FACILITY ASSESSMENT REPORT

LOCKHEED MARTIN CORPORATION

GREAT NECK, NEW YORK

Prepared for

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1 INTRODUCTION

On behalf of Lockheed Martin Corporation (LMC), EMCON prepared the following Facility Assessment Report (FA) for the Lockheed Martin Corporation Facility, located at 365 Lakeville Road, Great Neck, New York (Figure 1). The FA was conducted to identify, quantify and document all materials of environmental concern within the Great Neck facility. Based on the findings of the FA, recommendations are provided for the decontamination and/or removal of materials prior to demolition or transfer of the property.

This FA includes a description of the facility and the objectives of the project in Section 1. Section 2 provides the technical approach used in performing the assessment (including the identification of the materials assessed, the determination for the need to collect samples, and the sampling methods used in the field) as well as a summary of applicable regulatory requirements. The FA findings are presented in Section 3. Recommendations for the decontamination and/or removal of specific areas or materials within the facility are presented in Section 4.

1.1 Facility Description

The Lockheed Martin Great Neck Facility is located on Long Island, New York in western Nassau County, and in both the Town of North Hempstead and the Incorporated Village of Lake Success. The facility is bounded on the north by Marcus Avenue, on the west by Lakeville Road, on the south by Union Turnpike, and to the east by the Triad Office Park (Figure 2). The facility can be accessed by car on either the Northern State Parkway or the Long Island Expressway by utilizing the Lakeville Road exit off of either roadway. The mailing address of the facility is 365 Lakeville Road, Great Neck, New York 11020-1696.

The facility presently encompasses 94 acres. The majority of the property is either under roof (approximately 1,400,000 square feet), or utilized for parking.

The largest building at the site is the Main Manufacturing Building, which building is approximately 1,000,000 square feet in size. Attached to this building on the north side is the Administration Building, which occupies approximately 200,000 square feet. The Administration Building is of brick and steel construction, and three stories tall. The brick and steel Main Manufacturing Building is two stories in height, with wooden block flooring. In some areas the wooden block flooring has been replaced with concrete.

South of the Main Manufacturing Building, and on the western portion of the property, is the Foundry and Environmental Test Building. The Environmental Test Building is attached to the west end of the Foundry Building. Both buildings are of similar construction to the Main Building. The Foundry building ceased operations as a foundry in 1960. To the east of the Foundry Building is the Boiler House Building, and further east is the Maintenance Garage Building. Several small out buildings also exist which are used for equipment storage, maintenance, guard booths, and pump houses.

The buildings are heated by natural gas. Number 6 fuel oil is stored on site and used as a backup fuel supply. Cooling, is currently provided through the use of chillers.

Documentation provided by LMC with respect to the use of hazardous materials and waste generated at the site while in operation, are provided in the Facility Assessment Work Plan (EMCON, August 1997).

1.2 Project Objectives

The purpose of this FA was to identify and quantify hazardous materials associated with the on-site structures which may require special handling prior to property transfer and/or the demolition. EMCON employed applicable American Society of Testing and Materials (ASTM), Asbestos Hazard Emergency Response Act (AHERA), National Emission Standard for Hazardous Air Pollutants (NESHAP), and current acceptable industry sampling procedures to evaluate the building materials.

The primary components of the FA included the following:

- A facility survey to identify typical items within the buildings that contain hazardous materials, such as, fluorescent lights and fixtures, batteries, mercury-containing thermostats, etc.
- The collection of samples of various building materials for asbestos and paint analysis as well as the collection of environmental media samples of residues, oils, and dust that remain in various locations around the facility.
- The development of detailed floor plans of the buildings identifying the location of hazardous materials of concern.
- The quantification of hazardous materials and residues that may require decontamination or removal.

Recommendations made for the decontamination or removal of any materials identified during the FA were based on the following:

- An evaluation of the location, accessibility, and quantity of the hazardous materials identified.
- An assessment of the physical condition of the hazardous materials identified.
- Applicable action levels and regulations, and how these may apply to the facility given current disposition plans.

2 FACILITY ASSESSMENT APPROACH

EMCON conducted the FA at the Great Neck facility from September 15 through October 10, 1997. The FA consisted of inspecting and sampling various building features and materials which could potentially contain hazardous materials. The FA approach was based on a facility inspection as well as a review of reports documenting previous investigations and decontamination and decommissioning activities, including a report prepared by Eagle Industrial Hygiene Association, Inc. (1995).

