
Geoprobe Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Methylene chloride	Methyl-ethyl-ketone (MEK)	Methyl-tert-butyl ether (MTBE)	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene
HP-1	9/6/95	7	W5090064-05	<5.0	<20	NA	<20	NA	NA
KB-1W	3/1/00	10-15	260548	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-2W	3/1/00	16-20	260549	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-3W	3/1/00	19-23	260550	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-4W	3/3/00	32-36	261735	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-5W	3/6/00	32-36	261736	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-6W	3/3/00	22.5-26.5	261737	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-7W	4/6/00	33-36	263438	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-8W	4/14/00	31-35	50526177	<5	<10	<5	<10	<5	<5
KB-9W	4/14/00	35-40	50526185	<5	<10	<5	<10	<5	<5
KB-10W	4/5/00	22-25	263430	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-11W	4/5/00	21-24	263431	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-12W	4/5/00	17-20	263432	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-13W	4/6/00	14-17	263433	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-14W	4/6/00	15-18	263435	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-15W	4/6/00	16-19	263436	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-15W Dup.	4/6/00	16-19	263437	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-16W	5/3/00	29-34	50548940	<5	<10	<5	<10	<5	<5
KB-17W	5/3/00	24.5-29.5	50548932	<5	<10	<5	<10	<5	<5
KB-18W	7/11/00	44-48	270499	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-19W	7/11/00	20-24	270500	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-19W	7/11/00	44-48	270501	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-20W	7/12/00	20-24	270502	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-20W	7/12/00	31-35	270503	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-21W	7/13/00	30-34	270752	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-22W	7/13/00	26-30	270753	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-23W	7/14/00	18-22	270754	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-23W	7/14/00	26-30	270755	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-24W	7/17/00	32-36	271017	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-25W	7/18/00	32-36	271018	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-26W	7/18/00	20-24	271020	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-26W	7/18/00	32-36	271019	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-27W	7/24/00	28-32	271397	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-39W	8/27/02	20-24	326931	<5.0	<12.5	<5.0	<12.5	<5.0	<1.0
KB-i2W	5/1/01	13-17	291969	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-i12W	5/1/01	13-17	291970	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-i14W	5/16/01	13-18	293162	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-i15W	5/16/01	13-18	293167	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-i17W	5/18/01	14-19	293320	<10.	<50.	<10.	<50.	<5.0	<5.0
KB-i17 Dup.	5/18/01	14-19	293322	<10.	<50.	<10.	<50.	<5.0	<5.0
STA-GW	3/2/00	NA	260553	<10.	<50.	<10.	<50.	<5.0	<5.0
STB-GW	3/2/00	NA	260555	<10.	<50.	<10.	<50.	<5.0	<5.0
STC-GW	3/2/00	NA	260557	<10.	<50	<10.	<50.	<5.0	<5.0
STD-GW	3/2/00	NA	260559	<10.	<50.	<10.	<50.	<5.0	<5.0
STE-GW	3/2/00	NA	260561	<10.	<50.	<10.	<50.	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				6.30[2]	917.72	45	1,520	1,216	64[2]
Tier II Non-Residential Cleanup Goals - Groundwater [1]				381[2]	5,110	715	5,110	4,088	1,020[2]

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organi Samples analyzed using EPA SW-846 Method 8260

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 6a
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Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Tetrahydrofuran	Toluene
HP-1	9/6/95	7	W5090064-05	<5.0	NA	<5.0	<5.0	NA	<5.0
KB-1W	3/1/00	10-15	260548	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-2W	3/1/00	16-20	260549	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-3W	3/1/00	19-23	260550	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-4W	3/3/00	32-36	261735	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-5W	3/6/00	32-36	261736	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-6W	3/3/00	22.5-26.5	261737	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-7W	4/6/00	33-36	263438	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-8W	4/14/00	31-35	50526177	<5	<5	<5	<5	NA	<5
KB-9W	4/14/00	35-40	50526185	<5	<5	<5	<5	NA	<5
KB-10W	4/5/00	22-25	263430	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-11W	4/5/00	21-24	263431	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-12W	4/5/00	17-20	263432	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-13W	4/6/00	14-17	263433	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-14W	4/6/00	15-18	263435	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-15W	4/6/00	16-19	263436	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-15W Dup.	4/6/00	16-19	263437	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-16W	5/3/00	29-34	50548940	<5	<5	<5	<5	NA	<5
KB-17W	5/3/00	24.5-29.5	50548932	<5	<5	<5	<5	NA	<5
KB-18W	7/11/00	44-48	270499	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-19W	7/11/00	20-24	270500	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-19W	7/11/00	44-48	270501	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-20W	7/12/00	20-24	270502	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-20W	7/12/00	31-35	270503	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-21W	7/13/00	30-34	270752	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-22W	7/13/00	26-30	270753	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-23W	7/14/00	18-22	270754	<5.0	<5.0	<5.0	[redacted]	NA	<5.0
KB-23W	7/14/00	26-30	270755	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-24W	7/17/00	32-36	271017	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-25W	7/18/00	32-36	271018	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-26W	7/18/00	20-24	271020	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-26W	7/18/00	32-36	271019	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-27W	7/24/00	28-32	271397	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-39W	8/27/02	20-24	326931	<1.0	<1.0	<1.0	<1.0	NA	<1.0
KB-i2W	5/1/01	13-17	291969	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-i12W	5/1/01	13-17	291970	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-i14W	5/16/01	13-18	293162	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-i15W	5/16/01	13-18	293167	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-i17W	5/18/01	14-19	293320	<5.0	<5.0	<5.0	<5.0	NA	<5.0
KB-i17 Dup.	5/18/01	14-19	293322	<5.0	<5.0	<5.0	<5.0	NA	<5.0
STA-GW	3/2/00	NA	260553	<5.0	<5.0	<5.0	<5.0	NA	<5.0
STB-GW	3/2/00	NA	260555	<5.0	<5.0	<5.0	<5.0	NA	<5.0
STC-GW	3/2/00	NA	260557	<5.0	<5.0	<5.0	<5.0	NA	<5.0
STD-GW	3/2/00	NA	260559	<5.0	<5.0	<5.0	<5.0	NA	<5.0
STE-GW	3/2/00	NA	260561	<5.0	<5.0	<5.0	<5.0	NA	<5.0
[redacted]									
Tier II Residential Cleanup Goals - Groundwater [1]				NA	5	5	5	NA	1,000
[redacted]									
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	110	14.3	56.1	NA	20,440

[redacted]
[redacted]
[redacted] Tier II Residential Cleanup Goal

VOCs = Volatile Organi Samples analyzed using EPA SW-846 Method 8260
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter
NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 6a
Geoprobe Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane
HP-1	9/6/95	7	W5090064-05	NA	NA	<5.0	<5.0	[redacted]	NA
KB-1W	3/1/00	10-15	260548	<5.0	<5.0	<5.0	<5.0	[redacted]	<5.0
KB-2W	3/1/00	16-20	260549	<5.0	<5.0	<5.0	<5.0	[redacted]	<5.0
KB-3W	3/1/00	19-23	260550	<5.0	<5.0	<5.0	<5.0	[redacted]	<5.0
KB-4W	3/3/00	32-36	261735	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-5W	3/6/00	32-36	261736	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-6W	3/3/00	22.5-26.5	261737	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-7W	4/6/00	33-36	263438	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-8W	4/14/00	31-35	50526177	<5	<5	<5	<5	<5	<5
KB-9W	4/14/00	35-40	50526185	<5	<5	<5	<5	<5	<5
KB-10W	4/5/00	22-25	263430	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-11W	4/5/00	21-24	263431	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-12W	4/5/00	17-20	263432	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-13W	4/6/00	14-17	263433	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-14W	4/6/00	15-18	263435	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-15W	4/6/00	16-19	263436	<5.0	<5.0	<5.0	<5.0	[redacted]	<5.0
KB-15W Dup.	4/6/00	16-19	263437	<5.0	<5.0	<5.0	<5.0	[redacted]	<5.0
KB-16W	5/3/00	29-34	50548940	<5	<5	<5	<5	<5	<5
KB-17W	5/3/00	24.5-29.5	50548932	<5	<5	<5	<5	<5	<5
KB-18W	7/11/00	44-48	270499	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-19W	7/11/00	20-24	270500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-19W	7/11/00	44-48	270501	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-20W	7/12/00	20-24	270502	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-20W	7/12/00	31-35	270503	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-21W	7/13/00	30-34	270752	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-22W	7/13/00	26-30	270753	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-23W	7/14/00	18-22	270754	<5.0	<5.0	<5.0	<5.0	[redacted]	<5.0
KB-23W	7/14/00	26-30	270755	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-24W	7/17/00	32-36	271017	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-25W	7/18/00	32-36	271018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-26W	7/18/00	20-24	271020	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-26W	7/18/00	32-36	271019	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-27W	7/24/00	28-32	271397	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-39W	8/27/02	20-24	326931	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
KB-i2W	5/1/01	13-17	291969	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i12W	5/1/01	13-17	291970	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i14W	5/16/01	13-18	293162	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
KB-i15W	5/16/01	13-18	293167	<5.0	<5.0	<5.0	<5.0	[redacted]	<5.0
KB-i17W	5/18/01	14-19	293320	<5.0	<5.0	<5.0	<5.0	[redacted]	<5.0
KB-i17 Dup.	5/18/01	14-19	293322	<5.0	<5.0	<5.0	<5.0	[redacted]	<5.0
STA-GW	3/2/00	NA	260553	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STB-GW	3/2/00	NA	260555	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STC-GW	3/2/00	NA	260557	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STD-GW	3/2/00	NA	260559	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STE-GW	3/2/00	NA	260561	<5.0	<5.0	<5.0	<5.0	[redacted]	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	70	200	5	5	1,380[2]
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	1,022	9,198	50.2	260	30,700[2]
[redacted]									
Detected compound is below the VRP Tier II Residential Cleanup Goal									

VOCs = Volatile Organi Samples analyzed using EPA SW-846 Method 8260
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter
NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 6a
Geoprobe Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	Vinyl chloride	Xylenes, (Total)
HP-1	9/6/95	7	W5090064-05	NA	NA	NA	<20	800	<5.0
KB-1W	3/1/00	10-15	260548	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-2W	3/1/00	16-20	260549	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-3W	3/1/00	19-23	260550	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-4W	3/3/00	32-36	261735	<5.0	<5.0	<5.0	<10.	140	<5.0
KB-5W	3/6/00	32-36	261736	<5.0	<5.0	<5.0	<10.	2.8	<5.0
KB-6W	3/3/00	22.5-26.5	261737	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-7W	4/6/00	33-36	263438	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-8W	4/14/00	31-35	50526177	<5	<5	<5	<10	640	<5
KB-9W	4/14/00	35-40	50526185	<5	<5	<5	<10	15	<5
KB-10W	4/5/00	22-25	263430	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-11W	4/5/00	21-24	263431	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-12W	4/5/00	17-20	263432	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-13W	4/6/00	14-17	263433	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-14W	4/6/00	15-18	263435	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-15W	4/6/00	16-19	263436	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-15W Dup.	4/6/00	16-19	263437	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
KB-16W	5/3/00	29-34	50548940	<5	<5	<5	<10	160	<5
KB-17W	5/3/00	24.5-29.5	50548932	<5	<5	<5	<10	39	<5
KB-18W	7/11/00	44-48	270499	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
KB-19W	7/11/00	20-24	270500	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
KB-19W	7/11/00	44-48	270501	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
KB-20W	7/12/00	20-24	270502	<5.0	<5.0	<5.0	<10.	18	<5.0
KB-20W	7/12/00	31-35	270503	<5.0	<5.0	<5.0	<10.	97	<5.0
KB-21W	7/13/00	30-34	270752	<5.0	<5.0	<5.0	<10.	310	<5.0
KB-22W	7/13/00	26-30	270753	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
KB-23W	7/14/00	18-22	270754	<5.0	<5.0	<5.0	<10.	11	<5.0
KB-23W	7/14/00	26-30	270755	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
KB-24W	7/17/00	32-36	271017	<5.0	<5.0	<5.0	<10.	29	<5.0
KB-25W	7/18/00	32-36	271018	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
KB-26W	7/18/00	20-24	271020	<5.0	<5.0	<5.0	<10.	20	<5.0
KB-26W	7/18/00	32-36	271019	<5.0	<5.0	<5.0	<10.	53	<5.0
KB-27W	7/24/00	28-32	271397	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
KB-39W	8/27/02	20-24	326931	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
KB-i2W	5/1/01	13-17	291969	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
KB-i12W	5/1/01	13-17	291970	<5.0	<5.0	<5.0	<10	<2.0	<5.0
KB-i14W	5/16/01	13-18	293162	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
KB-i15W	5/16/01	13-18	293167	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
KB-i17W	5/18/01	14-19	293320	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
KB-i17 Dup.	5/18/01	14-19	293322	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
STA-GW	3/2/00	NA	260553	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STB-GW	3/2/00	NA	260555	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STC-GW	3/2/00	NA	260557	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STD-GW	3/2/00	NA	260559	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STE-GW	3/2/00	NA	260561	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	13.7[2]	13.7[2]	NA	2	10,000
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	5,110[2]	5,110[2]	NA	10	204,400

[redacted] Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

[redacted] Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organi Samples analyzed using EPA SW-846 Method 8260

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

GEOPROBE® GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Table 6b
Geoprobe Groundwater Analytical Results for PAHs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthiene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
KB-i2W	5/1/01	13-17	291969	<18	<10	<6.6	<0.10	<0.20	<0.18	<0.76	<0.17	<0.20	<0.10	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
KB-i12W	5/1/01	13-17	291970	<18	<10	<6.6	<0.10	<0.20	<0.18	<0.76	<0.17	<0.20	<0.10	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
KB-i14W	5/16/01	13-18	293162	<18	<10	<6.6	<0.10	<0.20	<0.18	<0.76	<0.17	<0.20	<0.10	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
KB-i15W	5/16/01	13-18	293167	<18	<10	<6.6	<0.10	<0.20	<0.18	<0.76	<0.17	<0.20	<0.10	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
KB-i17	5/18/01	14-19	293320	<18	<10	<6.6	<0.10	<0.20	<0.18	<0.76	<0.17	<0.20	<0.10	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
KB-i17 Dup.	5/18/01	14-19	293322	<18	<10	<6.6	<0.10	<0.20	<0.18	<0.76	<0.17	<0.20	<0.10	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
Tier II Residential Cleanup Goals - Groundwater [1]				1,824	6.89[2]	9,120	0.10	0.20	0.20	38.4[2]	0.20	0.20	0.30	243.2	1,216	0.40	1,216	230[3]	912
Tier II Non-Residential Cleanup Goals - Groundwater [1]				6,132	2,040[2]	30,660	10	10	10	613[2]	39.2	391.3	10	817.6	4,088	10	4,088	230[3]	3,066

PAHs = Polynuclear Aromatic Hydrocarbons
Samples analyzed using EPA SW-846 Method 8310
µg/L = micrograms per liter
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Tier I Health Protective Levels for Pheranthrene
Technical Memo by Indiana Voluntary Remediation Program, dated 4/21/98
The given value is a residential cleanup goal (non-residential cleanup goal is not available).

GEOPROBE® GROUNDWATER ANALYTICAL RESULTS FOR METALS

Table 6c
Geoprobe Groundwater Analytical Results for Metals (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Total Cadmium	Total Chromium	Total Lead
KB-i2W	5/1/01	13-17	291969	<5.	<40.	<5.
KB-i12W	5/1/01	13-17	291970	<5.	<40.	<5.
KB-i14W	5/16/01	13-18	293162	<5.	<40.	<5.
KB-i15W	5/16/01	13-18	293167	<5.	<40.	9.8
KB-i17	5/18/01	14-19	293320	<5.	<40.	10.1
KB-i17 Dup.	5/18/01	14-19	293322	<5.	<40.	<5.
Tier II Residential Cleanup Goals - Groundwater [1]				5.0	100	15[2]
Tier II Non-Residential Cleanup Goals - Groundwater [1]				51.1	511	15[2]

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal
Detected compound exceeds the VRP Tier II Residential Cleanup Goal
Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000
µg/L = micrograms per liter
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] IDEM VRP Interoffice Memo dated on January 26, 1998

SHALLOW MONITORING WELL GROUNDWATER ANALYTICAL RESULTS FOR VOCs

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	n-Butylbenzene
MW-10-1	3/28/94	7-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10-1	10/5/94	7-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10-1	7/14/95	7-17	W5070191-13	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-10-1	2/5/97	7-17	W7020074-01	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-10-1	11/23/99	7-17	253788	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-10-1 Dup	11/23/99	7-17	253812	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-10-1	2/29/00	7-17	260586	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-10-1	11/8/00	7-17	280650	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-10-1	7/19/02	7-17	324157	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-10-1 Dup.	7/19/02	7-17	324158	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-132	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-132	5/27/93	10-20	69681	<400	<1,000	<1,000	<20	NA	NA	<20	<20	<100	NA
MW-132	7/14/95	10-20	W5070191-09	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-132	2/5/97	10-20	W7020074-02	<500	NA	NA	<120	NA	NA	<120	<120	<250	NA
MW-132	11/23/99	10-20	253791	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-132	2/28/00	10-20	260589	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-132	7/22/02	10-20	324190	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-133	9/1992	8-18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-133	5/27/93	8-18	69680	<20	<50	<50	<1.0	NA	NA	<1.0	<1.0	<5.0	NA
MW-133	9/11/95	8-18	W5090134-01	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-133	2/5/97	8-18	W7020074-03	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-133	11/23/99	8-18	253798	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-133	2/28/00	8-18	260596	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-135	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-135	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-135	5/27/93	10-20	69679	<20	<50	<50	<1.0	NA	NA	<1.0	<1.0	<5.0	NA
MW-135	7/14/95	10-20	W5070191-14	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-135	2/5/97	10-20	W7020074-04	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-135	11/23/99	10-20	253802	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-135	2/29/00	10-20	260574	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-135	11/8/00	10-20	280651	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-135	6/20/01	10-20	296393	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-135	7/15/02	10-20	324015	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-145	6/4/93	17.5-27.5	69941	<100	<200	<200	<5	NA	NA	<5	<5	<20	NA
MW-145	7/14/95	17.5-27.5	W5070191-10	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-145	2/5/97	17.5-27.5	W7020074-05	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-145	11/23/99	17.5-27.5	253799	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-145 Dup	11/23/99	17.5-27.5	253813	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-145	2/29/00	17.5-27.5	260597	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-145	11/8/00	17.5-27.5	280652	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-145	6/21/01	17.5-27.5	296418	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-145	7/22/02	17.5-27.5	324184	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-146	6/4/93	15-25	69942	<20	<50	<50	<1.0	NA	NA	[redacted]	<1.0	<5.0	NA
MW-146	7/14/95	15-25	W5070191-11	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-146	2/5/97	15-25	W7020074-06	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-146	11/23/99	15-25	253800	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-146	2/29/00	15-25	260572	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-146	11/8/00	15-25	280684	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-146	6/21/01	15-25	296419	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-146	7/15/02	15-25	324017	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-147	6/4/93	20-30	69943	<20	<50	<50	<1.0	NA	NA	<1.0	<1.0	<5.0	NA
MW-147	7/14/95	20-30	W5070191-08	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-147	2/5/97	20-30	W7020074-07	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-147	11/23/99	20-30	253790	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-147	2/28/00	20-30	260588	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-147	11/8/00	20-30	280685	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-147	6/21/01	20-30	296409	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-147	7/22/02	20-30	324189	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-148	6/4/93	10.5-25.5	69944	<1,600	<4,000	<4,000	<80	NA	NA	<80	<80	<400	NA
MW-148	7/14/95	10.5-25.5	W5070191-07	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-148	2/5/97	10.5-25.5	W7020074-08	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-148	11/23/99	10.5-25.5	253792	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-148	2/28/00	10.5-25.5	260583	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-148 Dup.	2/28/00	10.5-25.5	260568	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-148	11/8/00	10.5-25.5	280686	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-148 Dup.	11/8/00	10.5-25.5	280687	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-148	6/21/01	10.5-25.5	296407	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-148 Dup.	6/21/01	10.5-25.5	296408	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-148	7/22/02	10.5-25.5	324188	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				3,040	NA	NA	5.0	NA	NA	0.289[2]	NA	NA	64[2]
Tier II Non-Residential Cleanup Goals - Groundwater [1]				10,220	NA	NA	98.6	NA	NA	46.1[2]	NA	NA	1,020[2]

[redacted] exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter E = result is estimated NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene
MW-10-1	3/28/94	7-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10-1	10/5/94	7-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10-1	7/14/95	7-17	W5070191-13	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-10-1	2/5/97	7-17	W7020074-01	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-10-1	11/23/99	7-17	253788	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-10-1 Dup	11/23/99	7-17	253812	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-10-1	2/29/00	7-17	260586	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-10-1	11/8/00	7-17	280650	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-10-1	7/19/02	7-17	324157	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-10-1 Dup.	7/19/02	7-17	324158	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-132	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-132	5/27/93	10-20	69681	NA	NA	<20	<20	<20	<20	<200	<20	<200	NA	NA
MW-132	7/14/95	10-20	W5070191-09	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-132	2/5/97	10-20	W7020074-02	NA	NA	<120	<120	<120	<120	<250	<120	<250	NA	NA
MW-132	11/23/99	10-20	253791	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-132	2/28/00	10-20	260589	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-132	7/22/02	10-20	324190	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-133	9/1992	8-18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-133	5/27/93	8-18	69680	NA	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<10	NA	NA
MW-133	9/11/95	8-18	W5090134-01	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	NA	NA
MW-133	2/5/97	8-18	W7020074-03	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-133	11/23/99	8-18	253798	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-133	2/28/00	8-18	260596	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-135	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-135	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-135	5/27/93	10-20	69679	NA	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<10	NA	NA
MW-135	7/14/95	10-20	W5070191-14	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-135	2/5/97	10-20	W7020074-04	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-135	11/23/99	10-20	253802	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-135	2/29/00	10-20	260574	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-135	11/8/00	10-20	280651	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-135	6/20/01	10-20	296393	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-135	7/15/02	10-20	324015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-145	6/4/93	17.5-27.5	69941	NA	NA	<5	<5	<5	<5	<50	<5	<50	NA	NA
MW-145	7/14/95	17.5-27.5	W5070191-10	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-145	2/5/97	17.5-27.5	W7020074-05	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-145	11/23/99	17.5-27.5	253799	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-145 Dup	11/23/99	17.5-27.5	253813	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-145	2/29/00	17.5-27.5	260597	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-145	11/8/00	17.5-27.5	280652	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-145	6/21/01	17.5-27.5	296418	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-145	7/22/02	17.5-27.5	324184	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-146	6/4/93	15-25	69942	NA	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<10	NA	NA
MW-146	7/14/95	15-25	W5070191-11	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-146	2/5/97	15-25	W7020074-06	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-146	11/23/99	15-25	253800	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-146	2/29/00	15-25	260572	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-146	11/8/00	15-25	280684	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-146	6/21/01	15-25	296419	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-146	7/15/02	15-25	324017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-147	6/4/93	20-30	69943	NA	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<10	NA	NA
MW-147	7/14/95	20-30	W5070191-08	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-147	2/5/97	20-30	W7020074-07	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-147	11/23/99	20-30	253790	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-147	2/28/00	20-30	260588	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-147	11/8/00	20-30	280685	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-147	6/21/01	20-30	296409	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-147	7/22/02	20-30	324189	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-148	6/4/93	10.5-25.5	69944	NA	NA	<80	<80	<80	<80	<800	<80	<800	NA	NA
MW-148	7/14/95	10.5-25.5	W5070191-07	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-148	2/5/97	10.5-25.5	W7020074-08	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-148	11/23/99	10.5-25.5	253792	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-148	2/28/00	10.5-25.5	260583	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-148 Dup.	2/28/00	10.5-25.5	260568	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-148	11/8/00	10.5-25.5	280686	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-148 Dup.	11/8/00	10.5-25.5	280687	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-148	6/21/01	10.5-25.5	296407	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-148 Dup.	6/21/01	10.5-25.5	296408	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-148	7/22/02	10.5-25.5	324188	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				64[2]	64[2]	1,060[2]	NA	112[2]	NA	23.161	100	NA	NA	NA
Tier II Non-Residential Cleanup Goals - Groundwater [1]				1,020[2]	1,020[2]	10,200[2]	NA	2,040[2]	NA	NA	468.9	NA	NA	NA

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter E = result is estimated NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	2-Chloroethyl vinyl ether	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	trans-1,4-Dichloro-2-butene	1,1-Dichloroethane	1,2-Dichloroethane
MW-10-1	3/28/94	7-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA
MW-10-1	10/5/94	7-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
MW-10-1	7/14/95	7-17	W5070191-13	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-10-1	2/5/97	7-17	W7020074-01	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-10-1	11/23/99	7-17	253788	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-10-1 Dup	11/23/99	7-17	253812	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-10-1	2/29/00	7-17	260586	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-10-1	11/8/00	7-17	280650	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-10-1	7/19/02	7-17	324157	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-10-1 Dup.	7/19/02	7-17	324158	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-132	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<50	NA
MW-132	5/27/93	10-20	69681	<100	<200	<20	<200	<20	<20	<20	<200	NA	<20	<20
MW-132	7/14/95	10-20	W5070191-09	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-132	2/5/97	10-20	W7020074-02	<250	NA	NA	NA	<250	<250	<250	NA	NA	<120	<120
MW-132	11/23/99	10-20	253791	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-132	2/28/00	10-20	260589	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-132	7/22/02	10-20	324190	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-133	9/1992	8-18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA
MW-133	5/27/93	8-18	69680	<5.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<10	NA	<1.0	<1.0
MW-133	9/11/95	8-18	W5090134-01	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-133	2/5/97	8-18	W7020074-03	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-133	11/23/99	8-18	253798	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-133	2/28/00	8-18	260596	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-135	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA
MW-135	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA
MW-135	5/27/93	10-20	69679	<5.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<10	NA	<1.0	<1.0
MW-135	7/14/95	10-20	W5070191-14	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-135	2/5/97	10-20	W7020074-04	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-135	11/23/99	10-20	253802	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-135	2/29/00	10-20	260574	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-135	11/8/00	10-20	280651	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-135	6/20/01	10-20	296393	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-135	7/15/02	10-20	324015	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-145	6/4/93	17.5-27.5	69941	<20	<50	<5	<50	<5	<5	<5	<50	NA	<5	<5
MW-145	7/14/95	17.5-27.5	W5070191-10	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-145	2/5/97	17.5-27.5	W7020074-05	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-145	11/23/99	17.5-27.5	253799	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-145 Dup	11/23/99	17.5-27.5	253813	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-145	2/29/00	17.5-27.5	260597	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-145	11/8/00	17.5-27.5	280652	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-145	6/21/01	17.5-27.5	296418	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-145	7/22/02	17.5-27.5	324184	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-146	6/4/93	15-25	69942	<5.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<10	NA	<1.0	<1.0
MW-146	7/14/95	15-25	W5070191-11	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-146	2/5/97	15-25	W7020074-06	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-146	11/23/99	15-25	253800	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-146	2/29/00	15-25	260572	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-146	11/8/00	15-25	280684	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-146	6/21/01	15-25	296419	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-146	7/15/02	15-25	324017	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-147	6/4/93	20-30	69943	<5.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<10	NA	<1.0	<1.0
MW-147	7/14/95	20-30	W5070191-08	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-147	2/5/97	20-30	W7020074-07	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-147	11/23/99	20-30	253790	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-147	2/28/00	20-30	260588	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-147	11/8/00	20-30	280685	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-147	6/21/01	20-30	296409	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-147	7/22/02	20-30	324189	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-148	6/4/93	10.5-25.5	69944	<400	<800	<80	<800	<80	<80	<80	<800	NA	<80	<80
MW-148	7/14/95	10.5-25.5	W5070191-07	<10	NA	NA	NA	<10	<10	<10	NA	NA	28	<5.0
MW-148	2/5/97	10.5-25.5	W7020074-08	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-148	11/23/99	10.5-25.5	253792	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	5.0	<5.0
MW-148	2/28/00	10.5-25.5	260583	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	6.7	<5.0
MW-148 Dup.	2/28/00	10.5-25.5	260568	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	6.8	<5.0
MW-148	11/8/00	10.5-25.5	280686	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-148 Dup.	11/8/00	10.5-25.5	280687	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-148	6/21/01	10.5-25.5	296407	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	7.0	<5.0
MW-148 Dup.	6/21/01	10.5-25.5	296408	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	7.3	<5.0
MW-148	7/22/02	10.5-25.5	324188	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	NA	NA	NA	600	600	75	NA	NA	640	5.0
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	NA	NA	NA	9,198	NA	119.2	NA	NA	10,220	31.4

[redacted] exceeds the VRP Tier II Residential Cleanup Goal

[redacted] detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter E = result is estimated NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethyl Acetate	Ethylbenzene
MW-10-1	3/28/94	7-17	NA	NA	[redacted]	[redacted]	NA	NA	NA	NA	NA	NA	NA	NA
MW-10-1	10/5/94	7-17	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
MW-10-1	7/14/95	7-17	W5070191-13	<5.0	[redacted]	[redacted]	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-10-1	2/5/97	7-17	W7020074-01	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-10-1	11/23/99	7-17	253788	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-10-1 Dup	11/23/99	7-17	253812	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-10-1	2/29/00	7-17	260586	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-10-1	11/8/00	7-17	280650	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-10-1	7/19/02	7-17	324157	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-10-1 Dup.	7/19/02	7-17	324158	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-132	9/1992	10-20	NA	NA	[redacted]	[redacted]	NA	NA	NA	NA	NA	NA	NA	NA
MW-132	5/27/93	10-20	69681	<20	[redacted]	<20	<20	NA	NA	NA	<20	<20	<200	<20
MW-132	7/14/95	10-20	W5070191-09	<5.0	[redacted]	[redacted]	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-132	2/5/97	10-20	W7020074-02	<120	[redacted]	<120	<120	NA	NA	NA	<120	<120	NA	<120
MW-132	11/23/99	10-20	253791	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-132	2/28/00	10-20	260589	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-132	7/22/02	10-20	324190	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		<5.0
MW-133	9/1992	8-18	NA	NA	[redacted]	[redacted]	NA	NA	NA	NA	NA	NA	NA	NA
MW-133	5/27/93	8-18	69680	<1.0	[redacted]	[redacted]	<1.0	NA	NA	NA	<1.0	<1.0	<10	<1.0
MW-133	9/11/95	8-18	W5090134-01	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-133	2/5/97	8-18	W7020074-03	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-133	11/23/99	8-18	253798	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-133	2/28/00	8-18	260596	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-135	9/1992	10-20	NA	NA	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA
MW-135	9/1992	10-20	NA	NA	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA
MW-135	5/27/93	10-20	69679	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<10	<1.0
MW-135	7/14/95	10-20	W5070191-14	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-135	2/5/97	10-20	W7020074-04	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-135	11/23/99	10-20	253802	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-135	2/29/00	10-20	260574	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-135	11/8/00	10-20	280651	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-135	6/20/01	10-20	296393	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-135	7/15/02	10-20	324015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0
MW-145	6/4/93	17.5-27.5	69941	<5	[redacted]	<5	<5	NA	NA	NA	<5	<5	<50	<5
MW-145	7/14/95	17.5-27.5	W5070191-10	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-145	2/5/97	17.5-27.5	W7020074-05	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-145	11/23/99	17.5-27.5	253799	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-145 Dup	11/23/99	17.5-27.5	253813	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-145	2/29/00	17.5-27.5	260597	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-145	11/8/00	17.5-27.5	280652	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-145	6/21/01	17.5-27.5	296418	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-145	7/22/02	17.5-27.5	324184	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-146	6/4/93	15-25	69942	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<10	<1.0
MW-146	7/14/95	15-25	W5070191-11	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-146	2/5/97	15-25	W7020074-06	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-146	11/23/99	15-25	253800	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-146	2/29/00	15-25	260572	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-146	11/8/00	15-25	280684	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-146	6/21/01	15-25	296419	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-146	7/15/02	15-25	324017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-147	6/4/93	20-30	69943	<1.0	[redacted]	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<10	<1.0
MW-147	7/14/95	20-30	W5070191-08	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-147	2/5/97	20-30	W7020074-07	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-147	11/23/99	20-30	253790	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-147	2/28/00	20-30	260588	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-147	11/8/00	20-30	280685	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-147	6/21/01	20-30	296409	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-147	7/22/02	20-30	324189	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-148	6/4/93	10.5-25.5	69944	<80	[redacted]	<80	<80	NA	NA	NA	<80	<80	<800	<80
MW-148	7/14/95	10.5-25.5	W5070191-07	<5.0	[redacted]	[redacted]	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-148	2/5/97	10.5-25.5	W7020074-08	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-148	11/23/99	10.5-25.5	253792	[redacted]	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-148	2/28/00	10.5-25.5	260583	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-148 Dup.	2/28/00	10.5-25.5	260568	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-148	11/8/00	10.5-25.5	280686	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-148 Dup.	11/8/00	10.5-25.5	280687	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-148	6/21/01	10.5-25.5	296407	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-148 Dup.	6/21/01	10.5-25.5	296408	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-148	7/22/02	10.5-25.5	324188	<5.0	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				7.0	70	128[2]	NA	NA	NA	0.850[2]	NA	NA	NA	700
Tier II Non-Residential Cleanup Goals - Groundwater [1]				7.0	1,022	2,040[2]	NA	NA	NA	28.6[2]	NA	NA	NA	10,220

[redacted] Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter E = result is estimated NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Ethyl methacrylate	2-Hexanone	Hexachlorobutadiene	Iodomethane	Isopropylbenzene	p-Isopropyltoluene	Methylene chloride	Methyl-ethyl-ketone (MEK)	Methyl-tert-butyl ether (MTBE)	Paraldehyde
MW-10-1	3/28/94	7-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10-1	10/5/94	7-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10-1	7/14/95	7-17	W5070191-13	NA	<20	NA	NA	NA	NA	<5	<20	NA	<20
MW-10-1	2/5/97	7-17	W7020074-01	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-10-1	11/23/99	7-17	253788	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-10-1 Dup	11/23/99	7-17	253812	<10	<50	<5.0	<10	<5.0	<5.0	<10	<50	<10	<50
MW-10-1	2/29/00	7-17	260586	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-10-1	11/8/00	7-17	280650	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-10-1	7/19/02	7-17	324157	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-10-1 Dup.	7/19/02	7-17	324158	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-132	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-132	5/27/93	10-20	69681	<200	<200	NA	<200	NA	NA	<200	<200	NA	<200
MW-132	7/14/95	10-20	W5070191-09	NA	<20	NA	NA	NA	NA	<5	<20	NA	<20
MW-132	2/5/97	10-20	W7020074-02	NA	<500	NA	NA	NA	NA	<120	<500	NA	<500
MW-132	11/23/99	10-20	253791	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-132	2/28/00	10-20	260589	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-132	7/22/02	10-20	324190	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-133	9/1992	8-18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-133	5/27/93	8-18	69680	<10	<10	NA	<10	NA	NA	<10	<10	NA	<10
MW-133	9/11/95	8-18	W5090134-01	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-133	2/5/97	8-18	W7020074-03	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-133	11/23/99	8-18	253798	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-133	2/28/00	8-18	260596	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-135	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-135	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-135	5/27/93	10-20	69679	<10	<10	NA	<10	NA	NA	<10	<10	NA	<10
MW-135	7/14/95	10-20	W5070191-14	NA	<20	NA	NA	NA	NA	<5	<20	NA	<20
MW-135	2/5/97	10-20	W7020074-04	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-135	11/23/99	10-20	253802	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-135	2/29/00	10-20	260574	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-135	11/8/00	10-20	280651	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-135	6/20/01	10-20	296393	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-135	7/15/02	10-20	324015	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-145	6/4/93	17.5-27.5	69941	<50	<50	NA	<50	NA	NA	<50	<50	NA	<50
MW-145	7/14/95	17.5-27.5	W5070191-10	NA	<20	NA	NA	NA	NA	<5	<20	NA	<20
MW-145	2/5/97	17.5-27.5	W7020074-05	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-145	11/23/99	17.5-27.5	253799	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-145 Dup	11/23/99	17.5-27.5	253813	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-145	2/29/00	17.5-27.5	260597	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-145	11/8/00	17.5-27.5	280652	<10	<50	<5.0	<10	<5.0	<5.0	<10	<50	<10	<50
MW-145	6/21/01	17.5-27.5	296418	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-145	7/22/02	17.5-27.5	324184	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-146	6/4/93	15-25	69942	<10	<10	NA	<10	NA	NA	<10	<10	NA	<10
MW-146	7/14/95	15-25	W5070191-11	NA	<20	NA	NA	NA	NA	<5	<20	NA	<20
MW-146	2/5/97	15-25	W7020074-06	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-146	11/23/99	15-25	253800	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-146	2/29/00	15-25	260572	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-146	11/8/00	15-25	280684	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-146	6/21/01	15-25	296419	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-146	7/15/02	15-25	324017	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-147	6/4/93	20-30	69943	<10	<10	NA	<10	NA	NA	<10	<10	NA	<10
MW-147	7/14/95	20-30	W5070191-08	NA	<20	NA	NA	NA	NA	<5	<20	NA	<20
MW-147	2/5/97	20-30	W7020074-07	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-147	11/23/99	20-30	253790	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-147	2/28/00	20-30	260588	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-147	11/8/00	20-30	280685	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-147	6/21/01	20-30	296409	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-147	7/22/02	20-30	324189	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-148	6/4/93	10.5-25.5	69944	<800	<800	NA	<800	NA	NA	<800	<800	NA	<800
MW-148	7/14/95	10.5-25.5	W5070191-07	NA	<20	NA	NA	NA	NA	<5	<20	NA	<20
MW-148	2/5/97	10.5-25.5	W7020074-08	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-148	11/23/99	10.5-25.5	253792	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-148	2/28/00	10.5-25.5	260583	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-148 Dup.	2/28/00	10.5-25.5	260568	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	NA
MW-148	11/8/00	10.5-25.5	280686	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-148 Dup.	11/8/00	10.5-25.5	280687	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-148	6/21/01	10.5-25.5	296407	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-148 Dup.	6/21/01	10.5-25.5	296408	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-148	7/22/02	10.5-25.5	324188	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
Tier II Residential Cleanup Goals - Groundwater [1]				NA	NA	10	NA	689[2]	445[2]	6.30[2]	917.72	45	NA
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	NA	36.7	NA	10,200[2]	10,200[2]	381[2]	5,110	715	NA

[redacted] Exceeds Tier II Residential Cleanup Goal

[redacted] Exceeds Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter E = result is estimated NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene
MW-10-1	3/28/94	7-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10-1	10/5/94	7-17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10-1	7/14/95	7-17	W5070191-13	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-10-1	2/5/97	7-17	W7020074-01	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-10-1	11/23/99	7-17	253788	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-10-1 Dup	11/23/99	7-17	253812	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-10-1	2/29/00	7-17	260586	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-10-1	11/8/00	7-17	280650	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-10-1	7/19/02	7-17	324157	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-10-1 Dup.	7/19/02	7-17	324158	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-132	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-132	5/27/93	10-20	69681	NA	<200	NA	<20	NA	<20	<20	<200	<20	NA	NA
MW-132	7/14/95	10-20	W5070191-09	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-132	2/5/97	10-20	W7020074-02	NA	NA	NA	<120	NA	<120	<120	NA	<120	NA	NA
MW-132	11/23/99	10-20	253791	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-132	2/28/00	10-20	260589	<5.0	NA	<5.0	<5.0	<5.0	<5.0	[redacted]	NA	<5.0	<5.0	<5.0
MW-132	7/22/02	10-20	324190	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-133	9/1992	8-18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-133	5/27/93	8-18	69680	NA	<10	NA	<1.0	NA	<1.0	<1.0	<10	<1.0	NA	NA
MW-133	9/11/95	8-18	W5090134-01	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-133	2/5/97	8-18	W7020074-03	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-133	11/23/99	8-18	253798	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-133	2/28/00	8-18	260596	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-135	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-135	9/1992	10-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-135	5/27/93	10-20	69679	NA	<10	NA	<1.0	NA	<1.0	<1.0	<10	<1.0	NA	NA
MW-135	7/14/95	10-20	W5070191-14	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-135	2/5/97	10-20	W7020074-04	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-135	11/23/99	10-20	253802	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-135	2/29/00	10-20	260574	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-135	11/8/00	10-20	280651	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-135	6/20/01	10-20	296393	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-135	7/15/02	10-20	324015	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-145	6/4/93	17.5-27.5	69941	NA	<50	NA	<5	NA	<5	<5	<50	<5	NA	NA
MW-145	7/14/95	17.5-27.5	W5070191-10	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-145	2/5/97	17.5-27.5	W7020074-05	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-145	11/23/99	17.5-27.5	253799	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-145 Dup	11/23/99	17.5-27.5	253813	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-145	2/29/00	17.5-27.5	260597	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-145	11/8/00	17.5-27.5	280652	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-145	6/21/01	17.5-27.5	296418	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-145	7/22/02	17.5-27.5	324184	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-146	6/4/93	15-25	69942	NA	<10	NA	<1.0	NA	<1.0	<1.0	<10	<1.0	NA	NA
MW-146	7/14/95	15-25	W5070191-11	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-146	2/5/97	15-25	W7020074-06	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-146	11/23/99	15-25	253800	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-146	2/29/00	15-25	260572	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-146	11/8/00	15-25	280684	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-146	6/21/01	15-25	296419	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-146	7/15/02	15-25	324017	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-147	6/4/93	20-30	69943	NA	<10	NA	<1.0	NA	<1.0	<1.0	<10	<1.0	NA	NA
MW-147	7/14/95	20-30	W5070191-08	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-147	2/5/97	20-30	W7020074-07	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-147	11/23/99	20-30	253790	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-147	2/28/00	20-30	260588	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-147	11/8/00	20-30	280685	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-147	6/21/01	20-30	296409	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-147	7/22/02	20-30	324189	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-148	6/4/93	10.5-25.5	69944	NA	<800	NA	<80	NA	<80	<80	<800	<80	NA	NA
MW-148	7/14/95	10.5-25.5	W5070191-07	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-148	2/5/97	10.5-25.5	W7020074-08	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-148	11/23/99	10.5-25.5	253792	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-148	2/28/00	10.5-25.5	260583	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-148 Dup.	2/28/00	10.5-25.5	260568	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-148	11/8/00	10.5-25.5	280686	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-148 Dup.	11/8/00	10.5-25.5	280687	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-148	6/21/01	10.5-25.5	296407	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-148 Dup.	6/21/01	10.5-25.5	296408	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-148	7/22/02	10.5-25.5	324188	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				1,520	1,216	64[2]	NA	5	5	5	NA	1,000	NA	70
Tier II Non-Residential Cleanup Goals - Groundwater [1]				5,110	4,088	1,020[2]	NA	110	14.3	56.1	NA	20,440	NA	1,022

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter E = result is estimated NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	Vinyl chloride	Xylenes, (Total)
MW-10-1	3/28/94	7-17	NA	NA	NA	880	NA	NA	NA	NA	NA	<100	NA
MW-10-1	10/5/94	7-17	NA	NA	NA	1,600	NA	NA	NA	NA	NA	NA	NA
MW-10-1	7/14/95	7-17	W5070191-13	<5.0	<5.0	1,800	NA	NA	NA	NA	<20	<10	<5.0
MW-10-1	2/5/97	7-17	W7020074-01	<5.0	<5.0	800	NA	NA	NA	NA	<20	<10	<5.0
MW-10-1	11/23/99	7-17	253788	<5.0	<5.0	1,000	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-10-1 Dup	11/23/99	7-17	253812	<5.0	<5.0	1,100	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-10-1	2/29/00	7-17	260586	<5.0	<5.0	960	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-10-1	11/8/00	7-17	280650	<5.0	<5.0	1,000	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-10-1	7/19/02	7-17	324157	<5.0	<5.0	540	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-10-1 Dup.	7/19/02	7-17	324158	<5.0	<5.0	650	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-132	9/1992	10-20	NA	NA	NA	280	NA	NA	NA	NA	NA	1,200	NA
MW-132	5/27/93	10-20	69681	<20	<20	1,900	<20	<200	NA	NA	<200	<100	<20
MW-132	7/14/95	10-20	W5070191-09	<5.0	<5.0	1,700	NA	NA	NA	NA	<20	600	<5.0
MW-132	2/5/97	10-20	W7020074-02	<120	<120	15,000	NA	NA	NA	NA	<500	<250	<120
MW-132	11/23/99	10-20	253791	<5.0	<5.0	270	<5.0	<5.0	<5.0	<5.0	<10.	580	<5.0
MW-132	2/28/00	10-20	260589	<5.0	<5.0	2,900	<5.0	<5.0	<5.0	<5.0	<10.	13	<5.0
MW-132	7/22/02	10-20	324190	<5.0	<5.0	7	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-133	9/1992	8-18	NA	NA	NA	2	NA	NA	NA	NA	NA	<10	NA
MW-133	5/27/93	8-18	69680	<1.0	<1.0	2	<1.0	<10	NA	NA	<10	5.3	<1.0
MW-133	9/11/95	8-18	W5090134-01	<5.0	<5.0	3	NA	NA	NA	NA	<20	<10	<5.0
MW-133	2/5/97	8-18	W7020074-03	<5.0	<5.0	3	NA	NA	NA	NA	<20	<10	<5.0
MW-133	11/23/99	8-18	253798	<5.0	<5.0	5	<5.0	<5.0	<5.0	<5.0	<10.	3	<5.0
MW-133	2/28/00	8-18	260596	<5.0	<5.0	4	<5.0	<5.0	<5.0	<5.0	<10.	6.2	<5.0
MW-135	9/1992	10-20	NA	NA	NA	<5	NA	NA	NA	NA	NA	<10	NA
MW-135	9/1992	10-20	NA	NA	NA	<5	NA	NA	NA	NA	NA	<10	NA
MW-135	5/27/93	10-20	69679	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	<10	<5	<1.0
MW-135	7/14/95	10-20	W5070191-14	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-135	2/5/97	10-20	W7020074-04	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-135	11/23/99	10-20	253802	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-135	2/29/00	10-20	260574	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-135	11/8/00	10-20	280651	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-135	6/20/01	10-20	296393	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-135	7/15/02	10-20	324015	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-145	6/4/93	17.5-27.5	69941	<5	<5	7	<5	<50	NA	NA	<50	<20	<5
MW-145	7/14/95	17.5-27.5	W5070191-10	<5.0	<5.0	3	NA	NA	NA	NA	<20	12	<5.0
MW-145	2/5/97	17.5-27.5	W7020074-05	<5.0	<5.0	3	NA	NA	NA	NA	<20	<10	<5.0
MW-145	11/23/99	17.5-27.5	253799	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	28	<5.0
MW-145 Dup	11/23/99	17.5-27.5	253813	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	30	<5.0
MW-145	2/29/00	17.5-27.5	260597	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	36 E	<5.0
MW-145	11/8/00	17.5-27.5	280652	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	18	<5.0
MW-145	6/21/01	17.5-27.5	296418	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	120	<5.0
MW-145	7/22/02	17.5-27.5	324184	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	36	<5.0
MW-146	6/4/93	15-25	69942	<1.0	<1.0	3	<1.0	<10	NA	NA	<10	<5	<1.0
MW-146	7/14/95	15-25	W5070191-11	<5.0	<5.0	3	NA	NA	NA	NA	<20	<10	<5.0
MW-146	2/5/97	15-25	W7020074-06	<5.0	<5.0	3	NA	NA	NA	NA	<20	<10	<5.0
MW-146	11/23/99	15-25	253800	<5.0	<5.0	3	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-146	2/29/00	15-25	260572	<5.0	<5.0	3	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-146	11/8/00	15-25	280684	<5.0	<5.0	4	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-146	6/21/01	15-25	296419	<5.0	<5.0	2	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-146	7/15/02	15-25	324017	<1.0	<1.0	1.2	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-147	6/4/93	20-30	69943	<1.0	<1.0	9	<1.0	<10	NA	NA	<10	42	<1.0
MW-147	7/14/95	20-30	W5070191-08	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-147	2/5/97	20-30	W7020074-07	<5.0	<5.0	5	NA	NA	NA	NA	<20	<10	<5.0
MW-147	11/23/99	20-30	253790	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-147	2/28/00	20-30	260588	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-147	11/8/00	20-30	280685	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-147	6/21/01	20-30	296409	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-147	7/22/02	20-30	324189	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-148	6/4/93	10.5-25.5	69944	<80	<80	4,900	<80	<800	NA	NA	<800	490	<80
MW-148	7/14/95	10.5-25.5	W5070191-07	<5.0	<5.0	400	NA	NA	NA	NA	<20	92	<5.0
MW-148	2/5/97	10.5-25.5	W7020074-08	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-148	11/23/99	10.5-25.5	253792	<5.0	<5.0	350	<5.0	<5.0	<5.0	<5.0	<10.	200	<5.0
MW-148	2/28/00	10.5-25.5	260583	<5.0	<5.0	300	<5.0	<5.0	<5.0	<5.0	<10.	180	<5.0
MW-148 Dup.	2/28/00	10.5-25.5	260568	<5.0	<5.0	400	<5.0	<5.0	<5.0	<5.0	<10.	220	<5.0
MW-148	11/8/00	10.5-25.5	280686	<5.0	<5.0	90	<5.0	<5.0	<5.0	<5.0	<10.	35	<5.0
MW-148 Dup.	11/8/00	10.5-25.5	280687	<5.0	<5.0	90	<5.0	<5.0	<5.0	<5.0	<10.	39	<5.0
MW-148	6/21/01	10.5-25.5	296407	<5.0	<5.0	340	<5.0	<5.0	<5.0	<5.0	<10.	50	<5.0
MW-148 Dup.	6/21/01	10.5-25.5	296408	<5.0	<5.0	360	<5.0	<5.0	<5.0	<5.0	<10.	50	<5.0
MW-148	7/22/02	10.5-25.5	324188	<5.0	<5.0	9	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				200	5	5	1,380[2]	NA	13.7[2]	13.7[2]	NA	2	10,000
Tier II Non-Residential Cleanup Goals - Groundwater [1]				9,198	50.2	260	30,700[2]	NA	5,110[2]	5,110[2]	NA	10	204,400

Detected compound is above the Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter E = result is estimated NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	n-Butylbenzene
MW-150	7/17/95	4-19	W5070229-01	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-150	2/5/97	4-19	W7020074-09	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-150	11/23/99	4-19	253803	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-150	2/29/00	4-19	260575	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-150	11/8/00	4-19	280688	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-150	6/20/01	4-19	296390	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-150	7/19/02	4-19	324159	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-151	7/14/95	5-20	W5070191-03	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-151	2/6/97	5-20	W7020074-13	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-151	11/23/99	5-20	253809	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-151	2/29/00	5-20	260579	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-151	11/8/00	5-20	280689	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-151	6/20/01	5-20	296398	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-151	7/18/02	5-20	324114	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-152	7/14/95	5-20	W5070191-01	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-152	2/5/97	5-20	W7020074-10	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-152	11/23/99	5-20	253801	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-152	2/29/00	5-20	260573	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-152	11/8/00	5-20	280690	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-152	6/20/01	5-20	296401	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-152	7/15/02	5-20	324016	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-153	7/14/95	4.5-19.5	W5070191-02	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-153	2/6/97	4.5-19.5	W7020074-14	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-153 Dup	2/6/97	4.5-19.5	W7020074-23	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-153	11/23/99	4.5-19.5	253796	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-153	2/28/00	4.5-19.5	260594	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-153	11/8/00	4.5-19.5	280691	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-153	6/21/01	4.5-19.5	296404	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-153 Dup.	6/21/01	4.5-19.5	296405	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-153	7/22/02	4.5-19.5	324185	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-154	7/14/95	5-20	W5070191-12	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-154	2/5/97	5-20	W7020074-11	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-154	11/23/99	5-20	253789	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-154	2/28/00	5-20	260587	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-154	11/8/00	5-20	280692	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-154	6/21/01	5-20	296410	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-154	7/22/02	5-20	324191	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-155	9/11/95	14-29	W5090134-02	<200	NA	NA	<50	NA	NA	<50	<50	<100	NA
MW-155	2/6/97	14-29	W7020074-15	<2,000	NA	NA	<500	NA	NA	<500	<500	<1,000	NA
MW-155	11/23/99	14-29	253793	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-155	2/28/00	14-29	260591	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-155	11/8/00	14-29	280693	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-155	6/21/01	14-29	296414	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-155	7/19/02	14-29	324155	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-156	9/11/95	5-20	W5090134-03	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-156	2/6/97	5-20	W7020074-16	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-156 Dup	2/6/97	5-20	W7020074-24	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-156	11/23/99	5-20	253807	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-156	2/29/00	5-20	260577	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-156	11/8/00	5-20	280694	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-156	6/20/01	5-20	296402	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-156	7/18/02	5-20	324116	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	2.8	<1.0	<5.0	<1.0
MW-157	2/6/97	5-20	W7020074-19	<200	NA	NA	<50	NA	NA	<50	<50	<100	NA
MW-157 Dup.	2/26/97	5-20	W7020396-01	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-157	2/29/00	5-20	260581	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-157	11/8/00	5-20	280695	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-157	6/21/01	5-20	296411	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-157	7/19/02	5-20	324153	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-158	2/6/97	14-29	W7020074-20	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA
MW-158	11/23/99	14-29	253794	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-158	2/28/00	14-29	260592	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-158 Dup.	2/28/00	14-29	260584	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-158	11/8/00	14-29	280696	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-158	6/21/01	14-29	296415	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-158	7/19/02	14-29	324156	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-159	2/28/00	NA	260585	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-159	11/7/00	NA	280697	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-159	6/21/01	NA	296412	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-159	7/19/02	Unknown	324152	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				3,040	NA	NA	5.0	NA	NA	0.289[2]	NA	NA	64[2]
Tier II Non-Residential Cleanup Goals - Groundwater [1]				10,220	NA	NA	98.6	NA	NA	46.1[2]	NA	NA	1,020[2]

Detected organic analyte in VRP or Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter E = result is estimated NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene
MW-150	7/17/95	4-19	W5070229-01	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	NA	NA
MW-150	2/5/97	4-19	W7020074-09	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-150	11/23/99	4-19	253803	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-150	2/29/00	4-19	260575	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-150	11/8/00	4-19	280688	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-150	6/20/01	4-19	296390	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-150	7/19/02	4-19	324159	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-151	7/14/95	5-20	W5070191-03	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-151	2/6/97	5-20	W7020074-13	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-151	11/23/99	5-20	253809	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-151	2/29/00	5-20	260579	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-151	11/8/00	5-20	280689	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-151	6/20/01	5-20	296398	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-151	7/18/02	5-20	324114	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	[redacted]B	<5.0	<1.0	<1.0
MW-152	7/14/95	5-20	W5070191-01	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-152	2/5/97	5-20	W7020074-10	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-152	11/23/99	5-20	253801	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-152	2/29/00	5-20	260573	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-152	11/8/00	5-20	280690	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-152	6/20/01	5-20	296401	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-152	7/15/02	5-20	324016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-153	7/14/95	4.5-19.5	W5070191-02	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-153	2/6/97	4.5-19.5	W7020074-14	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-153 Dup	2/6/97	4.5-19.5	W7020074-23	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-153	11/23/99	4.5-19.5	253796	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-153	2/28/00	4.5-19.5	260594	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-153	11/8/00	4.5-19.5	280691	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-153	6/21/01	4.5-19.5	296404	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-153 Dup.	6/21/01	4.5-19.5	296405	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-153	7/22/02	4.5-19.5	324185	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-154	7/14/95	5-20	W5070191-12	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-154	2/5/97	5-20	W7020074-11	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-154	11/23/99	5-20	253789	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-154	2/28/00	5-20	260587	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-154	11/8/00	5-20	280692	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-154	6/21/01	5-20	296410	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-154	7/22/02	5-20	324191	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-155	9/11/95	14-29	W5090134-02	NA	NA	<50	<50	<50	<50	<50	<50	<100	NA	NA
MW-155	2/6/97	14-29	W7020074-15	NA	NA	<500	<500	<500	<500	<1,000	<500	<1,000	NA	NA
MW-155	11/23/99	14-29	253793	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-155	2/28/00	14-29	260591	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-155	11/8/00	14-29	280693	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-155	6/21/01	14-29	296414	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-155	7/19/02	14-29	324155	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-156	9/11/95	5-20	W5090134-03	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	NA	NA
MW-156	2/6/97	5-20	W7020074-16	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-156 Dup	2/6/97	5-20	W7020074-24	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-156	11/23/99	5-20	253807	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-156	2/29/00	5-20	260577	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-156	11/8/00	5-20	280694	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-156	6/20/01	5-20	296402	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-156	7/18/02	5-20	324116	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	[redacted]B	<5.0	<1.0	<1.0
MW-157	2/6/97	5-20	W7020074-19	NA	NA	<50	<50	<50	<50	<100	<50	<100	NA	NA
MW-157 Dup.	2/26/97	5-20	W7020396-01	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	NA	NA
MW-157	2/29/00	5-20	260581	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-157	11/8/00	5-20	280695	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-157	6/21/01	5-20	296411	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-157	7/19/02	5-20	324153	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-158	2/6/97	14-29	W7020074-20	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	NA	NA
MW-158	11/23/99	14-29	253794	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-158	2/28/00	14-29	260592	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-158 Dup.	2/28/00	14-29	260584	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-158	11/8/00	14-29	280696	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-158	6/21/01	14-29	296415	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-158	7/19/02	14-29	324156	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-159	2/28/00	NA	260585	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-159	11/7/00	NA	280697	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-159	6/21/01	NA	296412	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-159	7/19/02	Unknown	324152	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
[redacted]														
Tier II Residential Cleanup Goals - Groundwater [1]				64[2]	64[2]	1,060[2]	NA	112[2]	NA	23,161	100	NA	NA	NA
[redacted]														
Tier II Non-Residential Cleanup Goals - Groundwater [1]				1,020[2]	1,020[2]	10,200[2]	NA	2,040[2]	NA	NA	468.9	NA	NA	NA
[redacted]														
[redacted]														

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter E = result is estimated NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	2-Chloroethyl vinyl ether	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	trans-1,4-Dichloro-2-butene	1,1-Dichloroethane	1,2-Dichloroethane
MW-150	7/17/95	4-19	W5070229-01	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-150	2/5/97	4-19	W7020074-09	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-150	11/23/99	4-19	253803	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-150	2/29/00	4-19	260575	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-150	11/8/00	4-19	280688	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-150	6/20/01	4-19	296390	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-150	7/19/02	4-19	324159	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-151	7/14/95	5-20	W5070191-03	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-151	2/6/97	5-20	W7020074-13	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-151	11/23/99	5-20	253809	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-151	2/29/00	5-20	260579	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-151	11/8/00	5-20	280689	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-151	6/20/01	5-20	296398	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-151	7/18/02	5-20	324114	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-152	7/14/95	5-20	W5070191-01	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-152	2/5/97	5-20	W7020074-10	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-152	11/23/99	5-20	253801	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-152	2/29/00	5-20	260573	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-152	11/8/00	5-20	280690	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-152	6/20/01	5-20	296401	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-152	7/15/02	5-20	324016	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-153	7/14/95	4.5-19.5	W5070191-02	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-153	2/6/97	4.5-19.5	W7020074-14	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-153 Dup	2/6/97	4.5-19.5	W7020074-23	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-153	11/23/99	4.5-19.5	253796	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-153	2/28/00	4.5-19.5	260594	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-153	11/8/00	4.5-19.5	280691	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-153	6/21/01	4.5-19.5	296404	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-153 Dup	6/21/01	4.5-19.5	296405	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-153	7/22/02	4.5-19.5	324185	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	[redacted]	<5.0
MW-154	7/14/95	5-20	W5070191-12	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-154	2/5/97	5-20	W7020074-11	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-154	11/23/99	5-20	253789	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-154	2/28/00	5-20	260587	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-154	11/8/00	5-20	280692	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-154	6/21/01	5-20	296410	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-154	7/22/02	5-20	324191	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-155	9/11/95	14-29	W5090134-02	<100	NA	NA	NA	<100	<100	<100	NA	NA	<50	<50
MW-155	2/6/97	14-29	W7020074-15	<1,000	NA	NA	NA	<1,000	<1,000	<1,000	NA	NA	<500	<500
MW-155	11/23/99	14-29	253793	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-155	2/28/00	14-29	260591	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-155	11/8/00	14-29	280693	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-155	6/21/01	14-29	296414	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-155	7/19/02	14-29	324155	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-156	9/11/95	5-20	W5090134-03	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-156	2/6/97	5-20	W7020074-16	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-156 Dup	2/6/97	5-20	W7020074-24	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-156	11/23/99	5-20	253807	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-156	2/29/00	5-20	260577	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-156	11/8/00	5-20	280694	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-156	6/20/01	5-20	296402	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-156	7/18/02	5-20	324116	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-157	2/6/97	5-20	W7020074-19	<100	NA	NA	NA	<100	<100	<100	NA	NA	<50	<50
MW-157 Dup.	2/26/97	5-20	W7020396-01	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-157	2/29/00	5-20	260581	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-157	11/8/00	5-20	280695	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-157	6/21/01	5-20	296411	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-157	7/19/02	5-20	324153	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-158	2/6/97	14-29	W7020074-20	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0	<5.0
MW-158	11/23/99	14-29	253794	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-158	2/28/00	14-29	260592	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-158 Dup.	2/28/00	14-29	260584	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-158	11/8/00	14-29	280696	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-158	6/21/01	14-29	296415	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-158	7/19/02	14-29	324156	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-159	2/28/00	NA	260585	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-159	11/7/00	NA	280697	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-159	6/21/01	NA	296412	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-159	7/19/02	Unknown	324152	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
[redacted]														
Tier II Residential Cleanup Goals - Groundwater [1]				NA	NA	NA	NA	600	600	75	NA	NA	640	5.0
[redacted]														
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	NA	NA	NA	9,198	NA	119.2	NA	NA	10,220	31.4
[redacted]														
[redacted]														

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter E = result is estimated NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethyl Acetate	Ethylbenzene
MW-150	7/17/95	4-19	W5070229-01	<5.0	6.7	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-150	2/5/97	4-19	W7020074-09	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-150	11/23/99	4-19	253803	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-150	2/29/00	4-19	260575	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-150	11/8/00	4-19	280688	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-150	6/20/01	4-19	296390	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-150	7/19/02	4-19	324159	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-151	7/14/95	5-20	W5070191-03	<5.0	[redacted]	7.4	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-151	2/6/97	5-20	W7020074-13	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-151	11/23/99	5-20	253809	<5.0	[redacted]	5.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-151	2/29/00	5-20	260579	<5.0	[redacted]	6.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-151	11/8/00	5-20	280689	<5.0	[redacted]	6.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-151	6/20/01	5-20	296398	<5.0	[redacted]	6.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-151	7/18/02	5-20	324114	<1.0	[redacted]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-152	7/14/95	5-20	W5070191-01	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-152	2/5/97	5-20	W7020074-10	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-152	11/23/99	5-20	253801	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-152	2/29/00	5-20	260573	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-152	11/8/00	5-20	280690	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-152	6/20/01	5-20	296401	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-152	7/15/02	5-20	324016	<1.0	[redacted]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-153	7/14/95	4.5-19.5	W5070191-02	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-153	2/6/97	4.5-19.5	W7020074-14	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-153 Dup	2/6/97	4.5-19.5	W7020074-23	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-153	11/23/99	4.5-19.5	253796	<5.0	[redacted]	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-153	2/28/00	4.5-19.5	260594	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-153	11/8/00	4.5-19.5	280691	<5.0	[redacted]	37	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-153	6/21/01	4.5-19.5	296404	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-153 Dup.	6/21/01	4.5-19.5	296405	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-153	7/22/02	4.5-19.5	324185	[redacted]	[redacted]	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-154	7/14/95	5-20	W5070191-12	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-154	2/5/97	5-20	W7020074-11	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-154	11/23/99	5-20	253789	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-154	2/28/00	5-20	260587	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-154	11/8/00	5-20	280692	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-154	6/21/01	5-20	296410	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-154	7/22/02	5-20	324191	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-155	9/11/95	14-29	W5090134-02	<50	[redacted]	<50	<50	NA	NA	NA	<50	<50	NA	<50
MW-155	2/6/97	14-29	W7020074-15	<500	[redacted]	<500	<500	NA	NA	NA	<500	<500	NA	<500
MW-155	11/23/99	14-29	253793	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-155	2/28/00	14-29	260591	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-155	11/8/00	14-29	280693	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-155	6/21/01	14-29	296414	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-155	7/19/02	14-29	324155	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-156	9/11/95	5-20	W5090134-03	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-156	2/6/97	5-20	W7020074-16	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-156 Dup	2/6/97	5-20	W7020074-24	<5.0	[redacted]	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-156	11/23/99	5-20	253807	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-156	2/29/00	5-20	260577	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-156	11/8/00	5-20	280694	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-156	6/20/01	5-20	296402	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-156	7/18/02	5-20	324116	<1.0	[redacted]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-157	2/6/97	5-20	W7020074-19	<50	<50	<50	<50	NA	NA	NA	<50	<50	NA	<50
MW-157 Dup.	2/26/97	5-20	W7020396-01	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-157	2/29/00	5-20	260581	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-157	11/8/00	5-20	280695	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-157	6/21/01	5-20	296411	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-157	7/19/02	5-20	324153	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-158	2/6/97	14-29	W7020074-20	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	NA	<5.0
MW-158	11/23/99	14-29	253794	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-158	2/28/00	14-29	260592	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-158 Dup.	2/28/00	14-29	260584	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-158	11/8/00	14-29	280696	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-158	6/21/01	14-29	296415	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-158	7/19/02	14-29	324156	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-159	2/28/00	NA	260585	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-159	11/7/00	NA	280697	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-159	6/21/01	NA	296412	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-159	7/19/02	Unknown	324152	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
[redacted]														
Tier II Residential Cleanup Goals - Groundwater [1]				7.0	70	128[2]	NA	NA	NA	0.850[2]	NA	NA	NA	700
[redacted]														
Tier II Non-Residential Cleanup Goals - Groundwater [1]				7.0	1,022	2,040[2]	NA	NA	NA	28.6[2]	NA	NA	NA	10,220
[redacted]														
[redacted]														

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter E = result is estimated NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Ethyl methacrylate	2-Hexanone	Hexachlorobutadiene	Iodomethane	Isopropylbenzene	p-Isopropyltoluene	Methylene chloride	Methyl-ethyl-ketone (MEK)	Methyl-tert-butyl ether (MTBE)	Paraldehyde
MW-150	7/17/95	4-19	W5070229-01	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-150	2/5/97	4-19	W7020074-09	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-150	11/23/99	4-19	253803	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-150	2/29/00	4-19	260575	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-150	11/8/00	4-19	280688	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-150	6/20/01	4-19	296390	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-150	7/19/02	4-19	324159	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-151	7/14/95	5-20	W5070191-03	NA	<20	NA	NA	NA	NA	<5	<20	NA	<20
MW-151	2/6/97	5-20	W7020074-13	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-151	11/23/99	5-20	253809	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-151	2/29/00	5-20	260579	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-151	11/8/00	5-20	280689	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-151	6/20/01	5-20	296398	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-151	7/18/02	5-20	324114	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-152	7/14/95	5-20	W5070191-01	NA	<20	NA	NA	NA	NA	<5	<20	NA	NA
MW-152	2/5/97	5-20	W7020074-10	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-152	11/23/99	5-20	253801	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-152	2/29/00	5-20	260573	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-152	11/8/00	5-20	280690	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-152	6/20/01	5-20	296401	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-152	7/15/02	5-20	324016	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-153	7/14/95	4.5-19.5	W5070191-02	NA	<20	NA	NA	NA	NA	<5	<20	NA	<20
MW-153	2/6/97	4.5-19.5	W7020074-14	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-153 Dup	2/6/97	4.5-19.5	W7020074-23	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	NA
MW-153	11/23/99	4.5-19.5	253796	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-153	2/28/00	4.5-19.5	260594	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-153	11/8/00	4.5-19.5	280691	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-153	6/21/01	4.5-19.5	296404	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	NA
MW-153 Dup.	6/21/01	4.5-19.5	296405	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-153	7/22/02	4.5-19.5	324185	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-154	7/14/95	5-20	W5070191-12	NA	<20	NA	NA	NA	NA	<5	<20	NA	<20
MW-154	2/5/97	5-20	W7020074-11	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-154	11/23/99	5-20	253789	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-154	2/28/00	5-20	260587	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-154	11/8/00	5-20	280692	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-154	6/21/01	5-20	296410	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-154	7/22/02	5-20	324191	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-155	9/11/95	14-29	W5090134-02	NA	<200	NA	NA	NA	NA	<50	<200	NA	<200
MW-155	2/6/97	14-29	W7020074-15	NA	<2,000	NA	NA	NA	NA	630	<2,000	NA	<2,000
MW-155	11/23/99	14-29	253793	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-155	2/28/00	14-29	260591	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-155	11/8/00	14-29	280693	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-155	6/21/01	14-29	296414	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-155	7/19/02	14-29	324155	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-156	9/11/95	5-20	W5090134-03	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-156	2/6/97	5-20	W7020074-16	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	<20
MW-156 Dup	2/6/97	5-20	W7020074-24	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	NA
MW-156	11/23/99	5-20	253807	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-156	2/29/00	5-20	260577	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-156	11/8/00	5-20	280694	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-156	6/20/01	5-20	296402	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-156	7/18/02	5-20	324116	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-157	2/6/97	5-20	W7020074-19	NA	<200	NA	NA	NA	NA	<50	<200	NA	<200
MW-157 Dup.	2/26/97	5-20	W7020396-01	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	NA
MW-157	2/29/00	5-20	260581	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-157	11/8/00	5-20	280695	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-157	6/21/01	5-20	296411	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-157	7/19/02	5-20	324153	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-158	2/6/97	14-29	W7020074-20	NA	<20	NA	NA	NA	NA	<5.0	<20	NA	NA
MW-158	11/23/99	14-29	253794	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-158	2/28/00	14-29	260592	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-158 Dup.	2/28/00	14-29	260584	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-158	11/8/00	14-29	280696	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-158	6/21/01	14-29	296415	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-158	7/19/02	14-29	324156	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-159	2/28/00	NA	260585	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-159	11/7/00	NA	280697	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-159	6/21/01	NA	296412	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-159	7/19/02	Unknown	324152	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
Tier II Residential Cleanup Goals - Groundwater [1]				NA	NA	10	NA	689[2]	445[2]	6.30[2]	917.72	45	NA
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	NA	36.7	NA	10,200[2]	10,200[2]	381[2]	5,110	715	NA