Specific tasks performed during the FA included the following:

- **Facility Survey** — A facility survey was conducted to identify various items and materials of environmental concern.
- **Asbestos Survey** — An asbestos survey was conducted by a New York-licensed asbestos consultant to evaluate, sample, and quantify asbestos-containing materials (ACM) within the facility.
- **Paint Survey** — A paint survey was performed to evaluate various painted building surfaces for the presence of lead, chromium, and zinc.
- **Environmental Sampling** — Materials and building features containing potentially hazardous materials were identified and samples collected for laboratory analysis to determine the presence or absence of specific contaminants of concern. The sampling and analytical plan developed for the FA was based on information derived from the site inspection, LMC personnel interviews, and previous reports prepared by others.

Further details of the FA approach and field methods employed for each task are provided in Sections 2.1 through 2.4.

2.1 Facility Survey

EMCON conducted a room-by-room survey of each building as part of this project. The survey was conducted to identify and document the following items of concern:

- **Fluorescent Light Bulbs** — The number of fluorescent light bulbs in each building was quantified by bulb size (e.g., 2, 4, or 8 feet).

- **Fluorescent Light Ballasts** — The number of fluorescent light ballasts were quantified by counting the number of ballasts per fixture in each sectional area and extrapolating using building square footage information. Representative lighting fixtures (approximately 2 percent) were opened and inspected to determine if the ballasts contained polychlorinated biphenyls (PCBs). Each fluorescent light fixture also contains a ballast capacitor that potentially could contain either PCBs or di(2-ethylhexyl) phthalate (DEHP) as a dielectric fluid. These compounds are hazardous and require appropriate disposal if building demolition is intended.

- **High-Intensity Discharge (HID) Lights** — HID light fixtures may contain hazardous material (i.e., mercury vapor, metal halide, and high-pressure sodium) which requires appropriate disposal if building demolition is intended. During the FA, the number of HID lights in each building was quantified.

- **Batteries** — Many common batteries in Exit signs, emergency lights, security alarm systems and large back-up battery packs contain lead and acid that require appropriate disposal. During the FA, the number of batteries in each building was quantified.

- **Mercury-Containing Items** — Common building features, such as thermostats and soft-contact switches, may contain mercury that require appropriate disposal. During the FA, the number of mercury-containing items in each building was quantified, including the estimated quantity of mercury contained in the equipment.

- **Equipment Containing Chlorofluorocarbons (CFCs)** — Refrigeration equipment, including drinking water fountains, chillers, and air conditioners (including window-mounted units) may contain CFCs that require appropriate disposal or recycling. For each unit the type, model, and manufacturer were documented, including estimated quantities of CFCs.

- **Electrical Equipment, Generators, and Transformers** — Electrical equipment, including transformers, filtron filters and generators were identified and documented, including the location, condition, type, size, and PCB content.

- **Miscellaneous Features** — Hazardous waste storage areas, satelite hazardous waste accumulation areas, and below grade structures such as sumps, and machine pits were identified and documented, including location and existing condition.

- **Wood Block Flooring** - The areas containing wood block flooring were identified and quantified.

Inventories were prepared for planning the disposition of transformers and other PCB-containing power equipment, lighting fixtures, mercury switches, emergency lighting equipment and exit signs.

Based upon inventory activities and the sampling results, areas within the plant were identified which will require material removal, cleaning and/or decontamination prior to facility demolition. A listing of these areas is presented in Section 4 — Recommendations.

2.2 Asbestos Survey

An inspection was performed of the Great Neck facility to determine the extent of the asbestos sampling that would be required for the FA. The asbestos survey identified the location, quantity, type, and condition of asbestos-containing material (ACM) within the interior and exterior portions of the facility. ACM is defined as any building material that contains more than 1 percent asbestos. The asbestos sampling for the FA followed AHERA protocols. All suspect ACM was identified and classified by unique "homogeneous sampling areas". A homogeneous material is any material like in color, texture and serves a similar function (i.e., floor tile, roofing, pipe insulation, etc.). These materials are further divided into three categories: "surface material" (SM), "thermal insulation" (TSI), and "miscellaneous material" (M), and a determination made as to whether the material is friable or non-friable.

During the inspection, a survey of the "functional spaces" was also performed to identify spatially distinct units within each building. These spaces included: offices, classrooms, storage rooms, bathrooms, mechanical spaces, shafts, fan rooms, equipment rooms, air plenums, etc. Each space or room was given a number to identify ACM sample locations. These spaces are depicted with the room numbers on the attached drawings for sample location purposes.

The sampling was performed by inspectors certified by the New York State Department of Health (NYSDOH), and in accordance with proper procedures so as not to create an exposure during sampling as well to ensure the safety and health of the asbestos inspector and occupants of the facility. Sample locations were chosen based on accessibility and representativeness of the particular homogeneous sampling areas. The sample identification number (that is shown on the drawings) has three components: a room number, a homogeneous sampling area identifier, and the number of the sample for a particular homogeneous area. The samples were collected, placed in plastic bags and tied and labeled, prior to shipment to the EMSL Analytical Inc., a NYSDOH-certified laboratory, for analysis. All samples were recorded on chain-of-custody forms signed by the inspector. A minimum of 3 samples and maximum of 9 samples for each homogenous sampling area were collected. If one sample was determined to be positive, the entire homogeneous area is considered positive. As such, the laboratory did not analyze subsequent samples once the first positive was confirmed within a particular homogeneous area.