Detected compound is above the MRP Tier II Non-Residential Cleanup Goal

Detected compound is below the MRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter E = result is estimated NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene
MW-150	7/17/95	4-19	W5070229-01	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-150	2/5/97	4-19	W7020074-09	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-150	11/23/99	4-19	253803	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-150	2/29/00	4-19	260575	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-150	11/8/00	4-19	280688	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-150	6/20/01	4-19	296390	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-150	7/19/02	4-19	324159	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-151	7/14/95	5-20	W5070191-03	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-151	2/6/97	5-20	W7020074-13	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-151	11/23/99	5-20	253809	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-151	2/29/00	5-20	260579	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-151	11/8/00	5-20	280689	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-151	6/20/01	5-20	296398	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-151	7/18/02	5-20	324114	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-152	7/14/95	5-20	W5070191-01	<20	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-152	2/5/97	5-20	W7020074-10	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-152	11/23/99	5-20	253801	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-152	2/29/00	5-20	260573	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-152	11/8/00	5-20	280690	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-152	6/20/01	5-20	296401	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-152	7/15/02	5-20	324016	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-153	7/14/95	4.5-19.5	W5070191-02	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-153	2/6/97	4.5-19.5	W7020074-14	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-153 Dup	2/6/97	4.5-19.5	W7020074-23	<20	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-153	11/23/99	4.5-19.5	253796	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-153	2/28/00	4.5-19.5	260594	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-153	11/8/00	4.5-19.5	280691	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-153	6/21/01	4.5-19.5	296404	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-153 Dup.	6/21/01	4.5-19.5	296405	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-153	7/22/02	4.5-19.5	324185	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-154	7/14/95	5-20	W5070191-12	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-154	2/5/97	5-20	W7020074-11	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-154	11/23/99	5-20	253789	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-154	2/28/00	5-20	260587	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-154	11/8/00	5-20	280692	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-154	6/21/01	5-20	296410	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-154	7/22/02	5-20	324191	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-155	9/11/95	14-29	W5090134-02	NA	NA	NA	<50	NA	<50	<50	NA	<50	NA	NA
MW-155	2/6/97	14-29	W7020074-15	NA	NA	NA	<500	NA	<500	<500	NA	<500	NA	NA
MW-155	11/23/99	14-29	253793	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-155	2/28/00	14-29	260591	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-155	11/8/00	14-29	280693	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-155	6/21/01	14-29	296414	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-155	7/19/02	14-29	324155	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-156	9/11/95	5-20	W5090134-03	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-156	2/6/97	5-20	W7020074-16	NA	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-156 Dup	2/6/97	5-20	W7020074-24	<20	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-156	11/23/99	5-20	253807	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-156	2/29/00	5-20	260577	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-156	11/8/00	5-20	280694	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-156	6/20/01	5-20	296402	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-156	7/18/02	5-20	324116	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-157	2/6/97	5-20	W7020074-19	NA	NA	NA	<50	NA	<50	<50	NA	<50	NA	NA
MW-157 Dup.	2/26/97	5-20	W7020396-01	<20	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-157	2/29/00	5-20	260581	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-157	11/8/00	5-20	280695	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-157	6/21/01	5-20	296411	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-157	7/19/02	5-20	324153	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-158	2/6/97	14-29	W7020074-20	<20	NA	NA	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA
MW-158	11/23/99	14-29	253794	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-158	2/28/00	14-29	260592	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-158 Dup.	2/28/00	14-29	260584	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-158	11/8/00	14-29	280696	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-158	6/21/01	14-29	296415	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-158	7/19/02	14-29	324156	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-159	2/28/00	NA	260585	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-159	11/7/00	NA	280697	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-159	6/21/01	NA	296412	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-159	7/19/02	Unknown	324152	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				1,520	1,216	64 [2]	NA	5	5	5	NA	1,000	NA	70
Tier II Non-Residential Cleanup Goals - Groundwater [1]				5,110	4,088	1,020 [2]	NA	110	14.3	56.1	NA	20,440	NA	1,022

Concentrations exceed the VRP Tier II Non-Residential Cleanup Goal

Concentrations exceed the VRP Tier II Residential Cleanup Goal

VOCs – Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter E = result is estimated NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	Vinyl chloride	Xylenes, (Total)
MW-150	7/17/95	4-19	W5070229-01	<5.0	<5.0	[redacted]	NA	NA	NA	NA	<20	<10	<5.0
MW-150	2/5/97	4-19	W7020074-09	<5.0	<5.0	[redacted]	NA	NA	NA	NA	<20	<10	<5.0
MW-150	11/23/99	4-19	253803	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-150	2/29/00	4-19	260575	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-150	11/8/00	4-19	280688	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-150	6/20/01	4-19	296390	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-150	7/19/02	4-19	324159	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-151	7/14/95	5-20	W5070191-03	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-151	2/6/97	5-20	W7020074-13	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-151	11/23/99	5-20	253809	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-151	2/29/00	5-20	260579	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-151	11/8/00	5-20	280689	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-151	6/20/01	5-20	296398	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-151	7/18/02	5-20	324114	<1.0	<1.0	[redacted]	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-152	7/14/95	5-20	W5070191-01	<5.0	<5.0	[redacted]	NA	NA	NA	NA	<20	<10	<5.0
MW-152	2/5/97	5-20	W7020074-10	<5.0	<5.0	[redacted]	NA	NA	NA	NA	<20	<10	<5.0
MW-152	11/23/99	5-20	253801	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-152	2/29/00	5-20	260573	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-152	11/8/00	5-20	280690	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-152	6/20/01	5-20	296401	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-152	7/15/02	5-20	324016	<1.0	<1.0	[redacted]	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-153	7/14/95	4.5-19.5	W5070191-02	<5.0	<5.0	[redacted]	NA	NA	NA	NA	<20	[redacted]	<5.0
MW-153	2/6/97	4.5-19.5	W7020074-14	<5.0	<5.0	[redacted]	NA	NA	NA	NA	<20	<10	<5.0
MW-153 Dup	2/6/97	4.5-19.5	W7020074-23	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-153	11/23/99	4.5-19.5	253796	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-153	2/28/00	4.5-19.5	260594	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-153	11/8/00	4.5-19.5	280691	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-153	6/21/01	4.5-19.5	296404	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-153 Dup.	6/21/01	4.5-19.5	296405	<5.0	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-153	7/22/02	4.5-19.5	324185	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10	[redacted]	<5.0
MW-154	7/14/95	5-20	W5070191-12	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-154	2/5/97	5-20	W7020074-11	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-154	11/23/99	5-20	253789	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-154	2/28/00	5-20	260587	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-154	11/8/00	5-20	280692	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-154	6/21/01	5-20	296410	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-154	7/22/02	5-20	324191	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-155	9/11/95	14-29	W5090134-02	<50	<50	<50	NA	NA	NA	NA	<200	[redacted]	<50
MW-155	2/6/97	14-29	W7020074-15	<500	<500	<500	NA	NA	NA	NA	<2,000	[redacted]	<500
MW-155	11/23/99	14-29	253793	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-155	2/28/00	14-29	260591	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-155	11/8/00	14-29	280693	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-155	6/21/01	14-29	296414	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-155	7/19/02	14-29	324155	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-156	9/11/95	5-20	W5090134-03	<5.0	<5.0	[redacted]	NA	NA	NA	NA	<20	<10	<5.0
MW-156	2/6/97	5-20	W7020074-16	<5.0	<5.0	[redacted]	NA	NA	NA	NA	<20	<10	<5.0
MW-156 Dup	2/6/97	5-20	W7020074-24	<5.0	<5.0	[redacted]	NA	NA	NA	NA	<20	<10	<5.0
MW-156	11/23/99	5-20	253807	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-156	2/29/00	5-20	260577	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-156	11/8/00	5-20	280694	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-156	6/20/01	5-20	296402	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-156	7/18/02	5-20	324116	<1.0	<1.0	[redacted]	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-157	2/6/97	5-20	W7020074-19	<50	<50	[redacted]	NA	NA	NA	NA	<200	<100	<50
MW-157 Dup.	2/26/97	5-20	W7020396-01	<5.0	<5.0	[redacted]	NA	NA	NA	NA	<20	<10	<5.0
MW-157	2/29/00	5-20	260581	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-157	11/8/00	5-20	280695	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-157	6/21/01	5-20	296411	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-157	7/19/02	5-20	324153	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-158	2/6/97	14-29	W7020074-20	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-158	11/23/99	14-29	253794	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-158	2/28/00	14-29	260592	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-158 Dup.	2/28/00	14-29	260584	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-158	11/8/00	14-29	280696	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-158	6/21/01	14-29	296415	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-158	7/19/02	14-29	324156	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-159	2/28/00	NA	260585	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-159	11/7/00	NA	280697	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-159	6/21/01	NA	296412	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-159	7/19/02	Unknown	324152	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				200	5	5	1,380[2]	NA	13.7[2]	13.7[2]	NA	2	10,000
Tier II Non-Residential Cleanup Goals - Groundwater [1]				9,198	50.2	260	30,700[2]	NA	5,110[2]	5,110[2]	NA	10	204,400

[redacted] Exceeds the VRP Tier II Non-Residential Cleanup Goal

[redacted] Exceeds the VRP Tier II Residential Cleanup Goal

[redacted] Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter E = result is estimated NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

(2) Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	n-Butylbenzene
MW-160	3/2/00	3-13	260551	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-160	11/8/00	3-13	280698	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-160	6/21/01	3-13	296417	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-160	7/17/02	3-13	324027	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-160 Dup.	7/17/02	3-13	324028	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-161	3/2/00	3-13	260552	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-161	11/8/00	3-13	280699	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-161	6/21/01	3-13	296416	<50	<250	<250	<5.0	<5.0	<5.0	38	<5.0	<10.	<5.0
MW-161	7/18/02	3-13	324103	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-162	11/8/00	NA	280700	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-162	6/20/01	NA	296394	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-162	7/18/02	10-20	324118	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-163	11/8/00	NA	280701	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-163	6/20/01	NA	296395	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-163	7/18/02	6-16	324117	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-163 Dup.	7/18/02	6-16	324119	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-164	11/7/00	16-26	280702	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-164	6/21/01	16-26	296413	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-164	7/19/02	16-26	324154	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-165S	6/1/01	10-20	294563	<50	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-165S Dup.	6/1/01	10-20	294564	<50	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-165	7/18/02	10-20	324108	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-166S	6/1/01	10-20	294565	<50	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-166	7/18/02	10-20	324106	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-167S	6/1/01	12-22	294566	<50	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-167	7/17/02	12-22	324026	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-168S	6/1/01	12-22	294567	<50	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-168	7/18/02	12-22	324110	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-168S Dup.	7/18/02	12-22	324111	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-169S	1/30/02	15-25	312995	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-169S	7/17/02	15-25	324019	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-170S	1/31/02	17-27	313002	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-170S Dup.	1/31/02	17-27	313003	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-170S	7/17/02	17-27	324023	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-171S	1/30/02	12-22	312997	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
MW-171S	7/17/02	12-22	324021	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-172S	9/4/02	15-25	327656	[redacted] 27	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
CH151-MW235	5/27/93	NA	69678	<20	<50	<50	<1.0	NA	NA	<1.0	<1.0	<5.0	NA
OB-1	11/23/99	5-15	253805	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
OB-2	11/23/99	5-15	253806	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				3,040	NA	NA	5.0	NA	NA	0.289[2]	NA	NA	64[2]
Tier II Non-Residential Cleanup Goals - Groundwater [1]				10,220	NA	NA	98.6	NA	NA	46.1[2]	NA	NA	1,020[2]

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter
E = result is estimated NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene
MW-160	3/2/00	3-13	260551	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-160	11/8/00	3-13	280698	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-160	6/21/01	3-13	296417	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-160	7/17/02	3-13	324027	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-160 Dup.	7/17/02	3-13	324028	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-161	3/2/00	3-13	260552	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-161	11/8/00	3-13	280699	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-161	6/21/01	3-13	296416	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-161	7/18/02	3-13	324103	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-162	11/8/00	NA	280700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-162	6/20/01	NA	296394	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-162	7/18/02	10-20	324118	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-163	11/8/00	NA	280701	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-163	6/20/01	NA	296395	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-163	7/18/02	6-16	324117	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-163 Dup.	7/18/02	6-16	324119	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-164	11/7/00	16-26	280702	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-164	6/21/01	16-26	296413	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-164	7/19/02	16-26	324154	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-165S	6/1/01	10-20	294563	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-165S Dup.	6/1/01	10-20	294564	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-165	7/18/02	10-20	324108	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-166S	6/1/01	10-20	294565	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-166	7/18/02	10-20	324106	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-167S	6/1/01	12-22	294566	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-167	7/17/02	12-22	324026	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-168S	6/1/01	12-22	294567	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	68J	<10.	<5.0	<5.0
MW-168	7/18/02	12-22	324110	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-168S Dup.	7/18/02	12-22	324111	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-169S	1/30/02	15-25	312995	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-169S	7/17/02	15-25	324019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-170S	1/31/02	17-27	313002	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-170S Dup.	1/31/02	17-27	313003	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-170S	7/17/02	17-27	324023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-171S	1/30/02	12-22	312997	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
MW-171S	7/17/02	12-22	324021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
MW-172S	9/4/02	15-25	327656	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<1.0
CH151-MW235	5/27/93	NA	69678	NA	NA	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<10	NA	NA
OB-1	11/23/99	5-15	253805	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
OB-2	11/23/99	5-15	253806	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20	<10.	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				64[2]	64[2]	1,060[2]	NA	112[2]	NA	23,161	100	NA	NA	NA
Tier II Non-Residential Cleanup Goals - Groundwater [1]				1,020[2]	1,020[2]	10,200[2]	NA	2,040[2]	NA	NA	468.9	NA	NA	NA

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter
E = result is estimated NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	2-Chloroethyl vinyl ether	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	trans-1,4-Dichloro-2-butene	1,1-Dichloroethane	1,2-Dichloroethane
MW-160	3/2/00	3-13	260551	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-160	11/8/00	3-13	280698	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-160	6/21/01	3-13	296417	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-160	7/17/02	3-13	324027	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-160 Dup.	7/17/02	3-13	324028	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-161	3/2/00	3-13	260552	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-161	11/8/00	3-13	280699	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	22	<5.0
MW-161	6/21/01	3-13	296416	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	10	<5.0
MW-161	7/18/02	3-13	324103	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	85	<1.0
MW-162	11/8/00	NA	280700	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-162	6/20/01	NA	296394	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-162	7/18/02	10-20	324118	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-163	11/8/00	NA	280701	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-163	6/20/01	NA	296395	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-163	7/18/02	6-16	324117	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-163 Dup.	7/18/02	6-16	324119	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-164	11/7/00	16-26	280702	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-164	6/21/01	16-26	296413	<50	<50	<5.0	<10	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-164	7/19/02	16-26	324154	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-165S	6/1/01	10-20	294563	NA	<50	<5.0	<10	<5.0	<5.0	<5.0	<10	NA	<5.0	<5.0
MW-165S Dup.	6/1/01	10-20	294564	NA	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	NA	<5.0	<5.0
MW-165	7/18/02	10-20	324108	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-166S	6/1/01	10-20	294565	NA	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	NA	<5.0	<5.0
MW-166	7/18/02	10-20	324106	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-167S	6/1/01	12-22	294566	NA	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	NA	<5.0	<5.0
MW-167	7/17/02	12-22	324026	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-168S	6/1/01	12-22	294567	NA	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	NA	<5.0	<5.0
MW-168	7/18/02	12-22	324110	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-168S Dup.	7/18/02	12-22	324111	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-169S	1/30/02	15-25	312995	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-169S	7/17/02	15-25	324019	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-170S	1/31/02	17-27	313002	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-170S Dup.	1/31/02	17-27	313003	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-170S	7/17/02	17-27	324023	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-171S	1/30/02	12-22	312997	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
MW-171S	7/17/02	12-22	324021	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-172S	9/4/02	15-25	327656	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
CH151-MW235	5/27/93	NA	69678	<5.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<10	NA	<1.0	<1.0
OB-1	11/23/99	5-15	253805	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
OB-2	11/23/99	5-15	253806	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	NA	NA	NA	600	600	75	NA	NA	640	5.0
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	NA	NA	NA	9,198	NA	119.2	NA	NA	10,220	31.4

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

E = result is estimated NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethyl Acetate	Ethylbenzene
MW-160	3/2/00	3-13	260551	<5.0	61	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-160	11/8/00	3-13	280698	<5.0	58	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-160	6/21/01	3-13	296417	<5.0	47	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-160	7/17/02	3-13	324027	<1.0	45	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-160 Dup.	7/17/02	3-13	324028	<1.0	47	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-161	3/2/00	3-13	260552	<5.0	48	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-161	11/8/00	3-13	280699	79	13,000	80	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-161	6/21/01	3-13	296416	36	6,700	37	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-161	7/18/02	3-13	324103	11.7	7,920	55.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-162	11/8/00	NA	280700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-162	6/20/01	NA	296394	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-162	7/18/02	10-20	324118	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-163	11/8/00	NA	280701	10	331	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-163	6/20/01	NA	296395	03	230	12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-163	7/18/02	6-16	324117	<1.0	188	6.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-163 Dup.	7/18/02	6-16	324119	<1.0	5	7.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-164	11/7/00	16-26	280702	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-164	6/21/01	16-26	296413	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-164	7/19/02	16-26	324154	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-165S	6/1/01	10-20	294563	<5.0	23.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-165S Dup.	6/1/01	10-20	294564	<5.0	24.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-165	7/18/02	10-20	324108	<1.0	60.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-166S	6/1/01	10-20	294565	<5.0	35.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-166	7/18/02	10-20	324106	<1.0	22.2	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-167S	6/1/01	12-22	294566	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-167	7/17/02	12-22	324026	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-168S	6/1/01	12-22	294567	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-168	7/18/02	12-22	324110	<1.0	45.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-168S Dup.	7/18/02	12-22	324111	<1.0	46	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-169S	1/30/02	15-25	312995	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-169S	7/17/02	15-25	324019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-170S	1/31/02	17-27	313002	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-170S Dup.	1/31/02	17-27	313003	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-170S	7/17/02	17-27	324023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-171S	1/30/02	12-22	312997	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
MW-171S	7/17/02	12-22	324021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
MW-172S	9/4/02	15-25	327656	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
CH151-MW235	5/27/93	NA	69678	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<10	<1.0
OB-1	11/23/99	5-15	253805	<5.0	271	8.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
OB-2	11/23/99	5-15	253806	<5.0	67	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				7.0	70	128[2]	NA	NA	NA	0.850[2]	NA	NA	NA	700
Tier II Non-Residential Cleanup Goals - Groundwater [1]				7.0	1,022	2,040[2]	NA	NA	NA	28.6[2]	NA	NA	NA	10,220

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

E = result is estimated NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Ethyl methacrylate	2-Hexanone	Hexachlorobutadiene	Iodomethane	Isopropylbenzene	p-Isopropyltoluene	Methylene chloride	Methyl-ethyl-ketone (MEK)	Methyl-tert-butyl ether (MTBE)	Paraldehyde
MW-160	3/2/00	3-13	260551	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-160	11/8/00	3-13	280698	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-160	6/21/01	3-13	296417	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-160	7/17/02	3-13	324027	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-160 Dup.	7/17/02	3-13	324028	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-161	3/2/00	3-13	260552	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-161	11/8/00	3-13	280699	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-161	6/21/01	3-13	296416	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-161	7/18/02	3-13	324103	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-162	11/8/00	NA	280700	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-162	6/20/01	NA	296394	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-162	7/18/02	10-20	324118	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-163	11/8/00	NA	280701	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-163	6/20/01	NA	296395	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-163	7/18/02	6-16	324117	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-163 Dup.	7/18/02	6-16	324119	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-164	11/7/00	16-26	280702	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-164	6/21/01	16-26	296413	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-164	7/19/02	16-26	324154	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-165S	6/1/01	10-20	294563	NA	<50.	<5.0	NA	<5.0	<5.0	<10.	<50.	NA	<50.
MW-165S Dup.	6/1/01	10-20	294564	NA	<50.	<5.0	NA	<5.0	<5.0	<10.	<50.	NA	<50.
MW-165	7/18/02	10-20	324108	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-166S	6/1/01	10-20	294565	NA	<50.	<5.0	NA	<5.0	<5.0	<10.	<50.	NA	<50.
MW-166	7/18/02	10-20	324106	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-167S	6/1/01	12-22	294566	NA	<50.	<5.0	NA	<5.0	<5.0	<10.	<50.	NA	<50.
MW-167	7/17/02	12-22	324026	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-168S	6/1/01	12-22	294567	NA	<50.	<5.0	NA	<5.0	<5.0	<10.	<50.	NA	<50.
MW-168	7/18/02	12-22	324110	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-168S Dup.	7/18/02	12-22	324111	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-169S	1/30/02	15-25	312995	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-169S	7/17/02	15-25	324019	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-170S	1/31/02	17-27	313002	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-170S Dup.	1/31/02	17-27	313003	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-170S	7/17/02	17-27	324023	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-171S	1/30/02	12-22	312997	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
MW-171S	7/17/02	12-22	324021	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
MW-172S	9/4/02	15-25	327656	<5.0	<12.5	<5.0	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5
CH151-MW235	5/27/93	NA	69678	<10	<10	NA	<10	NA	NA	<10	<10	NA	<10
OB-1	11/23/99	5-15	253805	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
OB-2	11/23/99	5-15	253806	<10.	<50.	<5.0	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.
Tier II Residential Cleanup Goals - Groundwater [1]				NA	NA	10	NA	689[2]	445[2]	6.30[2]	917.72	45	NA
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	NA	36.7	NA	10,200[2]	10,200[2]	381[2]	5,110	715	NA

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

E = result is estimated NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

(2) Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene
MW-160	3/2/00	3-13	260551	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-160	11/8/00	3-13	280698	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-160	6/21/01	3-13	296417	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-160	7/17/02	3-13	324027	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-160 Dup.	7/17/02	3-13	324028	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-161	3/2/00	3-13	260552	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-161	11/8/00	3-13	280699	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-161	6/21/01	3-13	296416	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-161	7/18/02	3-13	324103	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-162	11/8/00	NA	280700	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-162	6/20/01	NA	296394	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-162	7/18/02	10-20	324118	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-163	11/8/00	NA	280701	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-163	6/20/01	NA	296395	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-163	7/18/02	6-16	324117	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-163 Dup.	7/18/02	6-16	324119	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-164	11/7/00	16-26	280702	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-164	6/21/01	16-26	296413	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-164	7/19/02	16-26	324154	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-165S	6/1/01	10-20	294563	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-165S Dup.	6/1/01	10-20	294564	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-165	7/18/02	10-20	324108	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-166S	6/1/01	10-20	294565	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-166	7/18/02	10-20	324106	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-167S	6/1/01	12-22	294566	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-167	7/17/02	12-22	324026	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-168S	6/1/01	12-22	294567	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-168	7/18/02	12-22	324110	<5.0	NA	<1.0	<1.0	<1.0	<1.0	19.8	NA	<1.0	<5.0	<5.0
MW-168S Dup.	7/18/02	12-22	324111	<5.0	NA	<1.0	<1.0	<1.0	<1.0	52.4	NA	<1.0	<5.0	<5.0
MW-169S	1/30/02	15-25	312995	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-169S	7/17/02	15-25	324019	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-170S	1/31/02	17-27	313002	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-170S Dup.	1/31/02	17-27	313003	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-170S	7/17/02	17-27	324023	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-171S	1/30/02	12-22	312997	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
MW-171S	7/17/02	12-22	324021	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
MW-172S	9/4/02	15-25	327656	<5.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0
CH151-MW235	5/27/93	NA	69678	<10	NA	NA	<1.0	NA	<1.0	<1.0	<10	<1.0	NA	NA
OB-1	11/23/99	5-15	253805	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
OB-2	11/23/99	5-15	253806	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				1,520	1,216	64[2]	NA	5	5	5	NA	1,000	NA	70
Tier II Non-Residential Cleanup Goals - Groundwater [1]				5,110	4,088	1,020[2]	NA	110	14.3	56.1	NA	20,440	NA	1,022

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

E = result is estimated NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 7a
Shallow Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	Vinyl chloride	Xylenes, (Total)
MW-160	3/2/00	3-13	260551	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-160	11/8/00	3-13	280698	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-160	6/21/01	3-13	296417	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-160	7/17/02	3-13	324027	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	[redacted]	<1.0
MW-160 Dup.	7/17/02	3-13	324028	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	[redacted]	<1.0
MW-161	3/2/00	3-13	260552	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-161	11/8/00	3-13	280699	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-161	6/21/01	3-13	296416	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-161	7/18/02	3-13	324103	<1.0	<1.0	[redacted]	<1.0	<5.0	<1.0	<1.0	<5.0	[redacted]	<1.0
MW-162	11/8/00	NA	280700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-162	6/20/01	NA	296394	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-162	7/18/02	10-20	324118	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-163	11/8/00	NA	280701	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-163	6/20/01	NA	296395	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-163	7/18/02	6-16	324117	<1.0	<1.0	[redacted]	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-163 Dup.	7/18/02	6-16	324119	<1.0	<1.0	[redacted]	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-164	11/7/00	16-26	280702	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-164	6/21/01	16-26	296413	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-164	7/19/02	16-26	324154	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-165S	6/1/01	10-20	294563	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<2.0	<5.0
MW-165S Dup.	6/1/01	10-20	294564	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<2.0	<5.0
MW-165	7/18/02	10-20	324108	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	[redacted]	<1.0
MW-166S	6/1/01	10-20	294565	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	[redacted]	<5.0
MW-166	7/18/02	10-20	324106	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	[redacted]	<1.0
MW-167S	6/1/01	12-22	294566	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	[redacted]	<5.0
MW-167	7/17/02	12-22	324026	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	[redacted]	<1.0
MW-168S	6/1/01	12-22	294567	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<2.0	<5.0
MW-168	7/18/02	12-22	324110	<1.0	<1.0	[redacted]	<1.0	<5.0	<1.0	<1.0	<5.0	[redacted]	<1.0
MW-168S Dup.	7/18/02	12-22	324111	<1.0	<1.0	[redacted]	<1.0	<5.0	<1.0	<1.0	<5.0	[redacted]	<1.0
MW-169S	1/30/02	15-25	312995	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-169S	7/17/02	15-25	324019	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	[redacted]	<1.0
MW-170S	1/31/02	17-27	313002	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-170S Dup.	1/31/02	17-27	313003	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	[redacted]	<5.0
MW-170S	7/17/02	17-27	324023	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	[redacted]	<1.0
MW-171S	1/30/02	12-22	312997	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-171S	7/17/02	12-22	324021	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-172S	9/4/02	15-25	327656	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
CH151-MW235	5/27/93	NA	69678	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	<10	<5	<1.0
OB-1	11/23/99	5-15	253805	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
OB-2	11/23/99	5-15	253806	<5.0	<5.0	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				200	5	5	1,380[2]	NA	13.7[2]	13.7[2]	NA	2	10,000
Tier II Non-Residential Cleanup Goals - Groundwater [1]				9,198	50.2	260	30,700[2]	NA	5,110[2]	5,110[2]	NA	10	204,400

[redacted] Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal
[redacted] Detected compound exceeds the VRP Tier II Residential Cleanup Goal
[redacted] Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter
E = result is estimated NA = Not Applicable
*cis 1,2 Dichloroethylene and trans 1,2 Dichloroethene results are combined
(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
(2) Calculated using surrogate toxicity values and Tier II equations.

SHALLOW MONITORING WELL GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Table 7b
Shallow Monitoring Well Groundwater Analytical Results for PAHs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
MW-10-1	7/19/2002	7-17	324157	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-10-1 Dup.	7/19/2002	7-17	324158	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-132	7/22/2002	10-20	324190	<1.01	<1.01	<1.01	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.01	<0.20	<2.02	<1.01	<0.20
MW-135	6/20/2001	10-20	296393	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-135	7/15/2002	10-20	324015	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-145	6/21/2001	17.5-27.5	296418	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-145	7/22/2002	17.5-27.5	324184	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-146	6/21/2001	15-25	296419	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-146	7/15/2002	15-25	324017	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-147	6/21/2001	20-30	296409	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-147	7/22/2002	20-30	324189	<1.03	<1.03	<1.03	<0.10	<0.20	<0.20	<0.21	<0.20	<0.20	<0.10	<0.21	<1.03	<0.21	<2.06	<1.03	<0.21
MW-148	6/21/2001	10.5-25.5	296407	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-148 Dup.	6/21/2001	10.5-25.5	296408	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-148	7/22/2002	10.5-25.5	324188	<1.03	<1.03	<1.03	<0.10	<0.20	<0.20	<0.21	<0.20	<0.20	<0.10	<0.21	<1.03	<0.21	<2.06	<1.03	<0.21
MW-150	6/20/2001	4-19	296390	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-150	7/19/2002	4-19	324159	<1.01	<1.01	<1.01	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.01	<0.20	<2.02	<1.01	<0.20
MW-151	6/20/2001	5-20	296398	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-151	7/18/2002	5-20	324114	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-152	6/20/2001	5-20	296401	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-152	7/15/2002	5-20	324016	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-153	6/21/2001	4.5-19.5	296404	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-153 Dup.	6/21/2001	4.5-19.5	296405	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-153	7/22/2002	4.5-19.5	324185	<1.01	<1.01	<1.01	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.01	<0.20	<2.02	<1.01	<0.20
MW-154	6/21/2001	5-20	296410	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-154	7/22/2002	5-20	324191	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-155	6/21/2001	14-29	296414	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-155	7/19/2002	14-29	324155	<1.01	<1.01	<1.01	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.01	<0.20	<2.02	<1.01	<0.20
Tier II Residential Cleanup Goals - Groundwater [1]				1,824	6.89[2]	9,120	0.10	0.20	0.20	38.4[2]	0.20	0.20	0.30	243.2	1,216	0.40	1,216	230[3]	912
Tier II Non-Residential Cleanup Goals - Groundwater [1]				6,132	2,040[2]	30,660	10	10	10	613[2]	39.2	391.8	10	817.6	4,088	10	4,038	230[3]	3,066

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal.

PAHs = Polynuclear Aromatic Hydrocarbons Samples analyzed using EPA SW-846 Method 8310

µg/L = micrograms per liter NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

[3] Tier I Health Protective Levels for Phenanthrene, Iodomethane and Acrolein Technical Memo by Indiana Voluntary Remediation Program, dated 4/21/98. The given value is a residential cleanupgoal (non-residential cleanup goal is not available).

Table 7b
Shallow Monitoring Well Groundwater Analytical Results for PAHs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
MW-156	6/20/2001	5-20	296402	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-156	7/18/2002	5-20	324116	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-157	6/21/2001	5-20	296411	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-157	7/19/2002	5-20	324153	<1.01	<1.01	<1.01	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.01	<0.20	<2.02	<1.01	<0.20
MW-158	6/21/2001	14-29	296415	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-158	7/19/2002	14-29	324156	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-159	6/21/2001	NA	296412	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-159	7/19/2002	Unknown	324152	<1.72	<1.72	<1.72	<0.10	<0.20	<0.20	<0.34	<0.20	<0.20	<0.17	[redacted]	<1.72	<0.34	<3.44	<1.72	<0.34
MW-160	6/21/2001	3-13	296417	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-160	7/17/2002	3-13	324027	<1.00	<1.00	<1.00	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.00	<0.20	<2.00	<1.00	<0.20
MW-160 Dup.	7/17/2002	3-13	324028	<1.00	<1.00	<1.00	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.00	<0.20	<2.00	<1.00	<0.20
MW-161	6/21/2001	3-13	296416	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-161	7/18/2002	3-13	324103	<1.00	<1.00	<1.00	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.00	<0.20	<2.00	<1.00	<0.20
MW-162	6/20/2001	NA	296394	<18	<10	<6.6	[redacted]	[redacted]	[redacted]	<0.76	<0.20	[redacted]	[redacted]	<2.1	<2.1	[redacted]	<8.0	<6.4	<2.7
MW-162	7/18/2002	10-20	324118	<1.02	<1.02	<1.02	[redacted]	[redacted]	[redacted]	[redacted]	<0.20	<0.20	<0.10	[redacted]	<1.02	<0.20	<2.04	<1.02	[redacted]
MW-163	6/20/2001	NA	296395	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-163	7/18/2002	6-16	324117	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-163 Dup.	7/18/2002	6-16	324119	<1.01	<1.01	<1.01	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.01	<0.20	<2.02	<1.01	<0.20
MW-164	6/21/2001	16-26	296413	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-164	7/19/2002	16-26	324154	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-165S	6/1/2001	10-20	294563	<18	<10	<6.6	<0.13	<0.20	<0.18	<0.76	<0.17	<0.20	<0.30	<2.1	<2.1	<0.43	<8.0	<6.4	<2.7
MW-165S Dup.	6/1/2001	10-20	294564	<18	<10	<6.6	<0.13	<0.20	<0.18	<0.76	<0.17	<0.20	<0.30	<2.1	<2.1	<0.43	<8.0	<6.4	<2.7
MW-165	7/18/2002	10-20	324108	<1.02	<1.01	<1.01	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	[redacted]	<1.01	<0.20	<2.02	<1.01	<0.20
Tier II Residential Cleanup Goals - Groundwater [1]				1,824	6.89[2]	9,120	0.10	0.20	0.20	38.4[2]	0.20	0.20	0.30	243.2	1,216	0.40	1,216	230[3]	912
Tier II Non-Residential Cleanup Goals - Groundwater [1]				6,132	2,040[2]	30,660	10	10	10	613[2]	39.2	391.8	10	817.6	4,088	10	4,088	230[3]	3,066

[redacted] Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal.

PAHs = Polynuclear Aromatic Hydrocarbons Samples analyzed using EPA SW-846 Method 8310
µg/L = micrograms per liter NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Tier I Health Protective Levels for Phenanthrene, Iodomethane and Acrolein Technical Memo by Indiana Voluntary Remediation Program, dated 4/21/98. The given value is a residential cleanupgoal (non-residential cleanup goal is not available).

Table 7b
Shallow Monitoring Well Groundwater Analytical Results for PAHs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
MW-166S	6/1/2001	10-20	294565	<18	<10	<6.6	<0.13	<0.20	<0.18	<0.75	<0.17	<0.20	<0.30	<2.1	<2.1	<0.43	<8.0	<6.4	<2.7
MW-166	7/18/2002	10-20	324106	<1.00	<1.00	<1.00	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.00	<0.20	<2.00	<1.00	<0.20
MW-167S	6/1/2001	12-22	294566	<18	<10	<6.6	<0.13	<0.20	<0.18	<0.75	<0.17	<0.20	<0.30	<2.1	<2.1	<0.43	<8.0	<6.4	<2.7
MW-167	7/17/2002	12-22	324026	<1.01	<1.01	<1.01	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.01	<0.20	<2.02	<1.01	<0.20
MW-168S	6/1/2001	12-22	294567	<18	<10	<6.6	<0.13	<0.20	<0.18	<0.75	<0.17	<0.20	<0.30	<2.1	<2.1	<0.43	<8.0	<6.4	<2.7
MW-168	7/18/2002	12-22	324110	<1.00	<1.00	<1.00	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.00	<0.20	<2.00	<1.00	<0.20
MW-168 Dup.	7/18/2002	12-22	324111	<1.00	<1.00	<1.00	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.00	<0.20	<2.00	<1.00	<0.20
MW-169S	7/17/2002	15-25	324019	<1.00	<1.00	<1.00	[redacted]								<1.00		<2.00	<1.00	[redacted]
MW-170S	7/17/2002	17-27	324023	<1.00	<1.00	<1.00	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.00	<0.20	<2.00	<1.00	<0.20
MW-171S	7/17/2002	12-22	324021	<1.01	<1.01	<1.01	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.01	<0.20	<2.02	<1.01	<0.20
Tier II Residential Cleanup Goals - Groundwater [1]				1,824	6.89[2]	9,120	0.10	0.20	0.20	38.4[2]	0.20	0.20	0.30	243.2	1,216	0.40	1,216	230[3]	912
Tier II Non-Residential Cleanup Goals - Groundwater [1]				6,132	2,040[2]	30,560	10	10	10	613[2]	39.2	391.8	10	817.6	4,088	10	4,088	230[3]	3,066
[redacted]																			

PAHs = Polynuclear Aromatic Hydrocarbons Samples analyzed using EPA SW-846 Method 8310
µg/L = micrograms per liter NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Tier I Health Protective Levels for Phenanthrene, Iodomethane and Acrolein Technical Memo by Indiana Voluntary Remediation Program, dated 4/21/98. The given value is a residential cleanupgoal (non-residential cleanup goal is not available).

SHALLOW MONITORING WELL GROUNDWATER ANALYTICAL RESULTS FOR METALS

Table 7c

Shallow Monitoring Well Groundwater Analytical Results for Metals (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Selenium	Total Silver
MW-10-1	11/8/00	7-17	280650	<5.	54	<5.	<10.	5	<0.5	8	<5.
MW-10-1	7/19/02	7-17	324157	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-10-1 Dup.	7/19/02	7-17	324158	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-132	7/22/02	10-20	324190	NA	NA	<5.	<10.	NA	NA	NA	NA
MW-135	11/8/00	10-20	280651	7	98	<5.	44	5	<0.5	8	<5.
MW-135	6/20/01	10-20	296393	NA	NA	<5.	34	<5.	NA	NA	NA
MW-135	7/15/02	10-20	324015	NA	NA	<1.0	26.7	<1.0	NA	NA	NA
MW-145	11/8/00	17.5-27.5	280652	12	190	<5.	10	25	<0.5	<5.	<5.
MW-145	6/21/01	17.5-27.5	296418	NA	NA	<5	<10	28	NA	NA	NA
MW-145	7/22/02	17.5-27.5	324184	NA	NA	<5.0	<10.	<5.	NA	NA	NA
MW-146	11/8/00	15-25	280684	43	150	<5.	320	32	<0.5	9	<5.
MW-146	6/21/01	15-25	296419	NA	NA	<5.	190	<5.	NA	NA	NA
MW-146	7/15/02	15-25	324017	NA	NA	<5.0	108	<5.	NA	NA	NA
MW-147	11/8/00	20-30	280685	9	260	<5.	23	9	<0.5	<5.	<5.
MW-147	6/21/01	20-30	296409	NA	NA	<5.	10	25	NA	NA	NA
MW-147	7/22/02	20-30	324189	NA	NA	<5.0	<10.	8	NA	NA	NA
MW-148	11/8/00	10.5-25.5	280686	<5.	240	<5.	<10.	7	<0.5	<5.	<5.
MW-148 Dup.	11/8/00	10.5-25.5	280687	<5.	230	<5.	<10.	<5.	<0.5	<5.	<5.
MW-148	6/21/01	10.5-25.5	296407	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-148 Dup.	6/21/01	10.5-25.5	296408	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-148	7/22/02	10.5-25.5	324188	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-150	11/8/00	4-19	280688	<5.	140	<5.	7	6	<0.5	<5.	<5.
MW-150	6/20/01	4-19	296390	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-150	7/19/02	4-19	324159	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-151	11/8/00	5-20	280689	<5.	150	<5.	11	17	<0.5	5	<5.
MW-151	6/20/01	5-20	296398	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-151	7/18/02	5-20	324114	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-152	11/8/00	5-20	280690	9	76	<5.	<10.	13	<0.5	<5.	<5.
MW-152	6/20/01	5-20	296401	NA	NA	<5.	<10.	7.6	NA	NA	NA
MW-152	7/15/02	5-20	324016	NA	NA	<5.	<10.	8.9	NA	NA	NA
MW-153	11/8/00	4.5-19.5	280691	7	110	<5.	<10.	7	<0.5	<5.	<5.
MW-153	6/21/01	4.5-19.5	296404	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-153 Dup.	6/21/01	4.5-19.5	296405	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-153	7/22/02	4.5-19.5	324185	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-154	11/8/00	5-20	280692	<5.	110	<5.	<10.	<5.	<0.5	<5.	<5.
MW-154	6/21/01	5-20	296410	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-154	7/22/02	5-20	324191	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-155	11/8/00	14-29	280693	38	330	<5.	48	100	<0.5	6	<5.
MW-155	6/21/01	14-29	296414	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-155	7/19/02	14-29	324155	NA	NA	<5.	<10.	8.3	NA	NA	NA
MW-156	11/8/00	5-20	280694	7	46	<5.	7	13	<0.5	<5.	<5.
MW-156	6/20/01	5-20	296402	NA	NA	<5	<10	<5	NA	NA	NA
MW-156	7/18/02	5-20	324116	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-157	11/8/00	5-20	280695	7	10	<5.	<10.	6	<0.5	6	<5.
MW-157	6/21/01	5-20	296411	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-157	7/19/02	5-20	324153	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-158	11/8/00	14-29	280696	15	390	<5.	62	220	<0.5	17	<5.
MW-158	6/21/01	14-29	296415	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-158	7/19/02	14-29	324156	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-159	11/7/00	Unknown	280697	15	310	<5.	43	90	<0.5	13	<5.
MW-159	6/21/01	Unknown	296412	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-159	7/19/02	Unknown	324152	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-160	11/8/00	3-13	280698	12	26	<5.	37	140	<0.5	<5.	<5.
MW-160	6/21/01	3-13	296417	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-160	7/17/02	3-13	324027	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-160 Dup.	7/17/02	3-13	324028	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-161	11/8/00	3-13	280699	17	300	<5.	25	74	<0.5	10	<5.
MW-161	6/21/01	3-13	296416	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-161	7/18/02	3-13	324103	NA	NA	<5.	<10.	<5.	NA	NA	NA
Tier II Residential Cleanup Goals - Groundwater [1]				50	2,000	5.0	100	15[2]	2.0	50	152
Tier II Non-Residential Cleanup Goals - Groundwater [1]				50	7,154	51.1	511	15[2]	6.1	511	511

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal
Detected compound exceeds the VRP Tier II Residential Cleanup Goal
Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000

µg/L = micrograms per liter NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] IDEM VRP Interoffice Memo dated on January 26, 1998

Table 7c

Shallow Monitoring Well Groundwater Analytical Results for Metals (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Selenium	Total Silver
MW-162	11/8/00	NA	280700	6	63	<5.	<10.	7	<0.5	7	<5.
MW-162	6/20/01	NA	296394	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-162	7/18/02	10-20	324118	NA	NA	<5.	<10.	9	NA	NA	NA
MW-163	11/8/00	NA	280701	<5.	76	<5.	<10.	<5.	<0.5	10	<5.
MW-163	6/20/01	NA	296395	NA	NA	<5.	<10.	6.9	NA	NA	NA
MW-163	7/18/02	6-16	324117	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-163 Dup.	7/18/02	6-16	324119	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-164	11/7/00	16-26	280702	39	280	<5.	29	54	<0.5	8	<5.
MW-164	6/21/01	16-26	296413	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-164	7/19/02	16-26	324154	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-165S	6/1/01	10-20	294563	NA	NA	<5.	81	134	NA	NA	NA
MW-165S Dup.	6/1/01	10-20	294564	NA	NA	<5.	52	85	NA	NA	NA
MW-165	7/18/02	10-20	324108	NA	NA	<5.0	<10.	<5.	NA	NA	NA
MW-166S	6/1/01	10-20	294565	NA	NA	<5.	58	149	NA	NA	NA
MW-166	7/18/02	10-20	324106	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-167S	6/1/01	12-22	294566	NA	NA	<5.	86	125	NA	NA	NA
MW-167	7/17/02	12-22	324026	NA	NA	<5.	<10.	<5.	NA	NA	NA
MW-168S	6/1/01	12-22	294567	NA	NA	<5.	95	128	NA	NA	NA
MW-168	7/18/02	12-22	324110	NA	NA	<5.0	<10.	<5.	NA	NA	NA
MW-168 Dup.	7/18/02	12-22	324111	NA	NA	<5.0	<10.	<5.	NA	NA	NA
MW-169S	1/30/02	15-25	312995	NA	NA	<1.0	<2.0	<1.0	NA	NA	NA
MW-169S	7/17/02	15-25	324019	NA	NA	<5.0	66	188	NA	NA	NA
MW-170S	1/31/02	17-27	313002	NA	NA	<1.0	6.3	13.6	NA	NA	NA
MW-170S Dup	1/31/02	17-27	313003	NA	NA	<1.0	7.1	15.3	NA	NA	NA
MW-170S	7/17/02	17-27	324023	NA	NA	<5.0	<10.	14.8	NA	NA	NA
MW-171S	1/30/02	12-22	312997	NA	NA	<1.0	16	32.3	NA	NA	NA
MW-171S	7/17/02	12-22	324021	NA	NA	<5.0	<10.	<5.	NA	NA	NA
Tier II Residential Cleanup Goals - Groundwater [1]				50	2,000	5.0	100	15[2]	2.0	50	152
Tier II Non-Residential Cleanup Goals - Groundwater [1]				50	7,154	51.1	511	15[2]	6.1	511	511

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000

µg/L = micrograms per liter NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] IDEM VRP Interoffice Memo dated on January 26, 1998

DEEP MONITORING WELL GROUNDWATER ANALYTICAL RESULTS FOR VOCs

Table 8b
Deep Monitoring Well Groundwater Analytical Results for PAHs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
MW-165D	7/18/02	42-47	324109	<1.00	<1.00	<1.00	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.00	<0.20	<2.00	<1.00	<0.20
MW-166D	7/18/02	46-51	324107	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-167D	7/17/02	28-33	324025	<2.27	<2.27	<2.27	<0.10	<0.20	1.77	<0.45	<0.20	<0.20	<0.23	<0.45	<2.27	<0.40	<4.54	<2.27	<0.45
MW-168D	7/18/02	26-31	324112	<1.03	<1.03	<1.03	<0.10	<0.20	<0.20	<0.21	<0.20	<0.20	<0.10	<0.21	<1.03	<0.21	<2.06	<1.03	<0.21
MW-169D	7/17/02	32-37	324020	<1.00	<1.00	<1.00	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	1.63	<1.00	<0.20	<2.00	<1.00	<0.20
MW-170D	7/17/02	34-39	324024	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-171D	7/17/02	44-49	324022	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-200	6/20/01	45-50	296391	<18	<10	<6.6	2.3	0.14	0.58	<0.76	2.3	3.57	0.21	<2.1	<2.1	0.34	<8.0	<6.4	<2.7
MW-200 Dup.	6/20/01	45-50	296392	<18	<10	<6.6	2.25	0.16	1.2	<0.76	0.27	0.37	<0.20	<2.1	<2.1	0.21	<8.0	<6.4	<2.7
MW-200	8/8/02	45-50	325265	<1.00	<1.00	<1.00	0.28	0.5	0.35	1.6	<0.20	2.6	0.39	0.87	<1.00	0.25	<2.00	<1.00	0.67
MW-200 Dup.	8/8/02	45-50	325266	<1.00	<1.00	<1.00	1.8	<0.20	<0.20	0.24	<0.20	0.24	<0.10	0.5	<1.00	<0.20	<2.00	<1.00	0.31
MW-201	6/20/01	36-38	296400	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-201	7/18/02	36-38	324115	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
MW-202	6/21/01	33-35	296406	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-202	7/22/02	33-35	324187	<1.01	<1.01	<1.01	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.01	<0.20	<2.02	<1.01	<0.20
MW-301	6/20/01	45-50	296396	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-301 Dup.	6/20/01	45-50	296397	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-301	7/18/02	45-50	324113	<1.00	<1.00	<1.00	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.00	<0.20	<2.00	<1.00	<0.20
MW-302	6/21/01	45-55	296403	<18	<10	<6.6	<0.20	<0.20	<0.20	<0.76	<0.20	<0.20	<0.20	<2.1	<2.1	<0.20	<8.0	<6.4	<2.7
MW-302	7/22/02	45-55	324186	<1.02	<1.02	<1.02	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<1.02	<0.20	<2.04	<1.02	<0.20
Tier II Residential Cleanup Goals - Groundwater [1]				1,824	6.89[2]	9,120	0.10	0.20	0.20	38.4[2]	0.20	0.20	0.30	243.2	1,216	0.40	1,216	230[3]	912
Tier II Non-Residential Cleanup Goals - Groundwater [1]				6,132	2,040[2]	30,660	10	10	10	613[2]	39.2	391.8	10	817.6	4,088	10	4,088	230[3]	3,066

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal
Detected compound exceeds the VRP Tier II Residential Cleanup Goal
Detected compound is below the VRP Tier II Residential Cleanup Goal

PAHs = Polynuclear Aromatic Hydrocarbons
Samples analyzed using EPA SW-846 Method 8310
µg/L = micrograms per liter
NA = Not Applicable

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

(2) Calculated using surrogate toxicity values and Tier II equations.

(3) Tier II Residential Cleanup Goal under Indiana Voluntary Remediation Program

DEEP MONITORING WELL GROUNDWATER ANALYTICAL RESULTS FOR METALS

Table 8c

Deep Monitoring Well Groundwater Analytical Results for Metals (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Selenium	Total Silver
MW-165D	1/30/02	42-47	312999	NA	NA	<1.0	9.6	10.7	NA	NA	NA
MW-165D	7/18/02	42-47	324109	NA	NA	<5.0	<10.	6	NA	NA	NA
MW-166D	1/31/02	46-51	313000	NA	NA	<1.0	9.1	14.7	NA	NA	NA
MW-166D	7/18/02	46-51	324107	NA	NA	<5.0	12	15.6	NA	NA	NA
MW-167D	1/31/02	28-33	313005	NA	NA	<1.0	6.8	23.5	NA	NA	NA
MW-167D	7/17/02	28-33	324106	NA	NA	<5.0	20	60	NA	NA	NA
MW-168D	1/31/02	26-31	313004	NA	NA	<1.0	8.9	22.6	NA	NA	NA
MW-168D	7/18/02	26-31	324112	NA	NA	<5.0	<10.	6.2	NA	NA	NA
MW-169D	1/30/02	32-37	312996	NA	NA	<1.0	<2.0	1.8	NA	NA	NA
MW-169D	7/17/02	32-37	324020	NA	NA	<5.0	<10.	<5.0	NA	NA	NA
MW-170D	1/31/02	34-39	313001	NA	NA	<1.0	<5.0	4	NA	NA	NA
MW-170D	7/17/02	34-39	324024	NA	NA	<5.0	14	17.1	NA	NA	NA
MW-171D	1/30/02	44-49	312998	NA	NA	<1.0	<5.0	6.3	NA	NA	NA
MW-171D	7/17/02	44-49	324022	NA	NA	<5.0	<10.	<5.0	NA	NA	NA
Tier II Residential Cleanup Goals - Groundwater [1]				50	2,000	5.0	100	15[2]	2.0	50	152
Tier II Non-Residential Cleanup Goals - Groundwater[1]				50	7,154	51.1	511	15[2]	6.1	511	511

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal
Detected compound exceeds the VRP Tier II Residential Cleanup Goal
Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000

µg/L = micrograms per liter NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] IDEM VRP Interoffice Memo dated on January 26, 1998

Table 8c

Deep Monitoring Well Groundwater Analytical Results for Metals (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Selenium	Total Silver
MW-200	11/8/00	45-50	280703	<5.0	37	<5.0	<10.	18	<0.5	<5.0	<5.0
MW-200 Dup.	11/8/00	45-50	280704	<5.0	42	<5.0	<10.	23	<0.5	<5.0	<5.0
MW-200	6/20/01	45-50	296391	NA	NA	<5.0	11	87	NA	NA	NA
MW-200 Dup.	6/20/01	45-50	296392	NA	NA	<5.0	<10.	85	NA	NA	NA
MW-200	7/19/02	45-50	324160	NA	NA	<5.0	<10.	36.6	NA	NA	NA
MW-200 Dup.	7/19/02	45-50	324161	NA	NA	<5.0	<10.	27.8	NA	NA	NA
MW-201	11/8/00	36-38	280705	6	790	<5.0	<10.	11	<0.5	6	<5.0
MW-201	6/20/01	36-38	296400	NA	NA	<5.0	<10.	<5.0	NA	NA	NA
MW-201	7/18/02	36-38	324115	NA	NA	<5.0	<10.	<5.0	NA	NA	NA
MW-202	11/8/00	33-35	280706	9	190	<5.0	<10.	<5.0	<0.5	<5.0	<5.0
MW-202 Dup.	11/8/00	33-35	280707	10	190	<5.0	<10.	<5.0	<0.5	<5.0	<5.0
MW-202	6/21/01	33-35	296406	NA	NA	<5.0	<10.	<5.0	NA	NA	NA
MW-202	7/22/02	33-35	324187	NA	NA	<5.0	<10.	<5.0	NA	NA	NA
Tier II Residential Cleanup Goals - Groundwater [1]				50	2,000	5.0	100	15[2]	2.0	50	152
Tier II Non-Residential Cleanup Goals - Groundwater [1]				50	7,154	51.1	511	15[2]	6.1	511	511

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal
Detected compound exceeds the VRP Tier II Residential Cleanup Goal
Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000

µg/L = micrograms per liter NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] IDEM VRP Interoffice Memo dated on January 26, 1998

Table 8c

Deep Monitoring Well Groundwater Analytical Results for Metals (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Selenium	Total Silver
MW-301	11/8/00	45-50	280708	6	320	62	<10.	8	<0.5	<5.0	<5.0
MW-301 Dup.	11/8/00	45-50	280709	<5.0	300	52	<10.	9	<0.5	5	<5.0
MW-301	6/20/01	45-50	296396	NA	NA	<5.0	<10.	<5.0	NA	NA	NA
MW-301 Dup.	6/20/01	45-50	296397	NA	NA	<5.0	<10.	<5.0	NA	NA	NA
MW-301	7/18/02	45-50	324113	NA	NA	<5.0	<10.	<5.0	NA	NA	NA
MW-302	11/8/00	45-55	280710	<5.0	200	<5.0	<10.	11	<0.5	<5.0	<5.0
MW-302 Dup	11/8/00	45-55	280711	<5.0	200	<5.0	<10.	10	<0.5	<5.0	<5.0
MW-302	6/21/01	45-55	296403	NA	NA	<5.0	<10.	<5.0	NA	NA	NA
MW-302	7/22/02	45-55	324186	NA	NA	<5.0	<10.	8.2	NA	NA	NA
Tier II Residential Cleanup Goals - Groundwater [1]				50	2,000	5.0	100	15[2]	2.0	50	152
Tier II Non-Residential Cleanup Goals - Groundwater [1]				50	7,154	51.1	511	15[2]	6.1	511	511

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000

µg/L = micrograms per liter NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] IDEM VRP Interoffice Memo dated on January 26, 1998

DEEP MONITORING WELL GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Table 8a
Deep Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Trichloroethene	Trichlorofluoro-methane	1,2,3-Trichloro-propane	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl acetate	Vinyl chloride	Xylenes, (Total)
MW-165D	1/30/02	42-47	312999	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	1500	<5.0
MW-165D	7/18/02	42-47	324109	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	973	<1.0
MW-166D	1/31/02	46-51	313000	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	730	<5.0
MW-166D	7/18/02	46-51	324107	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	563	<1.0
MW-167D	1/31/02	28-33	313005	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	390	<5.0
MW-167D	7/17/02	28-33	324025	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	253	<1.0
MW-168D	1/31/02	26-31	313004	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-168D	7/18/02	26-31	324112	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-169D	1/30/02	32-37	312996	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	8.7	<5.0
MW-169D	7/17/02	32-37	324020	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	6.4	<1.0
MW-170D	1/31/02	34-39	313001	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	80	<5.0
MW-170D	7/17/02	34-39	324024	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	66	<1.0
MW-171D	1/30/02	44-49	312998	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-171D	7/17/02	44-49	324022	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-172D	9/4/02	33-38	327654	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-172D Dup.	9/4/02	33-38	327655	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-200	7/17/95	45-50	W5070229-02	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-200	2/5/97	45-50	W7020074-12	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-200	11/23/99	45-50	253804	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-200 Dup	11/23/99	45-50	253814	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-200	2/29/00	45-50	260576	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-200 Dup.	2/29/00	45-50	260569	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-200	11/8/00	45-50	280703	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-200	6/20/01	45-50	296391	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-200 Dup.	6/20/01	45-50	296392	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-200	7/19/02	45-50	324160	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-200 Dup.	7/19/02	45-50	324161	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-201	7/14/95	36-38	W5070191-04	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-201	2/6/97	36-38	W7020074-21	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-201	11/23/99	36-38	253810	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-201	2/29/00	36-38	260580	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-201	11/8/00	36-38	280705	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-201	6/20/01	36-38	296400	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-201	7/18/02	36-38	324115	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-202	7/14/95	33-35	W5070191-05	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-202	2/6/97	33-35	W7020074-22	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-202	11/23/99	33-35	253797	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-202	2/28/00	33-35	260595	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-202	11/8/00	33-35	280706	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-202 Dup.	11/8/00	33-35	280707	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-202	6/21/01	33-35	296406	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-202	7/22/02	33.35	324187	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-301	2/6/97	45-50	W7020074-17	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-301	11/23/99	45-50	253808	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-301	2/29/00	45-50	260578	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-301	11/8/00	45-50	280708	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-301 Dup.	11/8/00	45-50	280709	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-301	6/20/01	45-50	296396	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-301 Dup.	6/20/01	45-50	296397	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-301	7/18/02	45-50	324113	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
MW-302	2/6/97	45-55	W7020074-18	<5.0	NA	NA	NA	NA	<20	<10	<5.0
MW-302	11/23/99	45-55	253795	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
MW-302	2/28/00	45-55	260593	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
MW-302	11/8/00	45-55	280710	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-302	6/21/01	45-55	296403	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<2.0	<5.0
MW-302	7/22/02	45-55	324186	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	3.3	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				5	1,380[2]	NA	13.7[2]	13.7[2]	NA	2	10,000
Tier II Non-Residential Cleanup Goals - Groundwater [1]				260	30,700[2]	NA	5,110[2]	5,110[2]	NA	10	204,400

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

E = result is estimated

NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 8a
Deep Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane
MW-165D	1/30/02	42-47	312999	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-165D	7/18/02	42-47	324109	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-166D	1/31/02	46-51	313000	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-166D	7/18/02	46-51	324107	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-167D	1/31/02	28-33	313005	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-167D	7/17/02	28-33	324025	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-168D	1/31/02	26-31	313004	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-168D	7/18/02	26-31	324112	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-169D	1/30/02	32-37	312996	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-169D	7/17/02	32-37	324020	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-170D	1/31/02	34-39	313001	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-170D	7/17/02	34-39	324024	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-171D	1/30/02	44-49	312998	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-171D	7/17/02	44-49	324022	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-172D	9/4/02	33-38	327654	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-172D Dup.	9/4/02	33-38	327655	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-200	7/17/95	45-50	W5070229-02	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA	<5.0	<5.0
MW-200	2/5/97	45-50	W7020074-12	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA	<5.0	<5.0
MW-200	11/23/99	45-50	253804	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200 Dup	11/23/99	45-50	253814	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	2/29/00	45-50	260576	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200 Dup.	2/29/00	45-50	260569	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	11/8/00	45-50	280703	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	6/20/01	45-50	296391	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200 Dup.	6/20/01	45-50	296392	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	7/19/02	45-50	324160	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200 Dup.	7/19/02	45-50	324161	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	7/14/95	36-38	W5070191-04	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA	<5.0	<5.0
MW-201	2/6/97	36-38	W7020074-21	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA	<5.0	<5.0
MW-201	11/23/99	36-38	253810	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	2/29/00	36-38	260580	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	11/8/00	36-38	280705	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	6/20/01	36-38	296400	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	7/18/02	36-38	324115	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-202	7/14/95	33-35	W5070191-05	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA	<5.0	<5.0
MW-202	2/6/97	33-35	W7020074-22	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA	<5.0	<5.0
MW-202	11/23/99	33-35	253797	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202	2/28/00	33-35	260595	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202	11/8/00	33-35	280706	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202 Dup.	11/8/00	33-35	280707	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202	6/21/01	33-35	296406	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202	7/22/02	33.35	324187	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	2/6/97	45-50	W7020074-17	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA	<5.0	<5.0
MW-301	11/23/99	45-50	253808	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	2/29/00	45-50	260578	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	11/8/00	45-50	280708	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301 Dup.	11/8/00	45-50	280709	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	6/20/01	45-50	296396	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301 Dup.	6/20/01	45-50	296397	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	7/18/02	45-50	324113	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<5.0	<1.0	<1.0
MW-302	2/6/97	45-55	W7020074-18	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	NA	<5.0	<5.0
MW-302	11/23/99	45-55	253795	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-302	2/28/00	45-55	260593	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-302	11/8/00	45-55	280710	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-302	6/21/01	45-55	296403	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
MW-302	7/22/02	45-55	324186	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	5	5	5	NA	1,000	NA	70	200	5
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	110	14.3	56.1	NA	20,440	NA	1,022	9,198	50.2

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

E = result is estimated

NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 8a
Deep Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Iodomethane	Isopropyl-benzene	p-Isopropyl-toluene	Methylene chloride	Methyl-ethyl-ketone (MEK)	Methyl-tert-butyl ether (MTBE)	4-Methyl-2-pentanone (MIBK)	Naphthalene	Paraldehyde	n-Propyl-benzene
MW-165D	1/30/02	42-47	312999	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-165D	7/18/02	42-47	324109	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-166D	1/31/02	46-51	313000	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-166D	7/18/02	46-51	324107	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-167D	1/31/02	28-33	313005	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-167D	7/17/02	28-33	324025	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-168D	1/31/02	26-31	313004	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-168D	7/18/02	26-31	324112	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-169D	1/30/02	32-37	312996	<10	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-169D	7/17/02	32-37	324020	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-170D	1/31/02	34-39	313001	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-170D	7/17/02	34-39	324024	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-171D	1/30/02	44-49	312998	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-171D	7/17/02	44-49	324022	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-172D	9/4/02	33-38	327654	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-172D Dup.	9/4/02	33-38	327655	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-200	7/17/95	45-50	W5070229-02	NA	NA	NA	<5.0	<20	NA	<20	NA	NA	NA
MW-200	2/5/97	45-50	W7020074-12	NA	NA	NA	<5.0	<20	NA	<20	NA	NA	NA
MW-200	11/23/99	45-50	253804	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-200 Dup	11/23/99	45-50	253814	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-200	2/29/00	45-50	260576	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-200 Dup.	2/29/00	45-50	260569	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-200	11/8/00	45-50	280703	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-200	6/20/01	45-50	296391	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-200 Dup.	6/20/01	45-50	296392	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-200	7/19/02	45-50	324160	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-200 Dup.	7/19/02	45-50	324161	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-201	7/14/95	36-38	W5070191-04	NA	NA	NA	<5	<20	NA	<20	NA	NA	NA
MW-201	2/6/97	36-38	W7020074-21	NA	NA	NA	<5.0	<20	NA	<20	NA	NA	NA
MW-201	11/23/99	36-38	253810	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-201	2/29/00	36-38	260580	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-201	11/8/00	36-38	280705	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-201	6/20/01	36-38	296400	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-201	7/18/02	36-38	324115	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-202	7/14/95	33-35	W5070191-05	NA	NA	NA	<5	<20	NA	<20	NA	NA	NA
MW-202	2/6/97	33-35	W7020074-22	NA	NA	NA	<5.0	<20	NA	<20	NA	NA	NA
MW-202	11/23/99	33-35	253797	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-202	2/28/00	33-35	260595	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-202	11/8/00	33-35	280706	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-202 Dup.	11/8/00	33-35	280707	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-202	6/21/01	33-35	296406	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-202	7/22/02	33.35	324187	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-301	2/6/97	45-50	W7020074-17	NA	NA	NA	<5.0	<20	NA	<20	NA	NA	NA
MW-301	11/23/99	45-50	253808	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-301	2/29/00	45-50	260578	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-301	11/8/00	45-50	280708	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-301 Dup.	11/8/00	45-50	280709	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-301	6/20/01	45-50	296396	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-301 Dup.	6/20/01	45-50	296397	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-301	7/18/02	45-50	324113	<5.0	<1.0	<1.0	<5.0	<12.5	<5.0	<12.5	<5.0	NA	<1.0
MW-302	2/6/97	45-55	W7020074-18	NA	NA	NA	<5.0	<20	NA	<20	NA	NA	NA
MW-302	11/23/99	45-55	253795	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-302	2/28/00	45-55	260593	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-302	11/8/00	45-55	280710	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-302	6/21/01	45-55	296403	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
MW-302	7/22/02	45-55	324186	<10.	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	NA	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	689[3]	NA	6.30[2]	917.72	45	1,520	1,216	NA	64[2]
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	10,200[3]	NA	381[2]	5,110	715	5,110	4,088	NA	1,020[2]

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs – Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter
E = result is estimated
NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

Table 8a
Deep Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,3-Dichloro-propane	2,2-Dichloro-propane	1,1-Dichloro-propene	cis-1,3-Dichloro-propene	trans-1,3-Dichloro-propene	Ethyl Acetate	Ethylbenzene	Ethyl methacrylate	2-Hexanone	Hexachloro-butadiene
MW-165D	1/30/02	42-47	312999	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-165D	7/18/02	42-47	324109	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-166D	1/31/02	46-51	313000	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-166D	7/18/02	46-51	324107	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-167D	1/31/02	28-33	313005	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-167D	7/17/02	28-33	324025	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-168D	1/31/02	26-31	313004	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-168D	7/18/02	26-31	324112	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-169D	1/30/02	32-37	312996	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-169D	7/17/02	32-37	324020	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-170D	1/31/02	34-39	313001	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-170D	7/17/02	34-39	324024	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-171D	1/30/02	44-49	312998	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-171D	7/17/02	44-49	324022	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-172D	9/4/02	33-38	327654	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-172D Dup.	9/4/02	33-38	327655	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-200	7/17/95	45-50	W5070229-02	NA	NA	NA	<5.0	<5.0	NA	<5.0	NA	<20	NA
MW-200	2/5/97	45-50	W7020074-12	NA	NA	NA	<5.0	<5.0	NA	<5.0	NA	<20	NA
MW-200	11/23/99	45-50	253804	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-200 Dup	11/23/99	45-50	253814	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-200	2/29/00	45-50	260576	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-200 Dup.	2/29/00	45-50	260569	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-200	11/8/00	45-50	280703	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-200	6/20/01	45-50	296391	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-200 Dup.	6/20/01	45-50	296392	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-200	7/19/02	45-50	324160	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-200 Dup.	7/19/02	45-50	324161	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-201	7/14/95	36-38	W5070191-04	NA	NA	NA	<5.0	<5.0	NA	<5.0	NA	<20	NA
MW-201	2/6/97	36-38	W7020074-21	NA	NA	NA	<5.0	<5.0	NA	<5.0	NA	<20	NA
MW-201	11/23/99	36-38	253810	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-201	2/29/00	36-38	260580	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-201	11/8/00	36-38	280705	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-201	6/20/01	36-38	296400	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-201	7/18/02	36-38	324115	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-202	7/14/95	33-35	W5070191-05	NA	NA	NA	<5.0	<5.0	NA	<5.0	NA	<20	NA
MW-202	2/6/97	33-35	W7020074-22	NA	NA	NA	<5.0	<5.0	NA	<5.0	NA	<20	NA
MW-202	11/23/99	33-35	253797	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-202	2/28/00	33-35	260595	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-202	11/8/00	33-35	280706	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-202 Dup.	11/8/00	33-35	280707	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-202	6/21/01	33-35	296406	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-202	7/22/02	33.35	324187	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-301	2/6/97	45-50	W7020074-17	NA	NA	NA	<5.0	<5.0	NA	<5.0	NA	<20	NA
MW-301	11/23/99	45-50	253808	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-301	2/29/00	45-50	260578	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-301	11/8/00	45-50	280708	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-301 Dup.	11/8/00	45-50	280709	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-301	6/20/01	45-50	296396	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-301 Dup.	6/20/01	45-50	296397	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-301	7/18/02	45-50	324113	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<5.0	<12.5	<5.0
MW-302	2/6/97	45-55	W7020074-18	NA	NA	NA	<5.0	<5.0	NA	<5.0	NA	<20	NA
MW-302	11/23/99	45-55	253795	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-302	2/28/00	45-55	260593	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-302	11/8/00	45-55	280710	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-302	6/21/01	45-55	296403	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
MW-302	7/22/02	45-55	324186	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10.	<50.	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	0.850[2]	NA	NA	NA	NA	700	NA	NA	10
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	28.6[2]	NA	NA	NA	NA	10,220	NA	NA	36.7

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

E = result is estimated

NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 8a
Deep Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	1,4-Dichloro-benzene	Dichloro-difluoro-methane	trans-1,4-Dichloro-2-butene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloro-propane
MW-165D	1/30/02	42-47	312999	<5.0	<10	<50	83	<5.0	7	3300	10	<5.0
MW-165D	7/18/02	42-47	324109	<1.0	<1.0	<5.0	49	<1.0	4.2	2,820	9.6	<1.0
MW-166D	1/31/02	46-51	313000	<5.0	<10	<50	<5.0	<5.0	63	2000	<5.0	<5.0
MW-166D	7/18/02	46-51	324107	<1.0	<1.0	<5.0	<1.0	<1.0	5.1	2,130	3.3	<1.0
MW-167D	1/31/02	28-33	313005	<5.0	<10	<50	<5.0	<5.0	<5.0	5.6	10	<5.0
MW-167D	7/17/02	28-33	324025	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	27.5	12.2	<1.0
MW-168D	1/31/02	26-31	313004	<5.0	<10	<50	<5.0	<5.0	<5.0	18	<5.0	<5.0
MW-168D	7/18/02	26-31	324112	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	21	<1.0	<1.0
MW-169D	1/30/02	32-37	312996	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-169D	7/17/02	32-37	324020	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-170D	1/31/02	34-39	313001	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-170D	7/17/02	34-39	324024	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-171D	1/30/02	44-49	312998	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-171D	7/17/02	44-49	324022	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-172D	9/4/02	33-38	327654	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-172D Dup.	9/4/02	33-38	327655	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-200	7/17/95	45-50	W5070229-02	<10	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	2/5/97	45-50	W7020074-12	<10	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	11/23/99	45-50	253804	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200 Dup	11/23/99	45-50	253814	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	2/29/00	45-50	260576	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200 Dup.	2/29/00	45-50	260569	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	11/8/00	45-50	280703	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	6/20/01	45-50	296391	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200 Dup.	6/20/01	45-50	296392	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	7/19/02	45-50	324160	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200 Dup.	7/19/02	45-50	324161	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	7/14/95	36-38	W5070191-04	<10	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	2/6/97	36-38	W7020074-21	<10	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	11/23/99	36-38	253810	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	2/29/00	36-38	260580	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	11/8/00	36-38	280705	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	6/20/01	36-38	296400	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-201	7/18/02	36-38	324115	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-202	7/14/95	33-35	W5070191-05	<10	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202	2/6/97	33-35	W7020074-22	<10	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202	11/23/99	33-35	253797	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202	2/28/00	33-35	260595	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202	11/8/00	33-35	280706	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202 Dup.	11/8/00	33-35	280707	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202	6/21/01	33-35	296406	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-202	7/22/02	33.35	324187	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	2/6/97	45-50	W7020074-17	<10	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	11/23/99	45-50	253808	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	2/29/00	45-50	260578	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	11/8/00	45-50	280708	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301 Dup.	11/8/00	45-50	280709	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	6/20/01	45-50	296396	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301 Dup.	6/20/01	45-50	296397	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-301	7/18/02	45-50	324113	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-302	2/6/97	45-55	W7020074-18	<10	NA	NA	<5.0	<5.0	<5.0	8.2	<5.0	<5.0
MW-302	11/23/99	45-55	253795	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-302	2/28/00	45-55	260593	<5.0	<10	<50	<5.0	<5.0	<5.0	11	<5.0	<5.0
MW-302	11/8/00	45-55	280710	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-302	6/21/01	45-55	296403	<5.0	<10	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-302	7/22/02	45-55	324186	<5.0	<10	<50	<5.0	<5.0	<5.0	6	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				75	NA	NA	640	5.0	7.0	70	128[2]	NA
Tier II Non-Residential Cleanup Goals - Groundwater [1]				119.2	NA	NA	10,220	31.4	7.0	1,022	2,040[2]	NA

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

E = result is estimated

NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 8a
Deep Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	2-Chloroethyl vinyl ether	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromo-methane	1,2-Dichloro-benzene	1,3-Dichloro-benzene
MW-165D	1/30/02	42-47	312999	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-165D	7/18/02	42-47	324109	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-166D	1/31/02	46-51	313000	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-166D	7/18/02	46-51	324107	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-167D	1/31/02	28-33	313005	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-167D	7/17/02	28-33	324025	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-168D	1/31/02	26-31	313004	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-168D	7/18/02	26-31	324112	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-169D	1/30/02	32-37	312996	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-169D	7/17/02	32-37	324020	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-170D	1/31/02	34-39	313001	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-170D	7/17/02	34-39	324024	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-171D	1/30/02	44-49	312998	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-171D	7/17/02	44-49	324022	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-172D	9/4/02	33-38	327654	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-172D Dup.	9/4/02	33-38	327655	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-200	7/17/95	45-50	W5070229-02	<10	NA	NA	<10	NA	NA	NA	<10	<10
MW-200	2/5/97	45-50	W7020074-12	<10	NA	NA	<10	NA	NA	NA	<10	<10
MW-200	11/23/99	45-50	253804	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-200 Dup	11/23/99	45-50	253814	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-200	2/29/00	45-50	260576	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-200 Dup.	2/29/00	45-50	260569	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-200	11/8/00	45-50	280703	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-200	6/20/01	45-50	296391	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-200 Dup.	6/20/01	45-50	296392	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-200	7/19/02	45-50	324160	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-200 Dup.	7/19/02	45-50	324161	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-201	7/14/95	36-38	W5070191-04	<10	NA	NA	<10	NA	NA	NA	<10	<10
MW-201	2/6/97	36-38	W7020074-21	<10	NA	NA	<10	NA	NA	NA	<10	<10
MW-201	11/23/99	36-38	253810	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-201	2/29/00	36-38	260580	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-201	11/8/00	36-38	280705	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-201	6/20/01	36-38	296400	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-201	7/18/02	36-38	324115	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-202	7/14/95	33-35	W5070191-05	<10	NA	NA	<10	NA	NA	NA	<10	<10
MW-202	2/6/97	33-35	W7020074-22	<10	NA	NA	<10	NA	NA	NA	<10	<10
MW-202	11/23/99	33-35	253797	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-202	2/28/00	33-35	260595	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-202	11/8/00	33-35	280706	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-202 Dup.	11/8/00	33-35	280707	<10.	<5.0	<5.0	<50	<50	<5.0	<10.	<5.0	<5.0
MW-202	6/21/01	33-35	296406	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-202	7/22/02	33.35	324187	<10.	<5.0	<5.0	<50	<50	<5.0	<10.	<5.0	<5.0
MW-301	2/6/97	45-50	W7020074-17	<10	NA	NA	<10	NA	NA	NA	<10	<10
MW-301	11/23/99	45-50	253808	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-301	2/29/00	45-50	260578	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-301	11/8/00	45-50	280708	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-301 Dup.	11/8/00	45-50	280709	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-301	6/20/01	45-50	296396	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-301 Dup.	6/20/01	45-50	296397	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-301	7/18/02	45-50	324113	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
MW-302	2/6/97	45-55	W7020074-18	<10	NA	NA	<10	NA	NA	NA	<10	<10
MW-302	11/23/99	45-55	253795	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-302	2/28/00	45-55	260593	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-302	11/8/00	45-55	280710	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-302	6/21/01	45-55	296403	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
MW-302	7/22/02	45-55	324186	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]				NA	NA	NA	NA	NA	NA	NA	600	600
Tier II Non-Residential Cleanup Goals - Groundwater [1]				NA	NA	NA	NA	NA	NA	NA	9,198	NA

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

E = result is estimated

NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 8a
Deep Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromo-methane	Chloroethane	Chloroform
MW-165D	1/30/02	42-47	312999	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-165D	7/18/02	42-47	324109	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-166D	1/31/02	46-51	313000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-166D	7/18/02	46-51	324107	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-167D	1/31/02	28-33	313005	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-167D	7/17/02	28-33	324025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-168D	1/31/02	26-31	313004	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-168D	7/18/02	26-31	324112	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-169D	1/30/02	32-37	312996	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-169D	7/17/02	32-37	324020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-170D	1/31/02	34-39	313001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<20
MW-170D	7/17/02	34-39	324024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-171D	1/30/02	44-49	312998	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-171D	7/17/02	44-49	324022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-172D	9/4/02	33-38	327654	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-172D Dup.	9/4/02	33-38	327655	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-200	7/17/95	45-50	W5070229-02	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-200	2/5/97	45-50	W7020074-12	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0
MW-200	11/23/99	45-50	253804	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-200 Dup	11/23/99	45-50	253814	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-200	2/29/00	45-50	260576	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-200 Dup.	2/29/00	45-50	260569	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-200	11/8/00	45-50	280703	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-200	6/20/01	45-50	296391	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-200 Dup.	6/20/01	45-50	296392	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-200	7/19/02	45-50	324160	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-200 Dup.	7/19/02	45-50	324161	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-201	7/14/95	36-38	W5070191-04	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0
MW-201	2/6/97	36-38	W7020074-21	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0
MW-201	11/23/99	36-38	253810	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-201	2/29/00	36-38	260580	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-201	11/8/00	36-38	280705	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-201	6/20/01	36-38	296400	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-201	7/18/02	36-38	324115	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-202	7/14/95	33-35	W5070191-05	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0
MW-202	2/6/97	33-35	W7020074-22	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0
MW-202	11/23/99	33-35	253797	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-202	2/28/00	33-35	260595	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-202	11/8/00	33-35	280706	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-202 Dup.	11/8/00	33-35	280707	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-202	6/21/01	33-35	296406	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-202	7/22/02	33-35	324187	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-301	2/6/97	45-50	W7020074-17	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0
MW-301	11/23/99	45-50	253808	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-301	2/29/00	45-50	260578	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-301	11/8/00	45-50	280708	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-301 Dup.	11/8/00	45-50	280709	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-301	6/20/01	45-50	296396	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-301 Dup.	6/20/01	45-50	296397	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-301	7/18/02	45-50	324113	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
MW-302	2/6/97	45-55	W7020074-18	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	<10	<5.0
MW-302	11/23/99	45-55	253795	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-302	2/28/00	45-55	260593	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-302	11/8/00	45-55	280710	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-302	6/21/01	45-55	296403	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
MW-302	7/22/02	45-55	324186	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<20
Tier II Residential Cleanup Goals - Groundwater [1]				64[2]	64[2]	64[2]	1,060[2]	NA	112[2]	NA	23,161	100
Tier II Non-Residential Cleanup Goals - Groundwater [1]				1,020[2]	1,020[2]	1,020[2]	10,200[2]	NA	2,040[2]	NA	NA	468.9

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is above the VRP Tier II Residential Cleanup Goal but below the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

Samples analyzed using EPA SW-846 Method 8260

µg/L = micrograms per liter

E = result is estimated

NA = Not Applicable

*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 8a
Deep Monitoring Well Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Screen Interval (feet)	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloro-methane	Bromodichloro-methane	Bromoform	Bromomethane
MW-165D	1/30/02	42-47	312999	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-165D	7/18/02	42-47	324109	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-166D	1/31/02	46-51	313000	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-166D	7/18/02	46-51	324107	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-167D	1/31/02	28-33	313005	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-167D	7/17/02	28-33	324025	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-168D	1/31/02	26-31	313004	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-168D	7/18/02	26-31	324112	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-169D	1/30/02	32-37	312996	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-169D	7/17/02	32-37	324020	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-170D	1/31/02	34-39	313001	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-170D	7/17/02	34-39	324024	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-171D	1/30/02	44-49	312998	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-171D	7/17/02	44-49	324022	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-172D	9/4/02	33-38	327654	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-172D Dup.	9/4/02	33-38	327655	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-200	7/17/95	45-50	W5070229-02	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10
MW-200	2/5/97	45-50	W7020074-12	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10
MW-200	11/23/99	45-50	253804	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-200 Dup	11/23/99	45-50	253814	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-200	2/29/00	45-50	260576	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-200 Dup.	2/29/00	45-50	260569	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-200	11/8/00	45-50	280703	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-200	6/20/01	45-50	296391	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-200 Dup.	6/20/01	45-50	296392	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-200	7/19/02	45-50	324160	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-200 Dup.	7/19/02	45-50	324161	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-201	7/14/95	36-38	W5070191-04	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10
MW-201	2/6/97	36-38	W7020074-21	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10
MW-201	11/23/99	36-38	253810	97	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-201	2/29/00	36-38	260580	100	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-201	11/8/00	36-38	280705	110	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-201	6/20/01	36-38	296400	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-201	7/18/02	36-38	324115	43.6	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-202	7/14/95	33-35	W5070191-05	36	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10
MW-202	2/6/97	33-35	W7020074-22	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10
MW-202	11/23/99	33-35	253797	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-202	2/28/00	33-35	260595	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-202	11/8/00	33-35	280706	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-202 Dup.	11/8/00	33-35	280707	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-202	6/21/01	33-35	296406	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-202	7/22/02	33-35	324187	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-301	2/6/97	45-50	W7020074-17	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10
MW-301	11/23/99	45-50	253808	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-301	2/29/00	45-50	260578	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-301	11/8/00	45-50	280708	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-301 Dup	11/8/00	45-50	280709	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-301	6/20/01	45-50	296396	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-301 Dup.	6/20/01	45-50	296397	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-301	7/18/02	45-50	324113	<20.0	<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
MW-302	2/6/97	45-55	W7020074-18	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10
MW-302	11/23/99	45-55	253795	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-302	2/28/00	45-55	260593	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-302	11/8/00	45-55	280710	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-302	6/21/01	45-55	296403	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
MW-302	7/22/02	45-55	324186	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.
Tier II Residential Cleanup Goals - Groundwater [1]				3,040	NA	NA	5.0	NA	NA	0.289[2]	NA	NA
Tier II Non-Residential Cleanup Goals - Groundwater [1]				10,220	NA	NA	98.6	NA	NA	46.1[2]	NA	NA

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
µg/L = micrograms per liter
E = result is estimated
NA = Not Applicable
*cis-1,2-Dichloroethylene and trans-1,2-Dichloroethene results are combined
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.

SEDIMENT ANALYTICAL RESULTS FOR VOCs

Table 9
Sediment Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane (Methyl Bromide)
STA-SED	3/2/00	260563	<0.10	<0.25	<0.25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010
STB-SED	3/2/00	260564	<0.10	<0.25	<0.25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010
STC-SED	3/2/00	260565	<0.10	<0.25	<0.25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010
STD-SED	3/2/00	260566	<0.10	<0.25	<0.25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010
STE-SED	3/2/00	260567	<0.10	<0.25	<0.25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010
Sediment Screening Levels			NA	NA	NA	0.057[1]	NA	NA	NA	NA	NA

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram
[1] U.S. EPA ECOTOX Thresholds 1996
[2] U.S. EPA Region 5 RCRA EDQLs 1999

Table 9
Sediment Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane (Methyl Chloride)
STA-SED	3/2/00	260563	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.020	<0.010
STB-SED	3/2/00	260564	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.020	<0.010
STC-SED	3/2/00	260565	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.020	<0.010
STD-SED	3/2/00	260566	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.020	<0.010
STE-SED	3/2/00	260567	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.020	<0.010
Sediment Screening Levels			NA	NA	NA	0.134 [2]	NA	0.82 [1]	NA	NA	NA	NA

VOCs = Volatile Organic Compounds
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Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
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KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	2-Chlortoluene	4-Chlorotoluene	2-Chloroethyl vinyl ether	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	Dibromomethane (Methylene Bromide)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
STA-SED	3/2/00	260563	<0.005	<0.005	<0.050	<0.010	<0.005	<0.010	<0.005	<0.005	<0.005	<0.010
STB-SED	3/2/00	260564	<0.005	<0.005	<0.050	<0.010	<0.005	<0.010	<0.005	<0.005	<0.005	<0.010
STC-SED	3/2/00	260565	<0.005	<0.005	<0.050	<0.010	<0.005	<0.010	<0.005	<0.005	<0.005	<0.010
STD-SED	3/2/00	260566	<0.005	<0.005	<0.050	<0.010	<0.005	<0.010	<0.005	<0.005	<0.005	<0.010
STE-SED	3/2/00	260567	<0.005	<0.005	<0.050	<0.010	<0.005	<0.010	<0.005	<0.005	<0.005	<0.010
Sediment Screening Levels			NA	NA	NA	NA	NA	NA	0.34[1]	1.7[1]	0.35[1]	NA

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
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Table 9
Sediment Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	trans-1,4-Dichloro-2-butene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropane
STA-SED	3/2/00	260563	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
STB-SED	3/2/00	260564	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
STC-SED	3/2/00	260565	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
STD-SED	3/2/00	260566	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
STE-SED	3/2/00	260567	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sediment Screening Levels			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram.
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Table 9
Sediment Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
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Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Ethyl methacrylate	2-Hexanone	Hexachlorobutadiene	Iodomethane	Isopropylbenzene	p-Isopropyltoluene	Methylene chloride
STA-SED	3/2/00	260563	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005	<0.010	<0.005	<0.005	<0.025
STB-SED	3/2/00	260564	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005	<0.010	<0.005	<0.005	<0.025
STC-SED	3/2/00	260565	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005	<0.010	<0.005	<0.005	<0.025
STD-SED	3/2/00	260566	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005	<0.010	<0.005	<0.005	<0.025
STE-SED	3/2/00	260567	<0.005	<0.005	<0.005	<0.010	<0.050	<0.005	<0.010	<0.005	<0.005	<0.025
Sediment Screening Levels			NA	NA	3.6[1]	NA	NA	NA	NA	NA	NA	1.26[2]

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram
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Table 9
Sediment Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
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Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	Methyl Ethyl Ketone	Methyl(tert) butyl ether (MTBE)	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethylene	Toluene
STA-SED	3/2/00	260563	<0.050	<0.010	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
STB-SED	3/2/00	260564	<0.050	<0.010	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
STC-SED	3/2/00	260565	<0.050	<0.010	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
STD-SED	3/2/00	260566	<0.050	<0.010	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
STE-SED	3/2/00	260567	<0.050	<0.010	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sediment Screening Levels			NA	NA	NA	0.48[1]	NA	NA	NA	0.94[1]	0.53[1]	0.67[1]

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram
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Table 9
Sediment Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethylene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate
STA-SED	3/2/00	260563	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010
STB-SED	3/2/00	260564	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010
STC-SED	3/2/00	260565	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010
STD-SED	3/2/00	260566	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010
STE-SED	3/2/00	260567	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010
Sediment Screening Levels			NA	9.2[1]	0.17[1]	NA	1.6[1]	NA	NA	NA	NA	NA

VOCs = Volatile Organic Compounds
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Table 9
Sediment Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	Vinyl chloride	Xylenes, Total
STA-SED	3/2/00	260563	<0.010	<0.005
STB-SED	3/2/00	260564	<0.010	<0.005
STC-SED	3/2/00	260565	<0.010	<0.005
STD-SED	3/2/00	260566	<0.010	<0.005
STE-SED	3/2/00	260567	<0.010	<0.005
Sediment Screening Levels			NA	0.025[1]

VOCs = Volatile Organic Compounds
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram
[1] U.S. EPA ECOTOX Thresholds 1996
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SURFACE WATER ANALYTICAL RESULTS FOR VOCs

Table 10
Surface Water Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane
ST-1	10/4/1996	NA	W6100112-01	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA	NA	NA	<5.0	<5.0	<5.0	<5.0
ST-1	2/10/1997	NA	W7020149-02	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA	NA	NA	<5.0	<5.0	<5.0	<5.0
ST-2	10/4/1996	NA	W6100112-02	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA	NA	NA	<5.0	<5.0	<5.0	<5.0
ST-2	2/10/1997	NA	W7020149-03	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA	NA	NA	<5.0	<5.0	<5.0	<5.0
ST-2 Dup.	2/10/1997	NA	W7020149-04	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA	NA	NA	<5.0	<5.0	<5.0	<5.0
ST-3	10/4/1996	NA	W6100112-03	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA	NA	NA	<5.0	<5.0	<5.0	<5.0
ST-3	2/10/1997	NA	W7020149-01	<20	NA	NA	<5.0	NA	NA	<5.0	<5.0	<10	NA	NA	NA	<5.0	<5.0	<5.0	<5.0
STA-SW	3/2/2000	NA	260554	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STB-SW	3/2/2000	NA	260556	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STC-SW	3/2/2000	NA	260558	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STD-SW	3/2/2000	NA	260560	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STE-SW	3/2/2000	NA	260562	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Surface Water Screening Levels				NA	2 [1]	2,600[1]	46[2]	NA	NA	11,000[1]	NA	NA	NA	NA	NA	NA	35,200[1]	130[2]	11,000[1]

VOCs = Volatile Organic Compounds
µg/L = micrograms per liter NA = Not Applicable
[1] NOAA SQRTs 1999
[2] U.S. EPA ECOTOX Thresholds 1996

Table 10
Surface Water Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	2-Chloroethyl vinyl ether	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	trans-1,4-Dichloro-2-butene	1,1-Dichloroethane
ST-1	10/4/1996	NA	W6100112-01	<5.0	<5.0	<10	NA	NA	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0
ST-1	2/10/1997	NA	W7020149-02	<5.0	<5.0	<10	NA	NA	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0
ST-2	10/4/1996	NA	W6100112-02	<5.0	<5.0	<10	NA	NA	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0
ST-2	2/10/1997	NA	W7020149-03	<5.0	<5.0	<10	NA	NA	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0
ST-2 Dup.	2/10/1997	NA	W7020149-04	<5.0	<5.0	<10	NA	NA	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0
ST-3	10/4/1996	NA	W6100112-03	<5.0	<5.0	<10	NA	NA	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0
ST-3	2/10/1997	NA	W7020149-01	<5.0	<5.0	<10	NA	NA	<10	NA	NA	NA	<10	<10	<10	NA	NA	<5.0
STA-SW	3/2/2000	NA	260554	<10.	<20	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0
STB-SW	3/2/2000	NA	260556	<10.	<20	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0
STC-SW	3/2/2000	NA	260558	<10.	<20	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0
STD-SW	3/2/2000	NA	260560	<10.	<20	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0
STE-SW	3/2/2000	NA	260562	<10.	<20	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0
Surface Water Screening Levels				NA	28,900[1]	NA	NA	NA	NA	NA	NA	11,000[1]	763[1]	NA	763[1]	11,000[1]	NA	47[2]

VOCs = Volatile Organic Compounds
µg/L = micrograms per liter NA = Not Applicable
[1] NOAA SQRTs 1999
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Surface Water Analytical Results for VOCs (ug/L)
Former General Motors Corporation
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Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Ethyl methacrylate	2-Hexanone	Hexachlorobutadiene	Iodomethane
ST-1	10/4/1996	NA	W6100112-01	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	<5.0	NA	<20	NA	NA
ST-1	2/10/1997	NA	W7020149-02	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	<5.0	NA	<20	NA	NA
ST-2	10/4/1996	NA	W6100112-02	<5.0	<5.0	17	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	<5.0	NA	<20	NA	NA
ST-2	2/10/1997	NA	W7020149-03	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	<5.0	NA	<20	NA	NA
ST-2 Dup.	2/10/1997	NA	W7020149-04	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	<5.0	NA	<20	NA	NA
ST-3	10/4/1996	NA	W6100112-03	<5.0	<5.0	14	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	<5.0	NA	<20	NA	NA
ST-3	2/10/1997	NA	W7020149-01	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	<5.0	NA	<20	NA	NA
STA-SW	3/2/2000	NA	260554	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<50.	<5.0	<10
STB-SW	3/2/2000	NA	260556	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<50.	<5.0	<10
STC-SW	3/2/2000	NA	260558	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<50.	<5.0	<10
STD-SW	3/2/2000	NA	260560	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<50.	<5.0	<10
STE-SW	3/2/2000	NA	260562	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<50.	<5.0	<10
Surface Water Screening Levels				20,000[1]	20,000[1]	1,600[1]	11,600[1]	NA	NA	NA	244[1]	244[1]	NA	290[2]	NA	NA	NA	NA

VOCs = Volatile Organic Compounds
µg/L = micrograms per liter NA = Not Applicable
[1] NOAA SQRTs 1999
[2] U.S. EPA ECOTOX Thresholds 1996

Table 10
Surface Water Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	Isopropylbenzene	p-Isopropyltoluene	Methylene chloride	Methyl-ethyl-ketone (MEK)	Methyl-tert-butyl ether (MTBE)	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene
ST-1	10/4/1996	NA	W6100112-01	NA	NA	<5.0	<20	NA	<20	NA	NA	<5.0	NA	<5.0	<5.0	<5.0	NA	NA
ST-1	2/10/1997	NA	W7020149-02	NA	NA	<5.0	<20	NA	<20	NA	NA	<5.0	NA	<5.0	<5.0	<5.0	NA	NA
ST-2	10/4/1996	NA	W6100112-02	NA	NA	<5.0	<20	NA	<20	NA	NA	<5.0	NA	<5.0	<5.0	<5.0	NA	NA
ST-2	2/10/1997	NA	W7020149-03	NA	NA	<5.0	<20	NA	<20	NA	NA	<5.0	NA	<5.0	<5.0	<5.0	NA	NA
ST-2 Dup.	2/10/1997	NA	W7020149-04	NA	NA	<5.0	<20	NA	<20	NA	NA	<5.0	NA	<5.0	<5.0	<5.0	NA	NA
ST-3	10/4/1996	NA	W6100112-03	NA	NA	<5.0	<20	NA	<20	NA	NA	<5.0	NA	<5.0	<5.0	<5.0	NA	NA
ST-3	2/10/1997	NA	W7020149-01	NA	NA	<5.0	<20	NA	<20	NA	NA	<5.0	NA	<5.0	<5.0	<5.0	NA	NA
STA-SW	3/2/2000	NA	260554	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STB-SW	3/2/2000	NA	260556	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STC-SW	3/2/2000	NA	260558	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STD-SW	3/2/2000	NA	260560	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STE-SW	3/2/2000	NA	260562	<5.0	<5.0	<10.	<50.	<10.	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Surface Water Screening Levels				NA	NA	11,000[1]	NA	NA	NA	NA	NA	NA	NA	420[2]	120[2]	130[2]	NA	110[2]

VOCs = Volatile Organic Compounds
µg/L = micrograms per liter NA = Not Applicable
[1] NOAA SQRTs 1999
[2] U.S. EPA ECOTOX Thresholds 1996

Table 10
Surface Water Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sample Depth (feet)	Lab Sample No.	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	Vinyl chloride	Xylenes, (Total)
ST-1	10/4/1996	NA	W6100112-01	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
ST-1	2/10/1997	NA	W7020149-02	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
ST-2	10/4/1996	NA	W6100112-02	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
ST-2	2/10/1997	NA	W7020149-03	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
ST-2 Dup.	2/10/1997	NA	W7020149-04	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
ST-3	10/4/1996	NA	W6100112-03	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
ST-3	2/10/1997	NA	W7020149-01	<5.0	<5.0	<5.0	NA	NA	NA	NA	<20	<10	<5.0
STA-SW	3/2/2000	NA	260554	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STB-SW	3/2/2000	NA	260556	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STC-SW	3/2/2000	NA	260558	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STD-SW	3/2/2000	NA	260560	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STE-SW	3/2/2000	NA	260562	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
Surface Water Screening Levels				62[2]	9,400[1]	350[2]	11,000[1]	NA	NA	NA	NA	NA	1.8[2]

VOCs = Volatile Organic Compounds
µg/L = micrograms per liter NA = Not Applicable
[1] NOAA SQRTs 1999
[2] U.S. EPA ECOTOX Thresholds 1996

SEDIMENT PORE GROUNDWATER ANALYTICAL RESULTS FOR VOCs

Table 11
Sediment Pore Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
STA-GW	3/2/00	260553	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STB-GW	3/2/00	260555	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STC-GW	3/2/00	260557	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STD-GW	3/2/00	260559	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STE-GW	3/2/00	260562	<50	<250	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]			3,040	NA	NA	5.0	NA	NA	0.289 [2]	NA	NA	64 [2]	64 [2]	NA	1,060 [2]	NA	NA

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

µg/L = micrograms per liter NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 11
Sediment Pore Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	2-Chloroethyl vinyl ether	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	trans-1,4-Dichloro-2-butene	1,1-Dichloroethane
STA-GW	3/2/00	260553	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0
STB-GW	3/2/00	260555	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0
STC-GW	3/2/00	260557	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0
STD-GW	3/2/00	260559	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0
STE-GW	3/2/00	260562	<5.0	<10.	<20	<10.	<5.0	<5.0	<50.	<50.	<5.0	<10.	<5.0	<5.0	<5.0	<10	<50	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]			NA	23,161	100	NA	NA	NA	NA	NA	NA	NA	600	600	75	NA	NA	640

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

µg/L = micrograms per liter NA = Not Applicable

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

(2) Calculated using surrogate toxicity values and Tier II equations

Table 11
Sediment Pore Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Ethyl methacrylate	2-Hexanone	Hexachlorobutadiene	Iodomethane	Isopropylbenzene
STA-GW	3/2/00	260553	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<50.	<5.0	<10.	<5.0
STB-GW	3/2/00	260555	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<50.	<5.0	<10.	<5.0
STC-GW	3/2/00	260557	<5.0	<5.0	6.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<50.	<5.0	<10.	<5.0
STD-GW	3/2/00	260559	<5.0	<5.0	9.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<50.	<5.0	<10.	<5.0
STE-GW	3/2/00	260562	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<50.	<5.0	<10.	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]			5.0	7.0	70	128[2]	NA	NA	NA	NA	NA	NA	700	NA	NA	10	NA	690[2]

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

µg/L = micrograms per liter NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 11
Sediment Pore Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	p-Isopropyltoluene	Methylene chloride	Methyl-ethyl-ketone (MEK)	Methyl-tert-butyl ether (MTBE)	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane
STA-GW	3/2/00	260553	<5.0	<10	<50.	<10.	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STB-GW	3/2/00	260555	<5.0	<10	<50.	<10.	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STC-GW	3/2/00	260557	<5.0	<10	63	<10.	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STD-GW	3/2/00	260559	<5.0	<10	<50.	<10.	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
STE-GW	3/2/00	260562	<5.0	<10	<50.	<10.	<50.	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]			NA	6.31[2]	917.72	45	1,520	1,216	64[2]	NA	5	5	5	1,000	NA	70	200	5

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

µg/L = micrograms per liter NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

Table 11
Sediment Pore Groundwater Analytical Results for VOCs (ug/L)
Former General Motors Corporation
Allison gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Lab Sample No.	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	Vinyl chloride	Xylenes, (Total)
STA-GW	3/2/00	260553	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STB-GW	3/2/00	260555	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STC-GW	3/2/00	260557	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STD-GW	3/2/00	260559	<5.0	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
STE-GW	3/2/00	260562	[redacted]	<5.0	<5.0	<5.0	<5.0	<10.	<5.0	<5.0
Tier II Residential Cleanup Goals - Groundwater [1]			5	1,380[2]	NA	13.7[2]	13.7[2]	NA	2	10,000

[redacted] Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

[redacted] Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

µg/L = micrograms per liter NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

EXCAVATION CONFIRMATION SURFACE SOIL ANALYTICAL RESULTS FOR VOCs

Table 12a
Excavation Confirmation Surface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane (Methyl Bromide)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane (Methyl Chloride)	2-Chlortoluene	4-Chlorotoluene	2-Chloroethyl vinyl ether
A1 Sidewall 1 Surface	5/1/01	1.5	291846	<0.100	<0.520	<0.260	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.0052	<0.0052	<0.0052	<0.100	<0.0052	<0.0052	<0.0052	<0.010	<0.021	<0.010	<0.0052	<0.0052	ND
A1 Sidewall 2 Surface	5/1/01	1.5	291849	<0.110	<0.570	<0.280	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.110	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	ND
A1 Sidewall 3 Surface	5/1/01	1.5	291851	<0.100	<0.520	<0.260	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.0052	<0.0052	<0.0052	<0.100	<0.0052	<0.0052	<0.0052	<0.010	<0.021	<0.010	<0.0052	<0.0052	ND
A1 Sidewall 4 Surface	5/1/01	1.5	291853	<0.110	<0.530	<0.260	<0.0053	<0.095	<0.0053	<0.0053	<0.0053	<0.011	<0.095	<0.095	<0.095	<0.110	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.095	<0.095	ND
A1 Sidewall 5 Surface	5/4/01	0-2	292259	<0.100	<0.250	<0.250	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.020	<0.010	<0.0051	<0.0051	<0.051
A2 Sidewall 1 Surface	5/9/01	0-2	292402	<0.12	<0.6	<0.3	<0.006	<0.006	<0.006	<0.006	<0.006	<0.012	<0.006	<0.006	<0.006	<0.12	<0.006	<0.006	<0.006	<0.012	<0.024	<0.012	<0.006	<0.006	ND
A2 Sidewall 2 Surface	5/9/01	0-2	292404	<0.11	<0.57	<0.28	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.11	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	ND
A2 Sidewall 3 Surface	5/9/01	0-2	292406	<0.11	<0.57	<0.29	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.11	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	ND
A2 Sidewall 4 Surface	5/9/01	0-2	292411	<0.12	<0.58	<0.29	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.0058	<0.0053	<0.0058	<0.12	<0.0058	<0.0058	<0.0058	<0.012	<0.023	<0.012	<0.0058	<0.0058	ND
A2 Sidewall 5 Surface	5/10/01	0-2	292569	<0.120	<0.290	<0.290	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.024	<0.012	<0.0059	<0.0059	<0.059
A2 Sidewall 6 Surface	5/10/01	0-2	292571	<0.110	<0.280	<0.280	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	<0.057
A2 Sidewall 7 Surface	5/10/01	0-2	292573	<0.110	<0.280	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	<0.056
A3 Sidewall 1 Surface	4/10/01	0-2	290206	<0.109	<0.272	<0.272	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A3 Sidewall 2 Surface	4/10/01	0-2	290208	<0.108	<0.269	<0.269	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A3 Sidewall 3 Surface	4/10/01	0-2	290211	<0.110	<0.274	<0.274	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	<0.055
A3 Sidewall 4 Surface	4/23/01	0-2	291216	<0.107	<0.268	<0.268	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.021	<0.011	<0.0054	<0.0054	<0.054
A3 Sidewall 5 Surface	4/25/01	1	291422	<0.111	<0.556	<0.278	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.111	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	ND
A3 Sidewall 7 Surface	4/25/01	1	291424	<0.110	<0.551	<0.275	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.110	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	ND
A3 Sidewall 8 Surface	5/4/01	0-2	292257	<0.100	<0.250	<0.250	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.020	<0.010	<0.0051	<0.0051	<0.051
A3 Sidewall 9 Surface	5/4/01	0-2	292263	<0.370	<0.910	<0.910	<0.018	<0.018	<0.018	<0.018	<0.018	<0.036	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.036	<0.073	<0.036	<0.018	<0.018	<0.18
A3 Sidewall 10 Surface	5/4/01	0-2	292265	<0.110	<0.280	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	<0.056
A4 Sidewall 1 Surface	5/4/01	0-2	292247	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A4 Sidewall 2 Surface	5/4/01	0-2	292252	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A5 Sidewall 1 Surface	5/4/01	0-2	292240	<0.110	<0.280	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	<0.056
A5 Sidewall 2 Surface	5/4/01	0-2	292243	<0.110	<0.280	<0.280	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	<0.057
A5 Sidewall 3 Surface	5/4/01	0-2	292245	<0.110	<0.260	<0.260	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	<0.053
A6 Sidewall 1 Surface	4/25/01	1	291426	<0.109	<0.545	<0.272	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.109	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	ND
A6 Sidewall 1a Surface	5/22/01	0-2	293507	<0.110	<0.280	<0.280	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	<0.057
A6 Sidewall 2 Surface	5/1/01	1.5	291856	<0.110	<0.570	<0.280	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.110	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	ND
A6 Sidewall 3 Surface	4/25/01	1	291432	<0.107	<0.536	<0.268	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.107	<0.0054	<0.0054	<0.0054	<0.011	<0.021	<0.011	<0.0054	<0.0054	ND
A6 Sidewall 3a Surface	5/22/01	1	293503	<0.110	<0.280	<0.280	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	<0.057
A7 Floor 1 Surface	5/1/01	1.5	291857	<0.110	<0.560	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.110	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	ND
A7 Floor 1 Surface Dup.	5/1/01	0-2	291861	<0.110	<0.560	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.110	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	ND
A7 Sidewall 1 Surface	5/1/01	1.5	291858	<0.110	<0.530	<0.270	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.110	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	ND
A7 Sidewall 2 Surface	5/1/01	1.5	291859	<0.110	<0.530	<0.270	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.110	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	ND
A7 Sidewall 3 Surface	5/1/01	1.5	291863	<0.110	<0.540	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.110	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	ND
A8 Sidewall 1 Surface	4/10/01	0-2	290214	<0.118	<0.296	<0.296	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.024	<0.012	<0.0059	<0.0059	<0.059
A8 Sidewall 2 Surface	4/10/01	0-2	290217	<0.12	<0.300	<0.300	<0.006	<0.006	<0.006	<0.006	<0.006	<0.012	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.012	<0.024	<0.012	<0.006	<0.005	<0.060
A8 Sidewall 3 Surface	5/1/01	1.5	291864	<0.110	<0.550	<0.270	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.110	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	ND
A8 Sidewall 4 Surface	5/1/01	1.5	291865	<0.110	<0.540	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.110	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	ND
Tier II Residential Cleanup Goals Surface Soil[1]				1,000	NA	NA	22.07	NA	NA	10.3[2]	NA	NA	1000[2]	1,000[2]	1,000[2]	1,000[2]	NA	1,000[2]	NA	NA	104.92	NA	NA	NA	NA
Tier II Non-Residential Cleanup Goals Surface Soil[1]				1,000	NA	NA	16.63	NA	NA	101[2]	NA	NA	1,000[2]	1,000[2]	1,000[2]	1,000[2]	NA	1,000[2]	NA	1,000	5.28	NA	NA	NA	NA

[redacted] exceeds the Tier II Non-Residential Cleanup Goal

[redacted] exceeds the Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
mg/kg = milligrams per kilogram
E = result is estimated NA = Not Applicable
(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
(2) Calculated using surrogate toxicity values and Tier II equations.
(3) Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 12a
Excavation Confirmation Surface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	Dibromomethane (Methylene Bromide)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	trans-1,4-Dichloro-2-butene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Trichloroethylene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Ethyl methacrylate	2-Hexanone	Hexachlorobutadiene
A1 Sidewall 1 Surface	5/1/01	1.5	291846	<0.100	<0.0052	<0.010	<0.0052	<0.0052	<0.0052	<0.052	<0.100	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<(.0052	<0.0052	<0.052	<0.052	<0.0052
A1 Sidewall 2 Surface	5/1/01	1.5	291849	<0.110	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.057	<0.110	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	[redacted]	<0.0057	<(.0057	<0.0057	<0.057	<0.057	<0.0057
A1 Sidewall 3 Surface	5/1/01	1.5	291851	<0.100	<0.0052	<0.010	<0.0052	<0.0052	<0.0052	<0.052	<0.100	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<(.0052	<0.0052	<0.052	<0.052	<0.0052
A1 Sidewall 4 Surface	5/1/01	1.5	291853	<1.9	<0.0053	<0.011	<0.095	<0.095	<0.095	<0.053	<0.110	<0.0053	<0.0053	<0.0053	[redacted]	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<(.0053	<0.0053	<0.053	<0.053	<0.095
A1 Sidewall 5 Surface	5/4/01	0-2	292259	<0.010	<0.0051	<0.010	<0.0051	<0.0051	<0.0051	<0.010	<0.051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<(.0051	<0.0051	<0.051	<0.051	<0.0051
A2 Sidewall 1 Surface	5/9/01	0-2	292402	<0.120	<0.006	<0.012	<0.006	<0.006	<0.006	<0.06	ND	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<(.006	<0.006	<0.06	<0.06	<0.006
A2 Sidewall 2 Surface	5/9/01	0-2	292404	<0.11	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.057	ND	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<(.0057	<0.0057	<0.057	<0.057	<0.0057
A2 Sidewall 3 Surface	5/9/01	0-2	292406	<0.1	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.057	ND	<0.0057	<0.0057	<0.0057	[redacted]	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<(.0057	<0.0057	<0.057	<0.057	<0.0057
A2 Sidewall 4 Surface	5/9/01	0-2	292411	<0.12	<0.0058	<0.012	<0.0058	<0.0058	<0.0058	<0.058	ND	<0.0058	<0.0058	<0.0058	[redacted]	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<(.0058	<0.0058	<0.058	<0.058	<0.0058
A2 Sidewall 5 Surface	5/10/01	0-2	292569	<0.0.2	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	[redacted]	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<(.0059	<0.0059	<0.059	<0.059	<0.0059
A2 Sidewall 6 Surface	5/10/01	0-2	292571	<0.0.1	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<(.0057	<0.0057	<0.011	<0.057	<0.0057
A2 Sidewall 7 Surface	5/10/01	0-2	292573	<0.0.1	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<(.0056	<0.0056	<0.011	<0.056	<0.0056
A3 Sidewall 1 Surface	4/10/01	0-2	290206	<0.0.1	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<(.0054	<0.0054	<0.011	<0.054	<0.0054
A3 Sidewall 2 Surface	4/10/01	0-2	290208	<0.0.1	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<(.0054	<0.0054	<0.011	<0.054	<0.0054
A3 Sidewall 3 Surface	4/10/01	0-2	290211	<0.0.1	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<(.0055	<0.0055	<0.011	<0.055	<0.0055
A3 Sidewall 4 Surface	4/23/01	0-2	291216	<0.0.1	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<(.0054	<0.0054	<0.011	<0.054	<0.0054
A3 Sidewall 6 Surface	4/25/01	1	291422	<0.0.1	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.056	ND	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<(.0056	<0.0056	<0.056	<0.056	<0.0056
A3 Sidewall 7 Surface	4/25/01	1	291424	<0.0.1	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.055	ND	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<(.0055	<0.0055	<0.055	<0.055	<0.0055
A3 Sidewall 8 Surface	5/4/01	0-2	292257	<0.0.0	<0.0051	<0.010	<0.0051	<0.0051	<0.0051	<0.010	<0.051	<0.0051	<0.005[illegible]	<0.0051	[redacted]	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<(.0051	<0.0051	<0.051	<0.010	<0.0051
A3 Sidewall 9 Surface	5/4/01	0-2	292263	<0.036	<0.018	<0.336	<0.018	<0.018	<0.018	<0.036	<0.180	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<(.018	<0.018	<0.036	<0.180	<0.018
A3 Sidewall 10 Surface	5/4/01	0-2	292265	<0.0.1	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<(.0056	<0.0056	<0.011	<0.056	<0.0056
A4 Sidewall 1 Surface	5/4/01	0-2	292247	<0.0.1	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<(.0054	<0.0054	<0.011	<0.054	<0.0054
A4 Sidewall 2 Surface	5/4/01	0-2	292252	<0.0.1	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<(.0054	<0.0054	<0.011	<0.054	<0.0054
A5 Sidewall 1 Surface	5/4/01	0-2	292240	<0.0.1	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	[redacted]	[redacted]	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<(.0056	<0.0056	<0.011	<0.056	<0.0056
A5 Sidewall 2 Surface	5/4/01	0-2	292243	<0.0.1	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<(.0057	<0.0057	<0.011	<0.057	<0.0057
A5 Sidewall 3 Surface	5/4/01	0-2	292245	<0.0.1	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<(.0053	<0.0053	<0.011	<0.053	<0.0053
A6 Sidewall 1 Surface	4/25/01	1	291426	<0.0.1	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.054	ND	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<(.0054	<0.0054	<0.054	<0.054	<0.0054
A6 Sidewall 1a Surface	5/22/01	0-2	293507	<0.0.1	<0.0057	<0.011	<0.057	<0.0057	<0.0057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	0.0091	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<(.0057	<0.0057	<0.011	<0.057	<0.0057
A6 Sidewall 2 Surface	5/1/01	1.5	291856	<0.110	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.057	<0.110	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<(.0057	<0.0057	<0.057	<0.057	<0.0057
A6 Sidewall 3 Surface	4/25/01	1	291432	<0.0.1	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.054	ND	<0.0054	<0.0054	<0.0054	[redacted]	[redacted]	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<(.0054	<0.0054	<0.054	<0.054	<0.0054
A6 Sidewall 3a Surface	5/22/01	1	293503	<0.0.1	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<(.0057	<0.0057	<0.011	<0.057	<0.0057
A7 Floor 1 Surface	5/1/01	1.5	291857	<0.110	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.056	<0.110	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<(.0056	<0.0056	<0.056	<0.056	<0.0056
A7 Floor 1 Surface Dup.	5/1/01	0-2	291861	<0.110	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.056	<0.110	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<(.0056	<0.0056	<0.056	<0.056	<0.0056
A7 Sidewall 1 Surface	5/1/01	1.5	291858	<0.110	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.053	<0.110	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<(.0053	<0.0053	<0.053	<0.053	<0.0053
A7 Sidewall 2 Surface	5/1/01	1.5	291859	<0.110	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.053	<0.110	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<(.0053	<0.0053	<0.053	<0.053	<0.0053
A7 Sidewall 3 Surface	5/1/01	1.5	291863	<0.110	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.054	<0.110	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<(.0054	<0.0054	<0.054	<0.054	<0.0054
A8 Sidewall 1 Surface	4/10/01	0-2	290214	<0.012	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	[redacted]	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<(.0059	<0.0059	<0.012	<0.059	<0.0059
A8 Sidewall 2 Surface	4/10/01	0-2	290217	<0.012	<0.006	<0.012	<0.006	<0.006	<0.006	<0.012	<0.060	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<(.006	<0.006	<0.012	<0.060	<0.006
A8 Sidewall 3 Surface	5/1/01	1.5	291864	<0.110	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.055	<0.110	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<(.0055	<0.0055	<0.055	<0.055	<0.0055
A8 Sidewall 4 Surface	5/1/01	1.5	291865	<0.110	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.054	<0.110	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<(.0054	<0.0054	<0.054	<0.054	<0.0054
Tier II Residential Cleanup Goals Surface Soil[1]				NA	NA	NA	10,000	NA	26.67	NA	NA	1,000	7.03	1.37	1,000	1,000[2]	NA	NA	NA	6.40[2]	NA	NA	1.000	NA	NA	8.21
[redacted]																										
Tier II Non-Residential Cleanup Goals Surface Soil[1]				NA	NA	NA	10,000	NA	2,416.67	NA	NA	973.47	5.27	0.15	1,000	1,000[2]	NA	NA	NA	209[3]	NA	NA	1.000	NA	NA	1.78
[redacted]																										
[redacted]																										

VOCs = Volatile Organic Compounds
mg/kg = milligrams per kilogram
E = result is estimated NA = Not Applicable
(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996
(2) Calculated using surrogate toxicity values and Tier II equations.
(3) Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 12a
Excavation Confirmation Surface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	Iodomethane	Isopropylbenzene	p-Isopropyltoluene	Methylene chloride	Methyl Ethyl Ketone	Methyl(tert) butyl ether (MTBE)	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5 Trimethylbenzene
A1 Sidewall 1 Surface	5/1/01	1.5	291846	<0.010	<0.0052	0.028	<0.026	<0.100	<0.010	<0.052	<0.026	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
A1 Sidewall 2 Surface	5/1/01	1.5	291849	<0.011	<0.0057	<0.0057	<0.028	<0.110	<0.011	<0.057	<0.028	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	0.0019	<0.0057	<0.0057	<0.0057	<0.0057
A1 Sidewall 3 Surface	5/1/01	1.5	291851	<0.010	<0.0052	<0.0052	<0.026	<0.100	<0.010	<0.052	<0.026	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
A1 Sidewall 4 Surface	5/1/01	1.5	291853	<0.011	<0.0053	<0.095	<0.026	<0.110	<0.011	<0.053	<0.470	<0.095	<0.0053	<0.0053	<0.095	<0.0053	<0.0053	<0.095	<0.095	<0.0053	<0.0053	0.0	<0.0053	<0.095	<0.095	<0.095
A1 Sidewall 5 Surface	5/4/01	0-2	292259	<0.010	<0.0051	<0.0051	<0.025	<0.051	<0.010	<0.051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.012	<0.0051	<0.0051	<0.0051	<0.0051
A2 Sidewall 1 Surface	5/9/01	0-2	292402	<0.012	<0.006	<0.006	<0.03	<0.12	<0.012	<0.06	<0.03	<0.006	<0.006	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.23	<0.006	<0.006	<0.006	<0.005
A2 Sidewall 2 Surface	5/9/01	0-2	292404	<0.011	<0.0057	<0.0057	<0.028	<0.11	<0.011	<0.057	<0.028	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	0.011	<0.0057	<0.0057	<0.0057	<0.0057
A2 Sidewall 3 Surface	5/9/01	0-2	292406	<0.011	<0.0057	<0.0057	<0.029	<0.11	<0.011	<0.057	<0.029	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	0.28	<0.0057	<0.0057	<0.0057	<0.0057
A2 Sidewall 4 Surface	5/9/01	0-2	292411	<0.012	<0.0058	<0.0058	<0.029	<0.12	<0.012	<0.058	<0.029	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	0.036	<0.0058	<0.0058	<0.0058	<0.0058
A2 Sidewall 5 Surface	5/10/01	0-2	292569	<0.012	<0.0059	<0.0059	<0.029	<0.059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
A2 Sidewall 6 Surface	5/10/01	0-2	292571	<0.011	<0.0057	<0.0057	<0.028	<0.057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A2 Sidewall 7 Surface	5/10/01	0-2	292573	<0.011	<0.0056	<0.0056	<0.028	<0.056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	0.0018	<0.0056	<0.0056	<0.0056	<0.0056
A3 Sidewall 1 Surface	4/10.01	0-2	290206	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A3 Sidewall 2 Surface	4/10.01	0-2	290208	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A3 Sidewall 3 Surface	4/10.01	0-2	290211	<0.011	<0.0055	<0.0055	<0.027	<0.055	<0.011	<0.055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A3 Sidewall 4 Surface	4/23.01	0-2	291216	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.021	<0.0054	<0.0054	<0.0054	<0.0054	0.0068	<0.0054	<0.0054	<0.0054	<0.0054
A3 Sidewall 6 Surface	4/25.01	1	291422	<0.011	<0.0056	<0.0056	0.0061	<0.111	<0.011	<0.056	NA	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	0.011	<0.0056	<0.0056	<0.0056	<0.0056
A3 Sidewall 7 Surface	4/25.01	1	291424	<0.011	<0.0055	<0.0055	0.0056	<0.110	<0.011	<0.055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	0.015	0.0065
A3 Sidewall 8 Surface	5/4/01	0-2	292257	<0.010	<0.0051	<0.0051	0.029	<0.051	<0.010	<0.051	<0.0051	<0.005	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.0088	<0.0051	<0.0051	<0.0051	<0.0051
A3 Sidewall 9 Surface	5/4/01	0-2	292263	<0.036	<0.018	<0.018	<0.091	<0.180	<0.036	<0.180	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
A3 Sicewall 10 Surface	5/4/01	0-2	292265	<0.011	<0.0056	<0.0056	<0.028	<0.056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	0.0093	<0.0056	<0.0056	<0.0056	<0.0056
A4 Sidewall 1 Surface	5/4/01	0-2	292247	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A4 Sidewall 2 Surface	5/4/01	0-2	292252	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.27	<0.0054	<0.0054	<0.0054	<0.0054
A5 Sidewall 1 Surface	5/4/01	0-2	292240	<0.011	<0.0056	<0.0056	<0.028	<0.056	<0.011	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	0.0085	<0.0056	<0.0056	<0.0056	<0.0056
A5 Sidewall 2 Surface	5/4/01	0-2	292243	<0.011	<0.0057	<0.0057	<0.028	<0.057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A5 Sidewall 3 Surface	5/4/01	0-2	292245	<0.011	<0.0053	<0.0053	<0.026	<0.053	<0.011	<0.053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A6 Sidewall 1 Surface	4/25.01	1	291426	<0.011	<0.0054	<0.0054	0.0068	<0.109	<0.011	<0.054	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A6 Sidewall 1a Surface	5/22'01	0-2	293507	<0.011	<0.0057	<0.0057	0.0068	<0.057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	0.0092	<0.0057	<0.0057	<0.0057	<0.0057
A6 Sidewall 2 Surface	5/1/01	1.5	291856	<0.011	<0.0057	<0.0057	<0.028	<0.110	<0.011	<0.0057	<0.028	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A6 Sidewall 3 Surface	4/25'01	1	291432	<0.011	<0.0054	<0.0054	0.0018	<0.107	<0.011	<0.054	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.0088	<0.0054	<0.0054	<0.0054	<0.0054
A6 Sidewall 3a Surface	5/22'01	1	293503	<0.011	<0.0057	<0.0057	<0.044	<0.057	<0.011	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A7 Floor 1 Surface	5/1/01	1.5	291857	<0.011	<0.0056	<0.0056	<0.028	<0.110	<0.011	<0.056	<0.028	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A7 Floor 1 Surface Dup.	5/1/01	0-2	291861	<0.011	<0.0056	<0.0056	<0.028	<0.110	<0.011	<0.056	<0.028	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A7 Sidewall 1 Surface	5/1/01	1.5	291858	<0.011	<0.0053	<0.0053	<0.027	<0.110	<0.011	<0.053	<0.027	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	0.0078	<0.0053	<0.0053	<0.0053	<0.0053
A7 Sidewall 2 Surface	5/1/01	1.5	291859	<0.011	<0.0053	<0.0053	<0.027	<0.110	<0.011	<0.053	<0.027	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	0.0	<0.0053	<0.0053	<0.0053	<0.0053
A7 Sidewall 3 Surface	5/1/01	1.5	291863	<0.011	<0.0054	<0.0054	<0.027	<0.110	<0.011	<0.0054	<0.027	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A8 Sidewall 1 Surface	4/10'01	0-2	290214	<0.012	<0.0059	<0.0059	0.0040	<0.059	<0.012	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	0.287	<0.0059	<0.0059	<0.0059	<0.0059
A8 Sidewall 2 Surface	4/10'01	0-2	290217	<0.012	<0.006	<0.006	<0.030	<0.060	<0.012	<0.060	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.152	<0.006	<0.006	<0.006	<0.006
A8 Sidewall 3 Surface	5/1/01	1.5	291864	<0.011	<0.0055	<0.0055	<0.027	<0.110	<0.011	<0.055	<0.027	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A8 Sidewall 4 Surface	5/1/01	1.5	291865	<0.011	<0.0054	<0.0054	<0.027	<0.110	<0.011	<0.0054	<0.027	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
Tier II Residential Cleanup Goals Surface Soil[1]				NA	1,000[2]	1,000[2]	85.3[2]	1,000	NA	1,000	10,000	1.00E[2]	NA	24.62	3.20	12.56	1,000	NA	2 700	1,000	11.23	58.18	1,000[2]	NA	1,000[2]	1,000[2]
Tier II Non-Residential Cleanup Goals Surface Soil[1]				NA	647[2]	1,000[2]	816[2]	1,000	NA	1,000	10,000	1.00E[2]	410,000[3]	75.91	75.41	101.23	1,000	NA	10,000	1,000	22.74	24.97	1,000[2]	NA	1,000[2]	435[2]

Bold = Constituent Above the VRP Tier II Residential Cleanup Goal

Italics = Compound is Below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds

mg/kg = milligrams per kilogram

E = result is estimated NA = Not Applicable

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Health Evaluation by Office of Environmental Response, July 1996

(2) Calculated using surrogate toxicity values and Tier II equations.

(3) Source: EPA Region 3 Risc-Based Concentration Table - October 1998 Update

Table 12a
Excavation Confirmation Surface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	Vinyl acetate	Vinyl chloride	Xylenes, Total
A1 Sidewall 1 Surface	5/1/01	1.5	291846	<0.052	<0.010	<0.016
A1 Sidewall 2 Surface	5/1/01	1.5	291849	<0.057	<0.011	<0.017
A1 Sidewall 3 Surface	5/1/01	1.5	291851	<0.052	<0.010	<0.015
A1 Sidewall 4 Surface	5/1/01	1.5	291853	<0.053	<0.011	<0.016
A1 Sidewall 5 Surface	5/4/01	0-2	292259	<0.010	<0.010	<0.0051
A2 Sidewall 1 Surface	5/9/01	0-2	292402	<0.06	<0.012	<0.018
A2 Sidewall 2 Surface	5/9/01	0-2	292404	<0.057	<0.011	<0.017
A2 Sidewall 3 Surface	5/9/01	0-2	292406	<0.057	<0.011	<0.017
A2 Sidewall 4 Surface	5/9/01	0-2	292411	<0.058	<0.012	<0.017
A2 Sidewall 5 Surface	5/10/01	0-2	292569	<0.012	<0.012	<0.0059
A2 Sidewall 6 Surface	5/10/01	0-2	292571	<0.011	<0.011	<0.0057
A2 Sidewall 7 Surface	5/10/01	0-2	292573	<0.011	<0.011	<0.0056
A3 Sidewall 1 Surface	4/10/01	0-2	290206	<0.011	<0.011	<0.0054
A3 Sidewall 2 Surface	4/10/01	0-2	290208	<0.011	<0.011	<0.0054
A3 Sidewall 3 Surface	4/10/01	0-2	290211	<0.011	<0.011	<0.0055
A3 Sidewall 4 Surface	4/23/01	0-2	291216	<0.011	<0.011	<0.0054
A3 Sidewall 6 Surface	4/25/01	1	291422	<0.056	<0.011	<0.017
A3 Sidewall 7 Surface	4/25/01	1	291424	<0.055	<0.011	<0.017
A3 Sidewall 8 Surface	5/4/01	0-2	292257	<0.010	<0.010	<0.0051
A3 Sidewall 9 Surface	5/4/01	0-2	292263	<0.036	<0.036	<0.018
A3 Sidewall 10 Surface	5/4/01	0-2	292265	<0.011	<0.011	<0.0056
A4 Sidewall 1 Surface	5/4/01	0-2	292247	<0.011	<0.011	<0.0054
A4 Sidewall 2 Surface	5/4/01	0-2	292252	<0.011	<0.011	<0.0054
A5 Sidewall 1 Surface	5/4/01	0-2	292240	<0.011	<0.011	<0.0056
A5 Sidewall 2 Surface	5/4/01	0-2	292243	<0.011	<0.011	<0.0057
A5 Sidewall 3 Surface	5/4/01	0-2	292245	<0.011	<0.011	<0.0053
A6 Sidewall 1 Surface	4/25/01	1	291426	<0.054	<0.011	<0.016
A6 Sidewall 1a Surface	5/22/01	0-2	293507	<0.011	<0.011	<0.0057
A6 Sidewall 2 Surface	5/1/01	1.5	291856	<0.057	<0.011	<0.017
A6 Sidewall 3 Surface	4/25/01	1	291432	<0.054	<0.011	<0.016
A6 Sidewall 3a Surface	5/22/01	1	293503	<0.011	<0.011	<0.0057
A7 Floor 1 Surface	5/1/01	1.5	291857	<0.056	<0.011	<0.017
A7 Floor 1 Surface Dup.	5/1/01	0-2	291861	<0.056	<0.011	<0.017
A7 Sidewall 1 Surface	5/1/01	1.5	291858	<0.053	<0.011	<0.016
A7 Sidewall 2 Surface	5/1/01	1.5	291859	<0.053	<0.011	<0.016
A7 Sidewall 3 Surface	5/1/01	1.5	291863	<0.054	<0.011	<0.016
A8 Sidewall 1 Surface	4/10/01	0-2	290214	<0.012	<0.012	<0.0059
A8 Sidewall 2 Surface	4/10/01	0-2	290217	<0.012	<0.012	<0.006
A8 Sidewall 3 Surface	5/1/01	1.5	291864	<0.055	<0.011	<0.016
A8 Sidewall 4 Surface	5/1/01	1.5	291865	<0.054	<0.011	<0.016
Tier II Residential Cleanup Goals Surface Soil[1]				NA	0.034	1,000
Tier II Non-Residential Clearup Goals Surface Soil[1]				NA	0.02	1,000

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds
mg/kg = milligrams per kilogram
E = result is estimated NA = Not Applicable
(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmenta Health Evaluation by Office of Environmental Response, July 1996
(2) Calculated using surrogate tox city values and Tier II equations.
(3) Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

EXCAVATION CONFIRMATION SURFACE SOIL ANALYTICAL RESULTS FOR PAHs

Table 12b
Excavation Confirmation Surface Soil Analytical Results for PAHs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
A1 Sidewall 1 Surface	5/1/01	1.5	291845	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A1 Sidewall 2 Surface	5/1/01	1.5	291849	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A1 Sidewall 3 Surface	5/1/01	1.5	291851	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A1 Sidewall 4 Surface	5/1/01	1.5	291853	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	0.48	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A1 Sidewall 5 Surface	5/4/01	0-2	292259	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
A2 Sidewall 1 Surface	5/9/01	0-2	292402	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
A2 Sidewall 2 Surface	5/9/01	0-2	292404	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A2 Sidewall 3 Surface	5/9/01	0-2	292405	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A2 Sidewall 4 Surface	5/9/01	0-2	292411	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A2 Sidewall 5 Surface	5/10/01	0-2	292569	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
A2 Sidewall 6 Surface	5/10/01	0-2	292571	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A2 Sidewall 7 Surface	5/10/01	0-2	292573	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Sidewall 1 Surface	4/10/01	0-2	290205	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Sidewall 2 Surface	4/10/01	0-2	290208	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A3 Sidewall 3 Surface	4/10/01	0-2	290211	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Sidewall 4 Surface	4/23/01	0-2	291215	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A3 Sidewall 6 Surface	4/25/01	1	291422	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Sidewall 7 Surface	4/25/01	1	291424	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Sidewall 8 Surface	5/4/01	0-2	292257	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
A3 Sidewall 9 Surface	5/4/01	0-2	292263	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
A3 Sidewall 10 Surface	5/4/01	0-2	292265	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A4 Sidewall 1 Surface	5/4/01	0-2	292247	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A4 Sidewall 2 Surface	5/4/01	0-2	292252	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A5 Sidewall 1 Surface	5/4/01	0-2	292240	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A5 Sidewall 2 Surface	5/4/01	0-2	292243	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A5 Sidewall 3 Surface	5/4/01	0-2	292245	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A6 Sidewall 1 Surface	4/25/01	1	291425	<0.36	<0.36	<0.36	<0.36	1.7	0.92	<0.36	<0.36	<0.36	<0.36	0.76	<0.36	<0.36	<0.36	0.57	0.65
A6 Sidewall 1a Surface	5/22/01	0-2	293507	<0.38	<0.38	<0.38	0.48	1.50		<0.38	0.97	0.55	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A6 Sidewall 2 Surface	5/1/01	1.5	291855	<0.38	<0.38	<0.38	<0.38	0.51	0.47	<0.38	0.55	<0.38	<0.38	<0.38	<0.38	0.48	<0.38	<0.38	<0.38
A6 Sidewall 3 Surface	4/25/01	1	291432	<0.35	<0.35	<0.35	<0.35	<2.0	<2.0	<2.0	<2.0	<0.35	<2.0	<0.35	<0.35	<2.0	<0.35	<0.35	<0.35
A6 Sidewall 3a Surface	5/22/01	1	293503	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A7 Floor 1 Surface	5/1/01	1.5	291857	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A7 Floor 1 Surface Dup.	5/1/01	0-2	291861	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A7 Sidewall 1 Surface	5/1/01	1.5	291858	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A7 Sidewall 2 Surface	5/1/01	1.5	291859	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A7 Sidewall 3 Surface	5/1/01	1.5	291863	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A8 Sidewall 1 Surface	4/10/01	0-2	290214	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59
A8 Sidewall 2 Surface	4/10/01	0-2	290217	<0.40	<0.40	<0.40	<0.40	<0.40	0.41	<0.40	<0.40	<0.40	<0.40	0.48	<0.40	<0.40	<0.40	<0.40	0.59
A8 Sidewall 3 Surface	5/1/01	1.5	291864	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A8 Sidewall 4 Surface	5/1/01	1.5	291865	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Tier II Residential Cleanup Goals Surface Soil[1]				10,000	5,400[2]	10,000	0.88	0.66	0.88	1,620[2]	8.77	87.67	0.66	2,160	10,000	0.88	10,000	260[3]	8,100
Tier II Non-Residential Cleanup Goals Surface Soil[1]				10,000	4,570[2]	10,000	79.45	7.94	79.45	10,000[2]	794.52	7,945.21	7.95	10,000	10,000	79.45	10,000	260[3]	10,000

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

PAHs = Polynuclear Aromatic Hydrocarbons Samples analyzed using EPA SW-846 Method 8310

mg/kg = micrograms per kilogram NA = Not Applicable

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Resporse, July 1996

(2) Calculated using surrogate toxicity values and Tier II equations.

(3) Tier I Health Protective Levels for Phenanthrene, Iodomethane and Acrolein Technical Memo by Indiana Voluntary Remediation Program, Dated 4/21/98

EXCAVATION CONFIRMATION SURFACE SOIL ANALYTICAL RESULTS FOR METALS

Table 12c
Excavation Confirmation Surface Soil Analytical Results for Metals (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	Total Cadmium	Total Chromium	Total Lead
A1 Sidewall 1 Surface	5/1/01	1.5	291846	<0.52	18	120
A1 Sidewall 2 Surface	5/1/01	1.5	291849	2.0	14	39
A1 Sidewall 3 Surface	5/1/01	1.5	291851	<0.52	13	200
A1 Sidewall 4 Surface	5/1/01	1.5	291853	1.4	23	1,200
A1 Sidewall 5 Surface	5/4/01	0-2	292259	<0.51	8	43
A2 Sidewall 1 Surface	5/9/01	0-2	292402	<0.6	12	30
A2 Sidewall 2 Surface	5/9/01	0-2	292404	0.9	12	100
A2 Sidewall 3 Surface	5/9/01	0-2	292406	3.6	24	1,300
A2 Sidewall 4 Surface	5/9/01	0-2	292411	<0.58	9.1	520
A2 Sidewall 5 Surface	5/10/01	0-2	292569	2.1	13	31
A2 Sidewall 6 Surface	5/10/01	0-2	292571	0.98	8	30
A2 Sidewall 7 Surface	5/10/01	0-2	292573	1.7	16	72
A3 Sidewall 1 Surface	4/10/01	0-2	290206	<0.54	8	31
A3 Sidewall 2 Surface	4/10/01	0-2	290208	2.3	17	
A3 Sidewall 3 Surface	4/10/01	0-2	290211	2.4	21	392
A3 Sidewall 4 Surface	4/23/01	0-2	291216	6.1	5	
A3 Sidewall 6 Surface	4/25/01	1	291422	2	5	2.5
A3 Sidewall 7 Surface	4/25/01	1	291424	4.4	8	185
A3 Sidewall 8 Surface	5/4/01	0-2	292257	13.0	25	
A3 Sidewall 9 Surface	5/4/01	0-2	292263	9.9	34	
A3 Sidewall 10 Surface	5/4/01	0-2	292265	<0.56	7	35
A4 Sidewall 1 Surface	5/4/01	0-2	292247	1.8	8	
A4 Sidewall 2 Surface	5/4/01	0-2	292252	2.7	9	210
A5 Sidewall 1 Surface	5/4/01	0-2	292240	2.7	22	
A5 Sidewall 2 Surface	5/4/01	0-2	292243	<0.57	7	5
A5 Sidewall 3 Surface	5/4/01	0-2	292245	0.99	11	70
A6 Sidewall 1 Surface	4/25/01	1	291426	8	9	3,050
A6 Sidewall 1a Surface	5/22/01	0-2	293507	7.5	9	2,000
A6 Sidewall 2 Surface	5/1/01	1.5	291856	<0.57	7	39
A6 Sidewall 3 Surface	4/25/01	1	291432	7.3	8	1,300
A6 Sidewall 3a Surface	5/22/01	1	293503	2.3	8	11
A7 Floor 1 Surface	5/1/01	1.5	291857	<0.56	4	9
A7 Floor 1 Surface Dup.	5/1/01	0-2	291861	<0.56	21	5
A7 Sidewall 1 Surface	5/1/01	1.5	291858	<0.53	11	90
A7 Sidewall 2 Surface	5/1/01	1.5	291859	<0.53	12	<4.3
A7 Sidewall 3 Surface	5/1/01	1.5	291863	3.3	8	70
A8 Sidewall 1 Surface	4/10/01	0-2	290214	5	8	2,840
A8 Sidewall 2 Surface	4/10/01	0-2	290217	6.8	9	1,560
A8 Sidewall 3 Surface	5/1/01	1.5	291864	<0.55	8	30
A8 Sidewall 4 Surface	5/1/01	1.5	291865	2.0	24	
Tier II Residential Cleanup Goals Surface Soil[1]				135	1,350	400 [2]
Tier II Non-Residential Cleanup Goals Surface Soil[1]				1,020	10,000	1,000 [2]

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000

mg/kg = milligrams per kilogram

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] IDEM VRP Interoffice Memo dated on January 26, 1998

EXCAVATION CONFIRMATION SUBSURFACE SOIL ANALYTICAL RESULTS FOR VOCs

Table 13a
Excavation Confirmation Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloro-methane	Bromodichloro-methane	Bromoform	Bromomethane (Methyl Bromide)	n-Butylbenzene	sec-Butylbenzene
A1 Floor 1	05/01/2001	8	291848	<0.110	<0.530	<0.270	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053
A1 Floor 2	05/01/2001	6	291855	<0.100	<0.510	<0.260	<0.0051	<0.092	<0.0051	<0.0051	<0.0051	<0.010	<0.092	<0.092
A1 Sidewall 1 Subsurface	05/01/2001	6	291847	<0.110	<0.530	<0.260	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053
A1 Sidewall 2 Subsurface	05/01/2001	4	291850	<0.110	<0.560	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056
A1 Sidewall 3 Subsurface	05/01/2001	6	291852	<0.100	<0.540	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A1 Sidewall 4 Subsurface	05/01/2001	4	291854	<0.110	<0.530	<0.270	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053
A1 Sidewall 5 Subsurface	05/04/2001	4	292260	<0.100	<0.260	<0.260	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.0051	<0.0051
A2 Floor 1	05/09/2001	9	292408	<0.11	<0.54	<0.27	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	1.6	0.7
A2 Floor 1 Dup.	05/09/2001	9	292409	<12.1	<60.5	<29.7	<0.6	<0.6	<0.6	<0.6	<0.6	<1.2	<0.6	<0.6
A2 Floor 2	05/09/2001	6	292410	<2.6	<13.0	<6.5	<0.13	<0.13	<0.13	<0.13	<0.13	<0.26	<0.13	<0.13
A2 Floor 3	05/10/2001	7	292576	<0.490	<1.2	<1.2	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	2.4	0.66
A2 Floor 4	05/10/2001	6	292577	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A2 Sidewall 1 Subsurface	05/09/2001	7	292403	<2.4	<12.0	<6.2	<0.12	<0.12	<0.12	<0.12	<0.12	<0.24	0.93	0.12
A2 Sidewall 2 Subsurface	05/09/2001	4	292405	<0.11	<0.56	<0.28	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056
A2 Sidewall 3 Subsurface	05/09/2001	4	292407	<0.11	<0.57	<0.29	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057
A2 Sidewall 4 Subsurface	05/09/2001	7	292412	<2.4	<12.0	<6.2	<0.12	<0.12	<0.12	<0.12	<0.12	<0.24	<0.12	<0.12
A2 Sidewall 5 Subsurface	05/10/2001	4.5	292570	<0.110	<0.290	<0.290	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057
A2 Sidewall 6 Subsurface	05/10/2001	3	292572	<0.120	<0.290	<0.290	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.0058	<0.0058
A2 Sidewall 7 Subsurface	05/10/2001	5	292574	<0.110	<0.280	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056
A2 Sidewall 7 Subsurface Dup.	05/10/2001	5	292575	<0.110	<0.280	<0.280	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056
A3 Floor 1	04/10/2001	6.5	290203	<0.109	<0.273	<0.273	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055
A3 Floor 2	04/10/2001	6.5	290204	<0.110	<0.276	<0.276	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055
A3 Floor 3	04/18/2001	6	290693	<0.109	<0.272	<0.272	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A3 Floor 4	04/18/2001	6	290694	<0.110	<0.276	<0.276	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055
A3 Floor 5	04/23/2001	6-7	291218	<0.108	<0.271	<0.271	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A3 Floor 5 Dup.	04/23/2001	6-7	291219	<0.108	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A3 Floor 6	04/23/2001	6	291220	<0.111	<0.277	<0.277	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055
A3 Floor 7	04/23/2001	6	291221	<0.113	<0.282	<0.282	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056
A3 Floor 8	04/25/2001	4	291420	<0.111	<0.556	<0.278	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056
A3 Floor 8	05/04/2001	4	292249	<0.100	<0.260	<0.260	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.0051	<0.0051
A3 Floor 8 Dup.	05/04/2001	4	292250	<0.100	<0.260	<0.260	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.0051	<0.0051
A3 Floor 9	04/25/2001	4	291421	<0.110	<0.552	<0.276	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055
A3 Floor 9	05/04/2001	4	292251	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A3 Floor 10	05/04/2001	4.5	292256	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A3 Sidewall 1 Subsurface	04/10/2001	4.5	290205	<0.119	<0.297	<0.297	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059
A3 Sidewall 2 Subsurface	04/10/2001	3.5	290207	<0.117	<0.293	<0.293	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059
A3 Sidewall 3 Subsurface	04/10/2001	4	290209	<0.115	<0.286	<0.286	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057
A3 Sidewall 3 Subsurface Dup.	04/10/2001	4	290210	<0.114	<0.285	<0.285	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057
A3 Sidewall 4 Subsurface	04/23/2001	4	291217	<0.106	<0.265	<0.265	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053
A3 Sidewall 6 Subsurface	04/25/2001	2.5	291423	<0.119	<0.593	<0.297	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059
A3 Sidewall 7 Subsurface	04/25/2001	3	291425	<0.111	<0.556	<0.278	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056
A3 Sidewall 8 Subsurface	05/04/2001	2.5-3	292258	<0.100	<0.260	<0.260	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.0052	<0.0052
A3 Sidewall 9 Subsurface	05/04/2001	3	292264	<0.100	<0.260	<0.260	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.0052	<0.0052
A3 Sidewall 10 Subsurface	05/04/2001	3.5	292266	<0.490	<1.2	<1.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.049	<0.025	<0.025
A3 Sidewall 10 Subsurface Dup.	05/04/2001	3.5	292267	<0.500	<1.2	<1.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.049	<0.025	<0.025
A4 Floor 1	05/04/2001	4	292255	<0.100	<0.260	<0.260	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.0052	<0.0052
A4 Floor 2	05/04/2001	4	292254	<0.100	<0.260	<0.260	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.0051	<0.0051
A4 Sidewall 1 Subsurface	05/04/2001	3	292248	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A4 Sidewall 2 Subsurface	05/04/2001	3	292253	<0.110	<0.260	<0.260	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053
A5 Floor 1	05/04/2001	5	292261	<0.110	<0.270	<0.270	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	0.15	0.036
A5 Floor 2	05/04/2001	5	292262	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A5 Sidewall 1 Subsurface	05/04/2001	4	292241	<4.1	<10	<10	<0.200	<0.200	<0.200	<0.200	<0.200	<0.410	<0.200	<0.200
A5 Sidewall 1 Subsurface Dup.	05/04/2001	4	292242	<4.0	<10	<10	<0.200	<0.200	<0.200	<0.200	<0.200	<0.400	<0.200	<0.200
A5 Sidewall 2 Subsurface	05/04/2001	4	292244	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A5 Sidewall 3 Subsurface	05/04/2001	3.5	292246	<0.110	<0.270	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A6 Floor 1	04/25/2001	4	291428	<0.110	<0.552	<0.276	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055
A6 Floor 1 Dup	04/25/2001	4	291429	<0.109	<0.545	<0.273	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055
A6 Floor 2	04/25/2001	3	291430	<0.106	<0.531	<0.265	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053
A6 Sidewall 1 Subsurface	04/25/2001	2.5	291427	<0.111	<0.553	<0.277	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055
A6 Sidewall 2 Subsurface	04/25/2001	3	291431	<0.108	<0.541	<0.271	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A6 Sidewall 3 Subsurface	04/25/2001	3	291433	<0.111	<0.557	<0.279	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056
A7 Floor 2	05/01/2001	5	291862	<0.110	<0.540	<0.270	<0.0054	<0.110	<0.0054	<0.0054	<0.0054	<0.011	<0.110	<0.110
A7 Sidewall 2 Subsurface	05/01/2001	3.5	291860	<0.110	<0.540	<0.270	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.0054	<0.0054
A8 Floor 1	04/10/2001	5	290212	<4.39	<11	<11	<0.223	<0.223	<0.223	<0.223	<0.223	<0.435	<0.223	<0.223
A8 Sidewall 1 Subsurface	04/10/2001	3	290213	<8.76	<22	<22	<0.439	<0.439	<0.439	<0.439	<0.439	<0.878	<0.439	<0.439
A8 Floor 2	04/10/2001	5	290215	<4.39	<11	<11	<0.220	<0.220	<0.220	<0.220	<0.220	<0.440	<0.220	<0.220
A8 Sidewall 2 Subsurface	04/10/2001	3	290216	<4.48	<11.2	<11.2	<0.228	<0.228	<0.228	<0.228	<0.228	<0.443	2.28	1.02
[redacted]														
Tier II Residential Cleanup Goals Subsurface Soil[1]				22.793	NA	NA	0.059	NA	NA	0.000389[2]	NA	NA	33.5[2]	30.1[2]
[redacted]														
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				136.29	NA	NA	4.77	NA	NA	0.692[2]	NA	NA	972[2]	725[2]
[redacted]														
[redacted]														

VOCs = Volatile Organic Compounds E = result is estimated
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 13a
Excavation Confirmation Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chlorodibromo-methene	Chloroethane	Chloroform	Chloromethane (Methyl Chloride)	2-Chlortoluene	4-Chlorotoluene	2-Chloroethyl vinyl ether
A1 Floor 1	05/01/2001	8	291848	<0.0053	<0.110	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	ND
A1 Floor 2	05/01/2001	6	291855	<0.092	<0.100	<0.0051	<0.0051	<0.0051	<0.010	<0.020	<0.010	<0.092	<0.092	ND
A1 Sidewall 1 Subsurface	05/01/2001	6	291847	<0.0053	<0.110	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	ND
A1 Sidewall 2 Subsurface	05/01/2001	4	291850	<0.0056	<0.110	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	ND
A1 Sidewall 3 Subsurface	05/01/2001	6	291852	<0.0054	<0.110	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	ND
A1 Sidewall 4 Subsurface	05/01/2001	4	291854	<0.0053	<0.110	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	ND
A1 Sidewall 5 Subsurface	05/04/2001	4	292260	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.020	<0.010	<0.0051	<0.0051	<0.051
A2 Floor 1	05/09/2001	9	292408	<0.0054	<0.11	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	ND
A2 Floor 1 Dup.	05/09/2001	9	292409	<0.6	<12.1	<0.6	<0.6	<0.6	<1.2	<2.4	<1.2	<0.6	<0.6	ND
A2 Floor 2	05/09/2001	6	292410	<0.13	<2.6	<0.13	<0.13	<0.13	<0.26	<0.53	<0.26	<0.13	<0.13	ND
A2 Floor 3	05/10/2001	7	292576	<0.024	<0.024	<0.024	[redacted]	<0.024	<0.048	<0.097	<0.048	<0.024	<0.024	<0.240
A2 Floor 4	05/10/2001	6	292577	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A2 Sidewall 1 Subsurface	05/09/2001	7	292403	<0.12	<2.4	<0.12	<0.12	<0.12	<0.24	<0.48	<0.24	<0.12	<0.12	ND
A2 Sidewall 2 Subsurface	05/09/2001	4	292405	<0.0056	<0.11	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	ND
A2 Sidewall 3 Subsurface	05/09/2001	4	292407	<0.0057	<0.11	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	ND
A2 Sidewall 4 Subsurface	05/09/2001	7	292412	<0.12	<2.4	<0.12	<0.12	<0.12	<0.24	<0.48	<0.24	<0.12	<0.12	ND
A2 Sidewall 5 Subsurface	05/10/2001	4.5	292570	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	<0.057
A2 Sidewall 6 Subsurface	05/10/2001	3	292572	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.023	<0.012	<0.0058	<0.0058	<0.058
A2 Sidewall 7 Subsurface	05/10/2001	5	292574	<0.0056	<0.110	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	<0.056
A2 Sidewall 7 Subsurface Dup.	05/10/2001	5	292575	<0.0056	<0.110	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	<0.056
A3 Floor 1	04/10/2001	6.5	290203	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	<0.055
A3 Floor 2	04/10/2001	6.5	290204	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	<0.055
A3 Floor 3	04/18/2001	6	290693	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A3 Floor 4	04/18/2001	6	290694	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	<0.055
A3 Floor 5	04/23/2001	6-7	291218	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A3 Floor 5 Dup.	04/23/2001	6-7	291219	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A3 Floor 6	04/23/2001	6	291220	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	<0.055
A3 Floor 7	04/23/2001	6	291221	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.023	<0.011	<0.0056	<0.0056	<0.056
A3 Floor 8	04/25/2001	4	291420	<0.0056	<0.111	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.022	<0.0056	<0.0056	ND
A3 Floor 8	05/04/2001	4	292249	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.020	<0.010	<0.0051	<0.0051	<0.051
A3 Floor 8 Dup.	05/04/2001	4	292250	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.020	<0.010	<0.0051	<0.0051	<0.051
A3 Floor 9	04/25/2001	4	291421	<0.0055	<0.110	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	ND
A3 Floor 9	05/04/2001	4	292251	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A3 Floor 10	05/04/2001	4.5	292256	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A3 Sidewall 1 Subsurface	04/10/2001	4.5	290205	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0012	<0.0024	<0.0012	<0.0059	<0.0059	<0.059
A3 Sidewall 2 Subsurface	04/10/2001	3.5	290207	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.023	<0.012	<0.0059	<0.0059	<0.059
A3 Sidewall 3 Subsurface	04/10/2001	4	290209	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	<0.057
A3 Sidewall 3 Subsurface Dup.	04/10/2001	4	290210	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.023	<0.011	<0.0057	<0.0057	<0.057
A3 Sidewall 4 Subsurface	04/23/2001	4	291217	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	<0.053
A3 Sidewall 6 Subsurface	04/25/2001	2.5	291423	<0.0059	<0.119	<0.0059	<0.0059	<0.0059	<0.012	<0.024	<0.012	<0.0059	<0.0059	ND
A3 Sidewall 7 Subsurface	04/25/2001	3	291425	<0.0056	<0.111	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	ND
A3 Sidewall 8 Subsurface	05/04/2001	2.5-3	292258	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.021	<0.010	<0.0052	<0.0052	<0.052
A3 Sidewall 9 Subsurface	05/04/2001	3	292264	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.021	<0.010	<0.0052	<0.0052	<0.052
A3 Sidewall 10 Subsurface	05/04/2001	3.5	292266	<0.025	<0.025	<0.025	<0.025	<0.025	<0.049	<0.099	<0.049	<0.025	<0.025	<0.250
A3 Sidewall 10 Subsurface Dup.	05/04/2001	3.5	292267	<0.025	<0.025	<0.025	<0.025	<0.025	<0.049	<0.100	<0.049	<0.025	<0.025	<0.250
A4 Floor 1	05/04/2001	4	292255	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.021	<0.010	<0.0052	<0.0052	<0.052
A4 Floor 2	05/04/2001	4	292254	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.020	<0.010	<0.0051	<0.0051	<0.051
A4 Sidewall 1 Subsurface	05/04/2001	3	292248	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A4 Sidewall 2 Subsurface	05/04/2001	3	292253	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	<0.053
A5 Floor 1	05/04/2001	5	292261	[redacted]	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	<0.055
A5 Floor 2	05/04/2001	5	292262	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A5 Sidewall 1 Subsurface	05/04/2001	4	292241	<0.200	<0.200	<0.200	<0.200	<0.200	<0.410	<0.820	<0.410	<0.200	<0.200	<2.0
A5 Sidewall 1 Subsurface Dup.	05/04/2001	4	292242	<0.200	<0.200	<0.200	<0.200	<0.200	<0.400	<0.790	<0.400	<0.200	<0.200	<2.0
A5 Sidewall 2 Subsurface	05/04/2001	4	292244	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A5 Sidewall 3 Subsurface	05/04/2001	3.5	292246	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	<0.054
A6 Floor 1	04/25/2001	4	291428	<0.0055	<0.110	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	ND
A6 Floor 1 Dup	04/25/2001	4	291429	<0.0055	<0.109	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	ND
A6 Floor 2	04/25/2001	3	291430	<0.0053	<0.106	<0.0053	<0.0053	<0.0053	<0.011	<0.021	<0.011	<0.0053	<0.0053	ND
A6 Sidewall 1 Subsurface	04/25/2001	2.5	291427	<0.0055	<0.111	<0.0055	<0.0055	<0.0055	<0.011	<0.022	<0.011	<0.0055	<0.0055	ND
A6 Sidewall 2 Subsurface	04/25/2001	3	291431	<0.0054	<0.108	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	ND
A6 Sidewall 3 Subsurface	04/25/2001	3	291433	<0.0056	<0.111	<0.0056	<0.0056	<0.0056	<0.011	<0.022	<0.011	<0.0056	<0.0056	ND
A7 Floor 2	05/01/2001	5	291862	<0.110	<0.100	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.110	<0.110	ND
A7 Sidewall 2 Subsurface	05/01/2001	3.5	291860	<0.0054	<0.110	<0.0054	<0.0054	<0.0054	<0.011	<0.022	<0.011	<0.0054	<0.0054	ND
A8 Floor 1	04/10/2001	5	290212	<0.223	<0.223	<0.223	<0.223	<0.223	<0.435	<0.882	<0.435	<0.223	<0.223	<2.23
A8 Sidewall 1 Subsurface	04/10/2001	3	290213	<0.439	<0.439	<0.439	<0.439	<0.439	<0.878	<1.76	<0.878	<0.439	<0.439	<4.39
A8 Floor 2	04/10/2001	5	290215	<0.220	<0.220	<0.220	<0.220	<0.220	<0.440	<0.880	<0.440	<0.220	<0.220	<2.2
A8 Sidewall 2 Subsurface	04/10/2001	3	290216	<0.228	<0.228	<0.228	<0.228	<0.228	<0.443	<0.898	<0.443	<0.228	<0.228	<2.28
Tier II Residential Cleanup Goals Subsurface Soil[1]				22.01[2]	182[2]	NA	11.1[2]	NA	1,000	2.082	NA	NA	NA	NA
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				868[2]	1,300[2]	NA	803[2]	NA	1,000	20.33	NA	NA	NA	NA
Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal														
Detected compound exceeds the VRP Tier II Residential Cleanup Goal														

VOCs = Volatile Organic Compounds E = result is estimated
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 13a
Excavation Confirmation Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	Dibromomethane (Methylene Bromide)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoro-methane	trans-1,4-Dichloro-2-butene	1,1-Dichloroethane	1,2-Dichloroethane
A1 Floor 1	05/01/2001	8	291848	<0.110	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.053	<0.110	<0.0053	<0.0053
A1 Floor 2	05/01/2001	6	291855	<1.8	<0.0051	<0.010	<0.092	<0.092	<0.092	<0.051	<0.100	<0.0051	<0.0051
A1 Sidewall 1 Subsurface	05/01/2001	6	291847	<0.110	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.053	<0.110	<0.0053	<0.0053
A1 Sidewall 2 Subsurface	05/01/2001	4	291850	<0.110	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.056	<0.110	<0.0056	<0.0056
A1 Sidewall 3 Subsurface	05/01/2001	6	291852	<0.110	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.054	<0.110	<0.0054	<0.0054
A1 Sidewall 4 Subsurface	05/01/2001	4	291854	<0.110	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.053	<0.110	<0.0053	<0.0053
A1 Sidewall 5 Subsurface	05/04/2001	4	292260	<0.010	<0.0051	<0.010	<0.0051	<0.0051	<0.0051	<0.010	<0.051	<0.0051	<0.0051
A2 Floor 1	05/09/2001	9	292408	<0.11	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.054	ND	<0.0054	<0.0054
A2 Floor 1 Dup.	05/09/2001	9	292409	<12.1	<0.6	<1.2	<0.6	<0.6	<0.6	<6.0	ND	<0.6	<0.6
A2 Floor 2	05/09/2001	6	292410	<2.6	<0.13	<0.26	<0.13	<0.13	<0.13	<1.3	ND	<0.13	<0.13
A2 Floor 3	05/10/2001	7	292576	<0.048	<0.024	<0.048	<0.024	<0.024	<0.024	<0.048	<0.240	<0.024	<0.024
A2 Floor 4	05/10/2001	6	292577	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054
A2 Sidewall 1 Subsurface	05/09/2001	7	292403	<2.4	<0.12	<0.24	<0.12	<0.12	<0.12	<1.2	ND	<0.12	<0.12
A2 Sidewall 2 Subsurface	05/09/2001	4	292405	<0.11	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.056	ND	<0.0056	<0.0056
A2 Sidewall 3 Subsurface	05/09/2001	4	292407	<0.11	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.057	ND	<0.0057	<0.0057
A2 Sidewall 4 Subsurface	05/09/2001	7	292412	<2.4	<0.12	<0.24	<0.12	<0.12	<0.12	<1.2	ND	<0.12	<0.12
A2 Sidewall 5 Subsurface	05/10/2001	4.5	292570	<0.011	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.057	<0.0057	<0.0057
A2 Sidewall 6 Subsurface	05/10/2001	3	292572	<0.012	<0.0058	<0.012	<0.0058	<0.0058	<0.0058	<0.012	<0.058	<0.0058	<0.0058
A2 Sidewall 7 Subsurface	05/10/2001	5	292574	<0.011	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056	<0.0056
A2 Sidewall 7 Subsurface Dup.	05/10/2001	5	292575	<0.011	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056	<0.0056
A3 Floor 1	04/10/2001	6.5	290203	<0.011	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.055	<0.0055	<0.0055
A3 Floor 2	04/10/2001	6.5	290204	<0.011	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.055	<0.0055	<0.0055
A3 Floor 3	04/18/2001	6	290693	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054
A3 Floor 4	04/18/2001	6	290694	<0.011	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.055	<0.0055	<0.0055
A3 Floor 5	04/23/2001	6-7	291218	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054
A3 Floor 5 Dup.	04/23/2001	6-7	291219	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054
A3 Floor 6	04/23/2001	6	291220	<0.011	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.055	<0.0055	<0.0055
A3 Floor 7	04/23/2001	6	291221	<0.011	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.056	<0.0056	<0.0056
A3 Floor 8	04/25/2001	4	291420	<0.111	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.056	ND	<0.0056	<0.0056
A3 Floor 8	05/04/2001	4	292249	<0.010	<0.0051	<0.010	<0.0051	<0.0051	<0.0051	<0.010	<0.051	<0.0051	<0.0051
A3 Floor 8 Dup.	05/04/2001	4	292250	<0.010	<0.0051	<0.010	<0.0051	<0.0051	<0.0051	<0.010	<0.051	<0.0051	<0.0051
A3 Floor 9	04/25/2001	4	291421	<0.110	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.055	ND	<0.0055	<0.0055
A3 Floor 9	05/04/2001	4	292251	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054
A3 Floor 10	05/04/2001	4.5	292256	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054
A3 Sidewall 1 Subsurface	04/10/2001	4.5	290205	<0.0012	<0.0059	<0.0012	<0.0059	<0.0059	<0.0059	<0.0012	<0.059	<0.0059	<0.0059
A3 Sidewall 2 Subsurface	04/10/2001	3.5	290207	<0.012	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.012	<0.059	<0.0059	<0.0059
A3 Sidewall 3 Subsurface	04/10/2001	4	290209	<0.011	<0.0057	<0.011	<0.0057	<0.0057	<0.011	<0.057	<0.0057	<0.0057	<0.0057
A3 Sidewall 3 Subsurface Dup.	04/10/2001	4	290210	<0.011	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.057	<0.0057	<0.0057
A3 Sidewall 4 Subsurface	04/23/2001	4	291217	<0.011	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.053	<0.0053	<0.0053
A3 Sidewall 6 Subsurface	04/25/2001	2.5	291423	<0.0012	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.059	ND	<0.0059	<0.0059
A3 Sidewall 7 Subsurface	04/25/2001	3	291425	<0.011	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.056	ND	<0.0056	<0.0056
A3 Sidewall 8 Subsurface	05/04/2001	2.5-3	292258	<0.010	<0.0052	<0.010	<0.0052	<0.0052	<0.0052	<0.010	<0.052	<0.0052	<0.0052
A3 Sidewall 9 Subsurface	05/04/2001	3	292264	<0.010	<0.0052	<0.010	<0.0052	<0.0052	<0.0052	<0.010	<0.052	<0.0052	<0.0052
A3 Sidewall 10 Subsurface	05/04/2001	3.5	292266	<0.049	<0.025	<0.049	0.046	<0.025	<0.025	<0.049	<0.250	<0.025	<0.025
A3 Sidewall 10 Subsurface Dup.	05/04/2001	3.5	292267	<0.049	<0.025	<0.049	<0.025	<0.025	<0.025	<0.049	<0.250	<0.025	<0.025
A4 Floor 1	05/04/2001	4	292255	<0.010	<0.0052	<0.010	<0.0052	<0.0052	<0.0052	<0.010	<0.052	<0.0052	<0.0052
A4 Floor 2	05/04/2001	4	292254	<0.010	<0.0051	<0.010	<0.0051	<0.0051	<0.0051	<0.010	<0.051	<0.0051	<0.0051
A4 Sidewall 1 Subsurface	05/04/2001	3	292248	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054
A4 Sidewall 2 Subsurface	05/04/2001	3	292253	<0.011	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.053	<0.0053	<0.0053
A5 Floor 1	05/04/2001	5	292261	<0.011	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.055	<0.0055	<0.0055
A5 Floor 2	05/04/2001	5	292262	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054
A5 Sidewall 1 Subsurface	05/04/2001	4	292241	<0.410	<0.200	<0.410	4.3	<0.200	0.571	<0.410	<2.0	<0.200	<0.200
A5 Sidewall 1 Subsurface Dup.	05/04/2001	4	292242	<0.400	<0.200	<0.400	0.26	<0.200	<0.200	<0.400	<2.0	<0.200	<0.200
A5 Sidewall 2 Subsurface	05/04/2001	4	292244	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054
A5 Sidewall 3 Subsurface	05/04/2001	3.5	292246	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.054	<0.0054	<0.0054
A6 Floor 1	04/25/2001	4	291428	<0.011	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.055	ND	<0.0055	<0.0055
A6 Floor 1 Dup	04/25/2001	4	291429	<0.011	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.055	ND	<0.0055	<0.0055
A6 Floor 2	04/25/2001	3	291430	<0.011	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.0053	ND	<0.0053	<0.0053
A6 Sidewall 1 Subsurface	04/25/2001	2.5	291427	<0.011	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.055	ND	<0.0055	<0.0055
A6 Sidewall 2 Subsurface	04/25/2001	3	291431	<0.011	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.054	ND	<0.0054	<0.0054
A6 Sidewall 3 Subsurface	04/25/2001	3	291433	<0.011	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.056	ND	<0.0056	<0.0056
A7 Floor 2	05/01/2001	5	291862	<2.2	<0.0054	<0.011	<0.110	<0.110	<0.110	<0.054	<0.110	<0.0054	<0.0054
A7 Sidewall 2 Subsurface	05/01/2001	3.5	291860	<0.110	<0.0054	<0.011	<0.0054	<0.0054	<0.0054	<0.054	<0.110	<0.0054	<0.0054
A8 Floor 1	04/10/2001	5	290212	<0.435	<0.223	<0.435	<0.223	<0.223	<0.223	<0.435	<2.23	<0.223	<0.223
A8 Sidewall 1 Subsurface	04/10/2001	3	290213	<0.878	<0.439	<0.878	<0.439	<0.439	<0.439	<0.878	<4.39	<0.439	<0.439
A8 Floor 2	04/10/2001	5	290215	<0.440	<0.220	<0.440	<0.220	<0.220	<0.220	<0.440	<2.2	<0.220	<0.220
A8 Sidewall 2 Subsurface	04/10/2001	3	290216	<0.443	<0.228	<0.443	<0.228	<0.228	<0.228	<0.443	<2.28	<0.228	<0.228
Tier II Residential Cleanup Goals Subsurface Soil[1]				NA	NA	NA	2,524.23	NA	0.897	NA	NA	40.074	0.025
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				NA	NA	NA	10,000	NA	34.67	NA	NA	1,000	0.37

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound is below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds E = result is estimated

Samples analyzed using EPA SW-846 Method 8260

mg/kg = milligrams per kilogram NA = Not Applicable

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

(2) Calculated using surrogate toxicity values and Tier II equations.

(3) Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 13a
Excavation Confirmation Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	1,1-Dichloroethylene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene
A1 Floor 1	05/01/2001	8	291848	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A1 Floor 2	05/01/2001	6	291855	<0.0051	0.093	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
A1 Sidewall 1 Subsurface	05/01/2001	6	291847	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A1 Sidewall 2 Subsurface	05/01/2001	4	291850	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A1 Sidewall 3 Subsurface	05/01/2001	6	291852	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A1 Sidewall 4 Subsurface	05/01/2001	4	291854	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A1 Sidewall 5 Subsurface	05/04/2001	4	292260	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
A2 Floor 1	05/09/2001	9	292408	<0.0054	0.5	0.01	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.2
A2 Floor 1 Dup.	05/09/2001	9	292409	<0.6	0.5	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
A2 Floor 2	05/09/2001	6	292410	<0.13	0.33	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
A2 Floor 3	05/10/2001	7	292576	<0.024	0.2	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	0.067
A2 Floor 4	05/10/2001	6	292577	<0.0054	0.022	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A2 Sidewall 1 Subsurface	05/09/2001	7	292403	<0.12	7.1	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	0.16
A2 Sidewall 2 Subsurface	05/09/2001	4	292405	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A2 Sidewall 3 Subsurface	05/09/2001	4	292407	<0.0057	0.013	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A2 Sidewall 4 Subsurface	05/09/2001	7	292412	<0.12	0.63	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
A2 Sidewall 5 Subsurface	05/10/2001	4.5	292570	<0.0057	0.031	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A2 Sidewall 6 Subsurface	05/10/2001	3	292572	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
A2 Sidewall 7 Subsurface	05/10/2001	5	292574	<0.0056	0.053	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A2 Sidewall 7 Subsurface Dup.	05/10/2001	5	292575	<0.0056	0.019	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A3 Floor 1	04/10/2001	6.5	290203	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A3 Floor 2	04/10/2001	6.5	290204	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A3 Floor 3	04/18/2001	6	290693	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A3 Floor 4	04/18/2001	6	290694	0.0092	0.063	0.0087	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A3 Floor 5	04/23/2001	6-7	291218	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A3 Floor 5 Dup.	04/23/2001	6-7	291219	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A3 Floor 6	04/23/2001	6	291220	<0.0055	0.0062	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A3 Floor 7	04/23/2001	6	291221	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A3 Floor 8	04/25/2001	4	291420	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A3 Floor 8	05/04/2001	4	292249	<0.0051	0.017	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
A3 Floor 8 Dup.	05/04/2001	4	292250	<0.0051	0.012	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
A3 Floor 9	04/25/2001	4	291421	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A3 Floor 9	05/04/2001	4	292251	0.003	2.8	0.020	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A3 Floor 10	05/04/2001	4.5	292256	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A3 Sidewall 1 Subsurface	04/10/2001	4.5	290205	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
A3 Sidewall 2 Subsurface	04/10/2001	3.5	290207	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
A3 Sidewall 3 Subsurface	04/10/2001	4	290209	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A3 Sidewall 3 Subsurface Dup.	04/10/2001	4	290210	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A3 Sidewall 4 Subsurface	04/23/2001	4	291217	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A3 Sidewall 6 Subsurface	04/25/2001	2.5	291423	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
A3 Sidewall 7 Subsurface	04/25/2001	3	291425	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A3 Sidewall 8 Subsurface	05/04/2001	2.5-3	292258	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
A3 Sidewall 9 Subsurface	05/04/2001	3	292264	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
A3 Sidewall 10 Subsurface	05/04/2001	3.5	292266	<0.025	0.27	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
A3 Sidewall 10 Subsurface Dup.	05/04/2001	3.5	292267	<0.025	0.19	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
A4 Floor 1	05/04/2001	4	292255	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
A4 Floor 2	05/04/2001	4	292254	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
A4 Sidewall 1 Subsurface	05/04/2001	3	292248	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A4 Sidewall 2 Subsurface	05/04/2001	3	292253	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A5 Floor 1	05/04/2001	5	292261	<0.0055	0.054	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A5 Floor 2	05/04/2001	5	292262	<0.0054	0.098	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A5 Sidewall 1 Subsurface	05/04/2001	4	292241	<0.200	0.540	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.27
A5 Sidewall 1 Subsurface Dup.	05/04/2001	4	292242	<0.200	0.500	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
A5 Sidewall 2 Subsurface	05/04/2001	4	292244	<0.0054	0.27	0.02	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A5 Sidewall 3 Subsurface	05/04/2001	3.5	292246	<0.0054	1.09	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A6 Floor 1	04/25/2001	4	291428	<0.0055	0.0063	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A6 Floor 1 Dup	04/25/2001	4	291429	<0.0055	0.0068	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A6 Floor 2	04/25/2001	3	291430	<0.0053	0.0017	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A6 Sidewall 1 Subsurface	04/25/2001	2.5	291427	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A6 Sidewall 2 Subsurface	04/25/2001	3	291431	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A6 Sidewall 3 Subsurface	04/25/2001	3	291433	<0.0056	0.0064	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A7 Floor 2	05/01/2001	5	291862	<0.0054	0.011	<0.0054	<0.0054	<0.0054	<0.0054	[redacted]	<0.0054	<0.0054	<0.0054
A7 Sidewall 2 Subsurface	05/01/2001	3.5	291860	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A8 Floor 1	04/10/2001	5	290212	<0.223	<0.223	<0.223	<0.223	<0.223	<0.223	<0.223	<0.223	<0.223	<0.223
A8 Sidewall 1 Subsurface	04/10/2001	3	290213	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439
A8 Floor 2	04/10/2001	5	290215	<0.220	0.418	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220
A8 Sidewall 2 Subsurface	04/10/2001	3	290216	<0.228	0.575	<0.228	<0.228	<0.228	<0.228	<0.228	<0.228	<0.228	<0.228
Tier II Residential Cleanup Goals Subsurface Soil[1]				0.084	17.14	3.23[2]	NA	NA	NA	0.00764[2]	NA	NA	834.372
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				0.080	102.49	193[2]	NA	NA	NA	1.36[2]	NA	NA	1,000
Indicates exceeds the VRP Tier II Non-Residential Cleanup Goal													
Indicates exceeds the VRP Tier II Residential Cleanup Goal													

VOCs = Volatile Organic Compounds E = result is estimated

Samples analyzed using EPA SW-846 Method 8260

mg/kg = milligrams per kilogram NA = Not Applicable

(1) Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

(2) Calculated using surrogate toxicity values and Tier II equations.

(3) Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 13a
Excavation Confirmation Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	Ethyl methacrylate	2-Hexanone	Hexachloro-butadiene	Iodomethane	Isopropylbenzene	p-Isopropyl-toluene	Methylene chloride	Methyl Ethyl Ketone	Methyl(tert) butyl ether (MTBE)	4-Methyl-2-pentanone (MIBK)
A1 Floor 1	05/01/2001	8	291848	<0.053	<0.053	<0.0053	<0.011	<0.0053	<0.0053	<0.027	<0.110	<0.011	<0.053
A1 Floor 2	05/01/2001	6	291855	<0.051	<0.051	<0.092	<0.010	<0.0051	<0.092	<0.026	<0.100	<0.010	<0.051
A1 Sidewall 1 Subsurface	05/01/2001	6	291847	<0.053	<0.053	<0.0053	<0.011	<0.0053	<0.0053	<0.026	<0.110	<0.011	<0.053
A1 Sidewall 2 Subsurface	05/01/2001	4	291850	<0.056	<0.056	<0.0056	<0.011	<0.0056	<0.0056	<0.0028	<0.110	<0.011	<0.056
A1 Sidewall 3 Subsurface	05/01/2001	6	291852	<0.054	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.110	<0.011	<0.054
A1 Sidewall 4 Subsurface	05/01/2001	4	291854	<0.053	<0.053	<0.0053	<0.011	<0.0053	<0.0053	<0.027	<0.110	<0.011	<0.053
A1 Sidewall 5 Subsurface	05/04/2001	4	292260	<0.010	<0.051	<0.0051	<0.010	<0.0051	<0.0051	<0.026	<0.051	<0.010	<0.051
A2 Floor 1	05/09/2001	9	292408	<0.054	<0.054	<0.0054	<0.011	0.52	0.70	<0.027	<0.11	<0.011	<0.054
A2 Floor 1 Dup.	05/09/2001	9	292409	<6.0	<6.0	<0.6	<1.2	<0.6	<0.6	<3.0	<12.1	<1.2	<6.0
A2 Floor 2	05/09/2001	6	292410	<0.055	<1.3	<0.13	<0.26	<0.13	<0.13	<0.65	<2.6	<0.26	<1.3
A2 Floor 3	05/10/2001	7	292576	<0.048	<0.240	<0.024	<0.048	0.28	0.26	<0.120	<0.240	<0.048	<0.240
A2 Floor 4	05/10/2001	6	292577	<0.011	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054
A2 Sidewall 1 Subsurface	05/09/2001	7	292403	<0.056	<1.2	<0.12	<0.24	<0.12	0.19	<0.62	<2.4	<0.24	<1.2
A2 Sidewall 2 Subsurface	05/09/2001	4	292405	<0.056	<0.056	<0.0056	<0.011	<0.0056	<0.0056	<0.28	<0.11	<0.011	<0.056
A2 Sidewall 3 Subsurface	05/09/2001	4	292407	<0.057	<0.057	<0.0057	<0.011	<0.0057	<0.0057	<0.29	<0.11	<0.011	<0.057
A2 Sidewall 4 Subsurface	05/09/2001	7	292412	<0.056	<1.2	<0.12	<0.24	<0.12	<0.12	<0.62	<2.4	<0.24	<1.2
A2 Sidewall 5 Subsurface	05/10/2001	4.5	292570	<0.011	<0.057	<0.0057	<0.011	<0.0057	<0.0057	<0.029	<0.057	<0.011	<0.057
A2 Sidewall 6 Subsurface	05/10/2001	3	292572	<0.012	<0.058	<0.0058	<0.012	<0.0058	<0.0058	<0.029	<0.058	<0.012	<0.058
A2 Sidewall 7 Subsurface	05/10/2001	5	292574	<0.011	<0.056	<0.0056	<0.011	<0.0056	<0.0056	<0.0028	<0.056	<0.011	<0.056
A2 Sidewall 7 Subsurface Dup.	05/10/2001	5	292575	<0.011	<0.056	<0.0056	<0.011	<0.0056	<0.0056	<0.0028	<0.056	<0.011	<0.056
A3 Floor 1	04/10/2001	6.5	290203	<0.011	<0.055	<0.0055	<0.011	<0.0055	<0.0055	<0.027	<0.055	<0.011	<0.055
A3 Floor 2	04/10/2001	6.5	290204	<0.011	<0.055	<0.0055	<0.011	<0.0055	<0.0055	<0.028	<0.055	<0.011	<0.055
A3 Floor 3	04/18/2001	6	290693	<0.011	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054
A3 Floor 4	04/18/2001	6	290694	<0.011	<0.055	<0.0055	<0.011	<0.0055	<0.0055	<0.028	<0.055	<0.011	<0.055
A3 Floor 5	04/23/2001	6-7	291218	<0.011	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054
A3 Floor 5 Dup.	04/23/2001	6-7	291219	<0.011	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054
A3 Floor 6	04/23/2001	6	291220	<0.011	<0.055	<0.0055	<0.011	<0.0055	<0.0055	<0.028	<0.055	<0.011	<0.055
A3 Floor 7	04/23/2001	6	291221	<0.011	<0.056	<0.0056	<0.011	<0.0056	<0.0056	<0.028	<0.056	<0.011	<0.056
A3 Floor 8	04/25/2001	4	291420	<0.056	<0.056	<0.0056	<0.011	<0.0056	<0.0056	[redacted]	<0.111	<0.011	<0.056
A3 Floor 8	05/04/2001	4	292249	<0.010	<0.051	<0.0051	<0.010	<0.0051	<0.0051	<0.026	<0.051	<0.010	<0.051
A3 Floor 8 Dup.	05/04/2001	4	292250	<0.010	<0.051	<0.0051	<0.010	<0.0051	<0.0051	<0.026	<0.051	<0.010	<0.051
A3 Floor 9	04/25/2001	4	291421	<0.055	<0.055	<0.0055	<0.011	<0.0055	<0.0055	<0.028	<0.110	<0.011	<0.055
A3 Floor 9	05/04/2001	4	292251	<0.011	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054
A3 Floor 10	05/04/2001	4.5	292256	<0.011	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054
A3 Sidewall 1 Subsurface	04/10/2001	4.5	290205	<0.012	<0.059	<0.0059	<0.012	<0.0059	<0.0059	<0.030	<0.059	<0.012	<0.059
A3 Sidewall 2 Subsurface	04/10/2001	3.5	290207	<0.012	<0.059	<0.0059	<0.012	<0.0059	<0.0059	<0.029	<0.059	<0.012	<0.059
A3 Sidewall 3 Subsurface	04/10/2001	4	290209	<0.011	<0.057	<0.0057	<0.011	<0.0057	<0.0057	<0.029	<0.057	<0.011	<0.057
A3 Sidewall 3 Subsurface Dup.	04/10/2001	4	290210	<0.011	<0.057	<0.0057	<0.011	<0.0057	<0.0057	[redacted]	<0.057	<0.011	<0.057
A3 Sidewall 4 Subsurface	04/23/2001	4	291217	<0.011	<0.053	<0.0053	<0.011	<0.0053	<0.0053	<0.027	<0.053	<0.011	<0.053
A3 Sidewall 6 Subsurface	04/25/2001	2.5	291423	<0.059	<0.059	<0.0059	<0.012	<0.0059	<0.0059	[redacted]	<0.119	<0.012	<0.059
A3 Sidewall 7 Subsurface	04/25/2001	3	291425	<0.056	<0.056	<0.0056	<0.011	<0.0056	<0.0056	[redacted]	<0.111	<0.011	<0.056
A3 Sidewall 8 Subsurface	05/04/2001	2.5-3	292258	<0.010	<0.052	<0.0052	<0.010	<0.0052	<0.0052	<0.026	<0.052	<0.010	<0.052
A3 Sidewall 9 Subsurface	05/04/2001	3	292264	<0.010	<0.052	<0.0052	<0.010	<0.0052	<0.0052	<0.026	<0.052	<0.010	<0.052
A3 Sidewall 10 Subsurface	05/04/2001	3.5	292266	<0.049	<0.250	<0.025	<0.049	<0.025	<0.025	<0.120	<0.250	<0.049	<0.250
A3 Sidewall 10 Subsurface Dup.	05/04/2001	3.5	292267	<0.049	<0.250	<0.025	<0.049	<0.025	<0.025	<0.130	<0.250	<0.049	<0.250
A4 Floor 1	05/04/2001	4	292255	<0.010	<0.052	<0.0052	<0.010	<0.0052	<0.0052	[redacted]	<0.052	<0.010	<0.052
A4 Floor 2	05/04/2001	4	292254	<0.010	<0.051	<0.0051	<0.010	<0.0051	<0.0051	[redacted]	<0.051	<0.010	<0.051
A4 Sidewall 1 Subsurface	05/04/2001	3	292248	<0.011	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054
A4 Sidewall 2 Subsurface	05/04/2001	3	292253	<0.011	<0.053	<0.0053	<0.011	<0.0053	<0.0053	<0.026	<0.053	<0.011	<0.053
A5 Floor 1	05/04/2001	5	292261	<0.011	<0.055	<0.0055	<0.011	0.018	0.01	<0.027	<0.055	<0.011	<0.055
A5 Floor 2	05/04/2001	5	292262	<0.011	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054
A5 Sidewall 1 Subsurface	05/04/2001	4	292241	<0.410	<2.0	<0.200	<0.410	<0.200	<0.200	<1.0	<2.0	<0.410	<2.0
A5 Sidewall 1 Subsurface Dup.	05/04/2001	4	292242	<0.400	<2.0	<0.200	<0.400	<0.200	<0.200	<1.0	<2.0	<0.400	<2.0
A5 Sidewall 2 Subsurface	05/04/2001	4	292244	<0.011	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054
A5 Sidewall 3 Subsurface	05/04/2001	3.5	292246	<0.011	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.054	<0.011	<0.054
A6 Floor 1	04/25/2001	4	291428	<0.055	<0.055	<0.0055	<0.011	<0.0055	<0.0055	[redacted]	<0.110	<0.011	<0.055
A6 Floor 1 Dup	04/25/2001	4	291429	<0.055	<0.055	<0.0055	<0.011	<0.0055	<0.0055	[redacted]	<0.109	<0.011	<0.055
A6 Floor 2	04/25/2001	3	291430	<0.053	<0.053	<0.0053	<0.011	<0.0053	<0.0053	[redacted]	<01.06	<0.011	<0.053
A6 Sidewall 1 Subsurface	04/25/2001	2.5	291427	<0.055	<0.055	<0.0055	<0.011	<0.0055	<0.0055	[redacted]	<0.111	<0.011	<0.055
A6 Sidewall 2 Subsurface	04/25/2001	3	291431	<0.054	<0.054	<0.0054	<0.011	<0.0054	<0.0054	[redacted]	<0.108	<0.011	<0.054
A6 Sidewall 3 Subsurface	04/25/2001	3	291433	<0.056	<0.056	<0.0056	<0.011	<0.0056	<0.0056	[redacted]	<0.11	<0.011	<0.0056
A7 Floor 2	05/01/2001	5	291862	<0.054	<0.054	<0.110	<0.011	<0.0054	<0.110	<0.027	<0.110	<0.011	<0.054
A7 Sidewall 2 Subsurface	05/01/2001	3.5	291860	<0.054	<0.054	<0.0054	<0.011	<0.0054	<0.0054	<0.027	<0.110	<0.011	<0.054
A8 Floor 1	04/10/2001	5	290212	<0.435	<2.23	<0.223	<0.435	<0.223	<0.223	<1.090	<2.23	<0.435	<2.23
A8 Sidewall 1 Subsurface	04/10/2001	3	290213	<0.878	<4.39	<0.439	<0.878	<0.439	<0.439	<2.2	<4.39	<0.878	<4.39
A8 Floor 2	04/10/2001	5	290215	<0.440	<2.2	<0.220	<0.440	<0.220	<0.220	<1.1	<2.2	<0.440	<2.2
A8 Sidewall 2 Subsurface	04/10/2001	3	290216	<0.443	<2.28	<0.228	<0.443	<0.228	<0.228	<1.13	<2.28	<0.443	<2.28
[redacted]													
Tier II Residential Cleanup Goals Subsurface Soil[1]				NA	NA	6.777	NA	185[2]	441[2]	0.0255[2]	11.62	NA	68.147
[redacted]													
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				NA	NA	31.18	NA	185[2]	1,000[2]	10.9[2]	146.24	NA	407.48
[redacted]													
[redacted]													

VOCs = Volatile Organic Compounds E = result is estimated
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 13a
Excavation Confirmation Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	Naphthalene	n-Propyl-benzene	Styrene	1,1,1,2-Tetrachloro-ethane	1,1,2,2-Tetrachloro-ethane	Tetrachloroethene	Toluene	1,2,3-Trichloro-benzene	1,2,4-Trichloro-benzene	1,1,1-Trichloroethane
A1 Floor 1	05/01/2001	8	291848	<0.027	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A1 Floor 2	05/01/2001	6	291855	<0.460	<0.092	<0.0051	<0.0051	<0.092	0.011	<0.0051	<0.092	<0.092	<0.0051
A1 Sidewall 1 Subsurface	05/01/2001	6	291847	<0.026	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A1 Sidewall 2 Subsurface	05/01/2001	4	291850	<0.028	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A1 Sidewall 3 Subsurface	05/01/2001	6	291852	<0.027	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A1 Sidewall 4 Subsurface	05/01/2001	4	291854	<0.027	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A1 Sidewall 5 Subsurface	05/04/2001	4	292260	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
A2 Floor 1	05/09/2001	9	292408	<0.027	5.7	<0.0054	<0.0054	<0.0054	1.	0.17	<0.0054	<0.0054	<0.0054
A2 Floor 1 Dup.	05/09/2001	9	292409	<3.0	<0.6	<0.6	<0.6	<0.6	3.6	<0.6	<0.6	<0.6	<0.6
A2 Floor 2	05/09/2001	6	292410	<0.65	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
A2 Floor 3	05/10/2001	7	292576	0.26	0.52	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
A2 Floor 4	05/10/2001	6	292577	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A2 Sidewall 1 Subsurface	05/09/2001	7	292403	<0.62	0.21	<0.12	<0.12	<0.12	1.	<0.12	<0.12	<0.12	<0.12
A2 Sidewall 2 Subsurface	05/09/2001	4	292405	<0.028	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A2 Sidewall 3 Subsurface	05/09/2001	4	292407	<0.029	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A2 Sidewall 4 Subsurface	05/09/2001	7	292412	<0.62	<0.12	<0.12	<0.12	<0.12	1.	<0.12	<0.12	<0.12	<0.12
A2 Sidewall 5 Subsurface	05/10/2001	4.5	292570	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A2 Sidewall 6 Subsurface	05/10/2001	3	292572	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
A2 Sidewall 7 Subsurface	05/10/2001	5	292574	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A2 Sidewall 7 Subsurface Dup.	05/10/2001	5	292575	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A3 Floor 1	04/10/2001	6.5	290203	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A3 Floor 2	04/10/2001	6.5	290204	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A3 Floor 3	04/18/2001	6	290693	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A3 Floor 4	04/18/2001	6	290694	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A3 Floor 5	04/23/2001	6-7	291218	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.015	<0.0054	<0.0054	<0.0054
A3 Floor 5 Dup.	04/23/2001	6-7	291219	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.014	<0.0054	<0.0054	<0.0054
A3 Floor 6	04/23/2001	6	291220	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.022	<0.0055	<0.0055	<0.0055
A3 Floor 7	04/23/2001	6	291221	NA	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.023	<0.0056	<0.0056	<0.0056
A3 Floor 8	04/25/2001	4	291420	NA	<0.0056	<0.0056	<0.0056	<0.0056	0.013	<0.0056	<0.0056	<0.0056	<0.0056
A3 Floor 8	05/04/2001	4	292249	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
A3 Floor 8 Dup.	05/04/2001	4	292250	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
A3 Floor 9	04/25/2001	4	291421	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A3 Floor 9	05/04/2001	4	292251	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A3 Floor 10	05/04/2001	4.5	292256	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A3 Sidewall 1 Subsurface	04/10/2001	4.5	290205	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
A3 Sidewall 2 Subsurface	04/10/2001	3.5	290207	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
A3 Sidewall 3 Subsurface	04/10/2001	4	290209	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A3 Sidewall 3 Subsurface Dup.	04/10/2001	4	290210	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
A3 Sidewall 4 Subsurface	04/23/2001	4	291217	NA	<0.0053	<0.053	<0.0053	<0.0053	<0.0053	<0.021	<0.0053	<0.0053	<0.0053
A3 Sidewall 6 Subsurface	04/25/2001	2.5	291423	NA	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
A3 Sidewall 7 Subsurface	04/25/2001	3	291425	NA	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A3 Sidewall 8 Subsurface	05/04/2001	2.5-3	292258	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
A3 Sidewall 9 Subsurface	05/04/2001	3	292264	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
A3 Sidewall 10 Subsurface	05/04/2001	3.5	292266	<0.025	<0.025	<0.025	<0.025	<0.025	0.021	<0.025	<0.025	<0.025	<0.025
A3 Sidewall 10 Subsurface Dup.	05/04/2001	3.5	292267	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
A4 Floor 1	05/04/2001	4	292255	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
A4 Floor 2	05/04/2001	4	292254	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
A4 Sidewall 1 Subsurface	05/04/2001	3	292248	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A4 Sidewall 2 Subsurface	05/04/2001	3	292253	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A5 Floor 1	05/04/2001	5	292261	0.02	0.023	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A5 Floor 2	05/04/2001	5	292262	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A5 Sidewall 1 Subsurface	05/04/2001	4	292241	0.43	0.59	<0.200	<0.200	<0.200	1.	<0.200	<0.200	<0.200	<0.200
A5 Sidewall 1 Subsurface Dup.	05/04/2001	4	292242	<0.200	<0.200	<0.200	<0.200	<0.200	1.	<0.200	<0.200	<0.200	<0.200
A5 Sidewall 2 Subsurface	05/04/2001	4	292244	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A5 Sidewall 3 Subsurface	05/04/2001	3.5	292246	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A6 Floor 1	04/25/2001	4	291428	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A6 Floor 1 Dup	04/25/2001	4	291429	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A6 Floor 2	04/25/2001	3	291430	NA	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
A6 Sidewall 1 Subsurface	04/25/2001	2.5	291427	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
A6 Sidewall 2 Subsurface	04/25/2001	3	291431	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
A6 Sidewall 3 Subsurface	04/25/2001	3	291433	NA	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
A7 Floor 2	05/01/2001	5	291862	<0.540	<0.110	<0.0054	<0.0054	<0.110	0.042	<0.0054	<0.110	<0.110	<0.0054
A7 Sidewall 2 Subsurface	05/01/2001	3.5	291860	<0.027	<0.0054	<0.0054	<0.0054	<0.0054	0.0098	<0.0054	<0.0054	<0.0054	<0.0054
A8 Floor 1	04/10/2001	5	290212	<0.223	<0.223	<0.223	<0.223	<0.223	<0.223	<0.223	<0.223	<0.223	<0.223
A8 Sidewall 1 Subsurface	04/10/2001	3	290213	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439	<0.439
A8 Floor 2	04/10/2001	5	290215	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220
A8 Sidewall 2 Subsurface	04/10/2001	3	290216	0.773	0.719	<0.228	<0.228	<0.228	<0.228	<0.228	<0.228	<0.228	<0.228
Tier II Residential Cleanup Goals Subsurface Soil[1]				1,767.785	33.5[2]	NA	0.076	0.044	0.227	278.926	NA	235.033	229.642
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				10,000	972[2]	410,000[3]	7.24	0.21	8.01	1,000	NA	1,405.37	1,000

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound below the VRP Tier II Residential Cleanup Goal

VOCs = Volatile Organic Compounds E = result is estimated
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

Table 13a
Excavation Confirmation Subsurface Soil Analytical Results for VOCs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoro-methane	1,2,3-Trichloro-propane	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl acetate	Vinyl chloride	Xylenes, Total
A1 Floor 1	05/01/2001	8	291848	<0.0053	0.0079	<0.0053	<0.0053	<0.0053	<0.0053	<0.053	<0.011	<0.016
A1 Floor 2	05/01/2001	6	291855	<0.0051	[redacted]	<0.0051	<0.0051	<0.092	<0.092	<0.051	<0.010	<0.015
A1 Sidewall 1 Subsurface	05/01/2001	6	291847	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.053	<0.011	<0.016
A1 Sidewall 2 Subsurface	05/01/2001	4	291850	<0.0056	[redacted]	<0.0056	<0.0056	<0.0056	<0.0056	<0.056	<0.011	<0.017
A1 Sidewall 3 Subsurface	05/01/2001	6	291852	<0.0054	0.0051	<0.0054	<0.0054	<0.0054	<0.0054	<0.054	<0.011	<0.016
A1 Sidewall 4 Subsurface	05/01/2001	4	291854	<0.0053	0.035	<0.0053	<0.0053	<0.0053	<0.0053	<0.053	<0.011	<0.016
A1 Sidewall 5 Subsurface	05/04/2001	4	292260	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.010	<0.0051
A2 Floor 1	05/09/2001	9	292408	<0.0054	50	<0.0054	<0.0054	[redacted]	1.2	<0.054	<0.011	1.9
A2 Floor 1 Dup.	05/09/2001	9	292409	<0.6	82	<0.6	<0.6	[redacted]	<0.6	<6.0	<1.2	<1.8
A2 Floor 2	05/09/2001	6	292410	<0.13	[redacted]	<0.13	<0.13	<0.13	<0.13	<1.3	<0.26	<0.38
A2 Floor 3	05/10/2001	7	292576	<0.024	<0.024	<0.024	<0.024	[redacted]	1.3	<0.048	<0.048	2.1
A2 Floor 4	05/10/2001	6	292577	<0.0054	0.012	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	0.035
A2 Sidewall 1 Subsurface	05/09/2001	7	292403	<0.12	[redacted]	<0.12	<0.12	[redacted]	0.32	<1.2	<0.24	0.3
A2 Sidewall 2 Subsurface	05/09/2001	4	292405	<0.0056	0.0059	<0.0056	<0.0056	<0.0056	<0.0056	<0.056	<0.011	<0.017
A2 Sidewall 3 Subsurface	05/09/2001	4	292407	<0.0057	0.022	<0.0057	<0.0057	<0.0057	<0.0057	<0.057	<0.011	<0.017
A2 Sidewall 4 Subsurface	05/09/2001	7	292412	<0.12	[redacted]	<0.12	<0.12	<0.12	<0.12	<1.2	<0.24	<0.37
A2 Sidewall 5 Subsurface	05/10/2001	4.5	292570	<0.0057	[redacted]	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.011	<0.0057
A2 Sidewall 6 Subsurface	05/10/2001	3	292572	<0.0058	0.0078	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.012	<0.0058
A2 Sidewall 7 Subsurface	05/10/2001	5	292574	<0.0056	[redacted]	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.011	<0.0056
A2 Sidewall 7 Subsurface Dup.	05/10/2001	5	292575	<0.0056	[redacted]	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.011	<0.0056
A3 Floor 1	04/10/2001	6.5	290203	<0.0055	0.017	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.011	<0.0055
A3 Floor 2	04/10/2001	6.5	290204	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.011	<0.0055
A3 Floor 3	04/18/2001	6	290693	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
A3 Floor 4	04/18/2001	6	290694	<0.0055	[redacted]	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.011	<0.0055
A3 Floor 5	04/23/2001	6-7	291218	<0.0054	0.075	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
A3 Floor 5 Dup.	04/23/2001	6-7	291219	<0.0054	0.068	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
A3 Floor 6	04/23/2001	6	291220	<0.0055	0.011	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.011	<0.0055
A3 Floor 7	04/23/2001	6	291221	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.011	<0.0056
A3 Floor 8	04/25/2001	4	291420	<0.0056	0.078	<0.0056	<0.0056	<0.0056	<0.0056	<0.056	<0.011	<0.017
A3 Floor 8	05/04/2001	4	292249	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.010	<0.0051
A3 Floor 8 Dup.	05/04/2001	4	292250	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.010	<0.0051
A3 Floor 9	04/25/2001	4	291421	<0.0055	0.010	<0.0055	<0.0055	0.043	<0.0055	<0.055	<0.011	<0.017
A3 Floor 9	05/04/2001	4	292251	<0.0054	62	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
A3 Floor 10	05/04/2001	4.5	292256	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
A3 Sidewall 1 Subsurface	04/10/2001	4.5	290205	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0012	<0.0012	<0.0059
A3 Sidewall 2 Subsurface	04/10/2001	3.5	290207	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.012	0.0065
A3 Sidewall 3 Subsurface	04/10/2001	4	290209	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.011	<0.0057
A3 Sidewall 3 Subsurface Dup.	04/10/2001	4	290210	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.011	<0.0057
A3 Sidewall 4 Subsurface	04/23/2001	4	291217	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.011	<0.0053
A3 Sidewall 6 Subsurface	04/25/2001	2.5	291423	<0.0059	[redacted]	<0.0059	<0.0059	<0.0059	<0.0059	<0.059	<0.012	<0.018
A3 Sidewall 7 Subsurface	04/25/2001	3	291425	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.056	<0.011	<0.017
A3 Sidewall 8 Subsurface	05/04/2001	2.5-3	292258	<0.0052	0.034	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.010	<0.0052
A3 Sidewall 9 Subsurface	05/04/2001	3	292264	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.010	<0.0052
A3 Sidewall 10 Subsurface	05/04/2001	3.5	292266	<0.025	[redacted]	<0.025	<0.025	<0.025	<0.025	<0.049	<0.049	<0.025
A3 Sidewall 10 Subsurface Dup.	05/04/2001	3.5	292267	<0.025	[redacted]	<0.025	<0.025	<0.025	<0.025	<0.049	<0.049	<0.025
A4 Floor 1	05/04/2001	4	292255	<0.0052	[redacted]	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.010	<0.0052
A4 Floor 2	05/04/2001	4	292254	<0.0051	0.00050	<0.0051	<0.0051	<0.0051	<0.0051	<0.010	<0.010	<0.0051
A4 Sidewall 1 Subsurface	05/04/2001	3	292248	<0.0054	0.068	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
A4 Sidewall 2 Subsurface	05/04/2001	3	292253	<0.0053	0.0076	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.011	<0.0053
A5 Floor 1	05/04/2001	5	292261	<0.0055	[redacted]	<0.0055	<0.0055	0.100	0.100	<0.011	<0.011	<0.0055
A5 Floor 2	05/04/2001	5	292262	<0.0054	0.027	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
A5 Sidewall 1 Subsurface	05/04/2001	4	292241	<0.200	39	<0.200	<0.200	<0.200	<0.200	<0.410	<0.410	<0.200
A5 Sidewall 1 Subsurface Dup.	05/04/2001	4	292242	<0.200	52	<0.200	<0.200	<0.200	<0.200	<0.400	<0.400	<0.200
A5 Sidewall 2 Subsurface	05/04/2001	4	292244	<0.0054	[redacted]	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
A5 Sidewall 3 Subsurface	05/04/2001	3.5	292246	<0.0054	[redacted]	<0.0054	<0.0054	<0.0054	<0.0054	<0.011	<0.011	<0.0054
A6 Floor 1	04/25/2001	4	291428	<0.0055	<0.0055	<0.0056	<0.0056	<0.0056	<0.0056	<0.055	<0.011	<0.017
A6 Floor 1 Dup	04/25/2001	4	291429	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.055	<0.011	<0.016
A6 Floor 2	04/25/2001	3	291430	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.016
A6 Sidewall 1 Subsurface	04/25/2001	2.5	291427	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.055	<0.011	<0.017
A6 Sidewall 2 Subsurface	04/25/2001	3	291431	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.054	<0.011	<0.016
A6 Sidewall 3 Subsurface	04/25/2001	3	291433	<0.0056	0.041	<0.0056	<0.0056	<0.0056	<0.0056	<0.056	<0.011	<0.017
A7 Floor 2	05/01/2001	5	291862	<0.0054	[redacted]	<0.0054	<0.110	<0.110	<0.0054	<0.054	<0.011	<0.016
A7 Sidewall 2 Subsurface	05/01/2001	3.5	291860	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.054	<0.011	<0.016
A8 Floor 1	04/10/2001	5	290212	<0.223	[redacted]	<0.223	<0.223	<0.223	<0.223	<0.435	<0.435	<0.223
A8 Sidewall 1 Subsurface	04/10/2001	3	290213	<0.439	[redacted]	<0.439	<0.439	<0.439	<0.439	<0.878	<0.878	<0.220
A8 Floor 2	04/10/2001	5	290215	<0.220	[redacted]	<0.220	<0.220	<0.220	<0.220	<0.440	<0.440	<0.220
A8 Sidewall 2 Subsurface	04/10/2001	3	290216	<0.228	<0.228	<0.228	<0.228	[redacted]	0.56	<0.443	<0.443	<0.24
[redacted]												
Tier II Residential Cleanup Goals Subsurface Soil[1]				0.035	0.076	281[2]	NA	1.59[2]	1.74[2]	NA	0.129	1,000
[redacted]												
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				1.05	25.73	1,000[2]	NA	306[2]	124[2]	NA	0.13	1,000
[redacted]												
[redacted]												

VOCs = Volatile Organic Compounds E = result is estimated
Samples analyzed using EPA SW-846 Method 8260
mg/kg = milligrams per kilogram NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Source: EPA Region 3 Risk-Based Concentration Table - October 1998 Update

EXCAVATION CONFIRMATION SUBSURFACE SOIL ANALYTICAL RESULTS FOR PAHs

Table 13b
Excavation Confirmation Subsurface Soil Analytical Results for PAHs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene
A1 Floor 1	05/01/2001	8	291848	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A1 Floor 2	05/01/2001	6	291855	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A1 Sidewall 1 Subsurface	05/01/2001	6	291847	<0.35	<0.35	<0.35	<0.35	0.37	<0.35	0.42	<0.35
A1 Sidewall 2 Subsurface	05/01/2001	4	291850	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A1 Sidewall 3 Subsurface	05/01/2001	6	291852	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A1 Sidewall 4 Subsurface	05/01/2001	4	291854	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A1 Sidewall 5 Subsurface	05/04/2001	4	292260	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A2 Floor 1	05/09/2001	9	292408	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A2 Floor 1 Dup.	05/09/2001	9	292409	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A2 Floor 2	05/09/2001	6	292410	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A2 Floor 3	05/10/2001	7	292576	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A2 Floor 4	05/10/2001	6	292577	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A2 Sidewall 1 Subsurface	05/09/2001	7	292403	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A2 Sidewall 2 Subsurface	05/09/2001	4	292405	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A2 Sidewall 3 Subsurface	05/09/2001	4	292407	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A2 Sidewall 4 Subsurface	05/09/2001	7	292412	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A2 Sidewall 5 Subsurface	05/10/2001	4.5	292570	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A2 Sidewall 6 Subsurface	05/10/2001	3	292572	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A2 Sidewall 7 Subsurface	05/10/2001	5	292574	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A2 Sidewall 7 Subsurface Dup.	05/10/2001	5	292575	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Floor 1	04/10/2001	6.5	290203	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 2	04/10/2001	6.5	290204	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 3	04/18/2001	6	290693	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 4	04/18/2001	6	290694	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 5	04/24/2001	6-7	291218	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 5 Dup.	04/23/2001	6-7	291219	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 6	04/23/2001	6	291220	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Floor 7	04/23/2001	6	291221	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Floor 8	04/25/2001	4	291420	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Floor 8	05/04/2001	4	292249	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A3 Floor 8 Dup.	05/04/2001	4	292250	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A3 Floor 9	04/25/2001	4	291421	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 9	05/04/2001	4	292251	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 10	05/04/2001	4.5	292256	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Sidewall 1 Subsurface	04/10/2001	4.5	290205	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.36	<0.39
A3 Sidewall 2 Subsurface	04/10/2001	3.5	290207	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
A3 Sidewall 3 Subsurface	04/10/2001	4	290209	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A3 Sidewall 3 Subsurface Dup.	04/10/2001	4	290210	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A3 Sidewall 4 Subsruface	04/23/2001	4	291217	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A3 Sidewall 6 Subsurface	04/25/2001	2.5	291423	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
A3 Sidewall 7 Subsurface	04/25/2001	3	291425	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Sidewall 8 Subsurface	05/04/2001	2.5-3	292258	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A3 Sidewall 9 Subsurface	05/04/2001	3	292264	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A3 Sidewall 10 Subsurface	05/04/2001	3.5	292266	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A3 Sidewall 10 Subsurface Dup.	05/04/2001	3.5	292267	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A4 Floor 1	05/04/2001	4	292255	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A4 Floor 2	05/04/2001	4	292254	<0.34	<0.34	<0.34	0.56	0.5	0.43	0.41	0.46
A4 Sidewall 1 Subsurface	05/04/2001	3	292248	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A4 Sidewall 2 Subsurface	05/04/2001	3	292253	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A5 Floor 1	05/04/2001	5	292261	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A5 Floor 2	05/04/2001	5	292262	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A5 Sidewall 1 Subsurface	05/04/2001	4	292241	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A5 Sidewall 1 Subsurface Dup.	05/04/2001	4	292242	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A5 Sidewall 2 Subsurface	05/04/2001	4	292244	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A5 Sidewall 3 Subsurface	05/04/2001	3.5	292246	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A6 Floor 1	04/25/2001	4	291428	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A6 Floor 1 Dup	04/25/2001	4	291429	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A6 Floor 2	04/25/2001	3	291430	<0.35	<0.35	<0.35	0.75	0.87	0.86	<0.35	0.72
A6 Sidewall 1 Subsurface	04/25/2001	2.5	291427	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A6 Sidewall 2 Subsurface	04/25/2001	3	291431	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A6 Sidewall 3 Subsurface	04/25/2001	3	291433	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A7 Floor 2	05/01/2001	5	291862	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A7 Sidewall 2 Subsurface	05/01/2001	3.5	291860	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A8 Floor 1	04/10/2001	5	290212	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A8 Sidewall 1 Subsurface	04/10/2001	3	290213	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A8 Floor 2	04/10/2001	5	290215	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A8 Sidewall 2 Subsurface	04/10/2001	3	290216	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Tier II Residential Cleanup Goals Subsurface Soil[1]				10,000	0.425[2]	10,000	103.881	69.849	354.977	6,330[2]	501.638
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				10,000	1,280[2]	10,000	103.88	69.85	354.98	8,760[2]	3,759.12

Detected compound exceeds the Tier II Non-Residential Cleanup Goal

Detected compound exceeds the Tier II Residential Cleanup Goal

PAHs = Polynuclear Aromatic Hydrocarbons

Samples analyzed using EPA SW-846 Method 8310

mg/kg = micrograms per kilogram NA = Not Applicable

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of EnvironmentalResponse, July 1996

[2] Calculated using surrogate toxicity values and Tier II equations.

[3] Tier I Health Protective Levels for Phenanthrene, Iodomethane and Acrolein Technical Memo by Indiana Voluntary Remediation Program, Dated 4/21/98

Table 13b
Excavation Confirmation Subsurface Soil Analytical Results for PAHs (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Depth Sampled (feet)	Lab Sample No.	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
A1 Floor 1	05/01/2001	8	291848	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A1 Floor 2	05/01/2001	6	291855	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A1 Sidewall 1 Subsurface	05/01/2001	6	291847	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A1 Sidewall 2 Subsurface	05/01/2001	4	291850	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A1 Sidewall 3 Subsurface	05/01/2001	6	291852	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A1 Sidewall 4 Subsurface	05/01/2001	4	291854	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A1 Sidewall 5 Subsurface	05/04/2001	4	292260	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A2 Floor 1	05/09/2001	9	292408	<0.36	<0.36	<0.36	<0.36	<0.36	0.58	<0.36	<0.36
A2 Floor 1 Dup.	05/09/2001	9	292409	<0.36	<0.36	<0.36	<0.36	<0.36	0.37	<0.36	<0.36
A2 Floor 2	05/09/2001	6	292410	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A2 Floor 3	05/10/2001	7	292576	<0.36	<0.36	<0.36	<0.36	<0.36	0.54	<0.36	<0.36
A2 Floor 4	05/10/2001	6	292577	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A2 Sidewall 1 Subsurface	05/09/2001	7	292403	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A2 Sidewall 2 Subsurface	05/09/2001	4	292405	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A2 Sidewall 3 Subsurface	05/09/2001	4	292407	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A2 Sidewall 4 Subsurface	05/09/2001	7	292412	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A2 Sidewall 5 Subsurface	05/10/2001	4.5	292570	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A2 Sidewall 6 Subsurface	05/10/2001	3	292572	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A2 Sidewall 7 Subsurface	05/10/2001	5	292574	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A2 Sidewall 7 Subsurface Dup.	05/10/2001	5	292575	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Floor 1	04/10/2001	6.5	290203	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 2	04/10/2001	6.5	290204	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 3	04/18/2001	6	290693	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 4	04/18/2001	6	290694	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 5	04/24/2001	6-7	291218	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 5 Dup.	04/23/2001	6-7	291219	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 6	04/23/2001	6	291220	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Floor 7	04/23/2001	6	291221	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Floor 8	04/25/2001	4	291420	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Floor 8	05/04/2001	4	292249	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A3 Floor 8 Dup.	05/04/2001	4	292250	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A3 Floor 9	04/25/2001	4	291421	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 9	05/04/2001	4	292251	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Floor 10	05/04/2001	4.5	292256	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A3 Sidewall 1 Subsurface	04/10/2001	4.5	290205	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
A3 Sidewall 2 Subsurface	04/10/2001	3.5	290207	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
A3 Sidewall 3 Subsurface	04/10/2001	4	290209	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A3 Sidewall 3 Subsurface Dup.	04/10/2001	4	290210	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
A3 Sidewall 4 Subsruface	04/23/2001	4	291217	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A3 Sidewall 6 Subsurface	04/25/2001	2.5	291423	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
A3 Sidewall 7 Subsurface	04/25/2001	3	291425	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A3 Sidewall 8 Subsurface	05/04/2001	2.5-3	292258	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A3 Sidewall 9 Subsurface	05/04/2001	3	292264	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A3 Sidewall 10 Subsurface	05/04/2001	3.5	292266	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A3 Sidewall 10 Subsurface Dup.	05/04/2001	3.5	292267	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A4 Floor 1	05/04/2001	4	292255	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
A4 Floor 2	05/04/2001	4	292254	0.56	<0.34	0.2	<0.34	<0.34	<0.34	0.65	0.9
A4 Sidewall 1 Subsurface	05/04/2001	3	292248	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A4 Sidewall 2 Subsurface	05/04/2001	3	292253	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A5 Floor 1	05/04/2001	5	292261	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A5 Floor 2	05/04/2001	5	292262	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A5 Sidewall 1 Subsurface	05/04/2001	4	292241	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A5 Sidewall 1 Subsurface Dup.	05/04/2001	4	292242	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A5 Sidewall 2 Subsurface	05/04/2001	4	292244	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A5 Sidewall 3 Subsurface	05/04/2001	3.5	292246	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
A6 Floor 1	04/25/2001	4	291428	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A6 Floor 1 Dup	04/25/2001	4	291429	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A6 Floor 2	04/25/2001	3	291430	0.80	<0.35	0.6	<0.35	<0.35	<0.35	<0.35	0.8
A6 Sidewall 1 Subsurface	04/25/2001	2.5	291427	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A6 Sidewall 2 Subsurface	04/25/2001	3	291431	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A6 Sidewall 3 Subsurface	04/25/2001	3	291433	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A7 Floor 2	05/01/2001	5	291862	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A7 Sidewall 2 Subsurface	05/01/2001	3.5	291860	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A8 Floor 1	04/10/2001	5	290212	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
A8 Sidewall 1 Subsurface	04/10/2001	3	290213	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A8 Floor 2	04/10/2001	5	290215	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
A8 Sidewall 2 Subsurface	04/10/2001	3	290216	<0.40	<0.40	<0.40	<0.40	<0.40	0.63	<0.40	<0.40
Tier II Residential Cleanup Goals Subsurface Soil[1]				379.273	69.863	2,305.040	8,838.641	629.166	1,761.785	260[3]	10,000
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				10,000	69.86	10,000	10,000	629.17	10,000	260[3]	10,000

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal

Detected compound exceeds the VRP Tier II Residential Cleanup Goal

PAHs = Polynuclear Aromatic Hydrocarbons
Samples analyzed using EPA SW-846 Method 8310
mg/kg = micrograms per kilogram NA = Not Applicable
[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of EnvironmentalResponse, July 1996
[2] Calculated using surrogate toxicity values and Tier II equations.
[3] Tier I Health Protective Levels for Phenanthrene, Iodomethane and Acrolein Technical Memo by Indiana Voluntary Remediation Program, Dated 4/21/98

EXCAVATION CONFIRMATION SUBSURFACE SOIL ANALYTICAL RESULTS FOR METALS

Table 13c
Excavation Confirmation Subsurface Soil Analytical Results for Metals (mg/kg)
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRP #6991004
KERAMIDA Project No. 2829E

Sample No.	Date Sampled	Sampled (feet)	Lab Sample No.	Total Cadmium	Total Chromium	Total Lead
A1 Floor 1	05/01/2001	8	291848	<0.53	20	700
A1 Floor 2	05/01/2001	6	291855	1.7	30	1,400
A1 Sidewall 1 Subsurface	05/01/2001	6	291847	1.5	15	390
A1 Sidewall 2 Subsurface	05/01/2001	4	291850	4.3	18	540
A1 Sidewall 3 Subsurface	05/01/2001	6	291852	1.1	8.4	120
A1 Sidewall 4 Subsurface	05/01/2001	4	291854	<0.53	6.5	7.7
A1 Sidewall 5 Subsurface	05/04/2001	4	292260	<0.51	2.9	<4.1
A2 Floor 1	05/09/2001	9	292408	<0.54	2.4	6.0
A2 Floor 1 Dup.	05/09/2001	9	292409	<0.55	2.3	<4.4
A2 Floor 2	05/09/2001	6	292410	<0.55	3.7	8.7
A2 Floor 3	05/10/2001	7	292576	<0.55	8.7	130
A2 Floor 4	05/10/2001	6	292577	<0.54	5.4	9.9
A2 Sidewall 1 Subsurface	05/09/2001	7	292403	<0.56	4.0	<4.4
A2 Sidewall 2 Subsurface	05/09/2001	4	292405	<0.56	9.4	13
A2 Sidewall 3 Subsurface	05/09/2001	4	292407	2.4	17	280
A2 Sidewall 4 Subsurface	05/09/2001	7	292412	<0.56	4.9	6.3
A2 Sidewall 5 Subsurface	05/10/2001	4.5	292570	<0.57	11	9.4
A2 Sidewall 6 Subsurface	05/10/2001	3	292572	<0.58	16	37
A2 Sidewall 7 Subsurface	05/10/2001	5	292574	<0.56	5.6	<4.5
A2 Sidewall 7 Subsurface Dup.	05/10/2001	5	292575	<0.56	7.2	9.8
A3 Floor 1	04/10/2001	6.5	290203	<0.55	9.2	170
A3 Floor 2	04/10/2001	6.5	290204	<0.55	6.1	90
A3 Floor 3	04/18/2001	6	290693	<0.54	5.6	25
A3 Floor 4	04/18/2001	6	290694	4.1	20	530
A3 Floor 5	04/23/2001	6-7	291218	<0.54	7.8	6.8
A3 Floor 5 Dup.	04/23/2001	6-7	291219	<0.54	5.8	<4.3
A3 Floor 6	04/23/2001	6	291220	<0.55	12	111
A3 Floor 7	04/23/2001	6	291221	<0.56	6.8	14
A3 Floor 8	04/25/2001	4	291420	<0.56	9.0	30
A3 Floor 8	05/04/2001	4	292249	<0.51	5.1	130
A3 Floor 8 Dup.	05/04/2001	4	292250	9.6	7.7	88
A3 Floor 9	04/25/2001	4	291421	<0.55	8.3	15
A3 Floor 9	05/04/2001	4	292251	<0.54	3.9	8.3
A3 Floor 10	05/04/2001	4.5	292256	<0.54	4.8	5.4
A3 Sidewall 1 Subsurface	04/10/2001	4.5	290205	<0.59	20	59
A3 Sidewall 2 Subsurface	04/10/2001	3.5	290207	0.68	18	50
A3 Sidewall 3 Subsurface	04/10/2001	4	290209	<0.57	16	9.7
A3 Sidewall 3 Subsurface Dup.	04/10/2001	4	290210	<0.57	17	5.5
A3 Sidewall 4 Subsurface	04/23/2001	4	291217	<0.53	6.5	<4.2
A3 Sidewall 6 Subsurface	04/25/2001	2.5	291423	<0.59	9.1	26
A3 Sidewall 7 Subsurface	04/25/2001	3	291425	<0.56	12	5.1
A3 Sidewall 8 Subsurface	05/04/2001	2.5-3	292258	18	30	990
A3 Sidewall 9 Subsurface	05/04/2001	3	292264	<5.2	12	<4.2
A3 Sidewall 10 Subsurface	05/04/2001	3.5	292266	<0.54	5.1	<4.3
A3 Sidewall 10 Subsurface Dup.	05/04/2001	3.5	292267	<0.54	4.6	4.4
A4 Floor 1	05/04/2001	4	292255	3.6	12	410
A4 Floor 2	05/04/2001	4	292254	0.63	5.1	90
A4 Sidewall 1 Subsurface	05/04/2001	3	292248	<0.54	5.8	5.9
A4 Sidewall 2 Subsurface	05/04/2001	3	292253	<0.53	12	97
A5 Floor 1	05/04/2001	5	292261	<0.55	14	220
A5 Floor 2	05/04/2001	5	292262	<0.54	4.6	17
A5 Sidewall 1 Subsurface	05/04/2001	4	292241	<0.53	4.7	7.6
A5 Sidewall 1 Subsurface Dup.	05/04/2001	4	292242	<0.54	4.7	6.8
A5 Sidewall 2 Subsurface	05/04/2001	4	292244	<0.54	4.3	13
A5 Sidewall 3 Subsurface	05/04/2001	3.5	292246	<0.54	16	45
A6 Floor 1	04/26/2001	4	291428	<0.55	5.4	11
A6 Floor 1 Dup.	04/25/2001	4	291429	<0.55	4.9	10
A6 Floor 2	04/25/2001	3	291430	<0.53	9.6	94
A6 Sidewall 1 Subsurface	04/25/2001	2.5	291427	<0.55	6.5	8.6
A6 Sidewall 2 Subsurface	04/25/2001	3	291431	<0.54	5.5	5.5
A6 Sidewall 3 Subsurface	04/25/2001	3	291433	<5.6	5.4	8.7
A7 Floor 2	05/01/2001	5	291862	<0.54	5.2	5.8
A7 Sidewall 2 Subsurface	05/01/2001	3.5	291860	<0.54	8.9	15
A8 Floor 1	04/10/2001	5	290212	0.88	13	212
A8 Sidewall 1 Subsurface	04/10/2001	3	290213	<0.55	7.1	13
A8 Floor 2	04/10/2001	5	290215	<0.55	4.2	13
A8 Sidewall 2 Subsurface	04/10/2001	3	290216	<0.60	7.7	34
Tier II Residential Cleanup Goals Subsurface Soil[1]				730	7,300	400 [2]
Tier II Non-Residential Cleanup Goals Subsurface Soil[1]				730	7,300	1,000 [2]

Detected compound exceeds the VRP Tier II Non-Residential Cleanup Goal
Detected compound exceeds the VRP Tier II Residential Cleanup Goal
Detected compound is below the VRP Tier II Residential Cleanup Goal

Samples analyzed using EPA Method Series 6000/7000 mg/kg = milligrams per kilogram

[1] Indiana Department of Environmental Management Voluntary Remediation Program Resource Guide, Appendix F Tier II Cleanup Goals-Human Health Evaluation by Office of Environmental Response, July 1996

[2] IDEM VRP Interoffice Memo dated on January 26, 1998