A total of 663 samples of suspect ACM were collected as part of the FA. A detailed description of the ACM sampling and the analytical results are presented in Section 3.2. Table 1 presents a listing of all suspect ACM identified during the inspection of the Great Neck facility.

Only one portion of the report, prepared by Alternative Ways, Inc. (1989), was used in documenting previous laboratory analysis for ACM. Sampling was not performed on the existing pipe insulation as the previous asbestos survey performed by Alternative Ways Inc. included extensive sampling of all the mechanical insulation. The results of this survey, however, was used to determine the quantity and location of ACM on mechanical systems.

2.3 Paint Survey

The paint survey portion of this investigation was conducted to evaluate the presence of painted surfaces that may contain lead, chromium or zinc, and identify the building components and locations where such paint exists. An inspection was performed to identify all the different color and types of paint used at the facility. One paint chip sample (representing each different type of paint identified) was collected and sent to EMSL Analytical, Inc. for lead , chromium, and zinc analysis. A paint chip sample containing equal to or greater than 0.5 percent lead by weight is considered lead-based paint. No similar criteria applies to either chromium or zinc-containing paints.

Sample locations were chosen based on accessibility and to insure that the sample represents a unique testing combination using color, substrate and building component as parameters. Samples consisted of 4 square-inch paint chips collected using a scrapper and a heat gun. Each sample was placed in a plastic bag and given a unique sample identification number. Each sample location was also tagged with the corresponding sample number. A total of 43 samples were collected from various building components throughout the facility. The samples were obtained by inspectors who successfully completed an EPA-approved Lead-Based Paint Inspector's course.

2.4 Environmental Sampling

Based on the site inspection, a review of the documents provided by LMC and personnel interviews, EMCON identified a number of locations where residual liquids or solids exist. Areas targeted included: sumps, former machine locations, paint booths, process areas, and hazardous materials storage areas. Based on the reported usage of each feature, samples were analyzed for either volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), metals, total petroleum hydrocarbons (TPHC) or a combination of these parameters. No subsurface soil samples were collected during this assessment. A description of the areas and materials that were sampled and the analyses performed is presented in Table 2. Samples were collected and handled in accordance with standard industry practice. The samples were recorded on chain-of-custody forms and shipped to EMSL Analytical, Inc. for analysis.

2.5 Regulatory Requirements

Federal, State, and local regulations were reviewed as part of the FA to provide guidance with respect to the following issues:

- Sample and analytical parameter selection.

- Worker safety and health requirements to be followed during the FA as well as during building decontamination and demolition activities.

- Potential waste disposal considerations resulting from building decontamination and/or demolition.

Applicable ACM regulations which must be followed by all abatement contractors during either asbestos removal for re-occupancy and/or demolition, include:

- USEPA NESHAP, 40 CFR Part 61
- OSHA Standards, 29 CFR 1926.1101, 1926.58 and 29 CFR 1910.1001
- New York State Industrial Code Rule 56

The regulations which apply to renovation or demolition work that will disturb areas with lead-based paint, include:

- OSHA 29 CFR 1926.62, Lead Standard for the Construction Industry

The New York State Department of Environmental Conservation does not have specific regulations governing cleanup levels for hazardous substances associated with buildings that will be demolished. As such, Federal and State regulations regarding the classification of materials as hazardous or non-hazardous waste based on its Toxicity Characteristic and/or PCB concentrations would apply. Applicable regulations include:

- 40 CFR 261, Identification and Listing of Hazardous Waste
- 6 NYCRR Part 371, Identification and Listing of Hazardous Waste
- 40 CFR 761.60, PCB Disposal Requirements

No Federal, State, or local regulations exist for building renovation where hazardous materials (excluding asbestos or lead-paint) are found. Available Federal guidelines that could be considered include USEPA's Health Effects Summary Tables (HEAST).

3 FINDINGS

A summary of the results for each task performed during the LMC Great Neck FA is presented in the following sections. All sampling analytical results are summarized in tables, with the corresponding sampling locations shown in figures for each building. All samples collected as part of the FA were identified with the prefix GN to indicate that the sample was collected at the Great Neck facility. The first letter(s) following the "GN" prefix indicates the type of sample and/or media that was collected (i.e., WB-Wood Block). The final two digits represent the sequential order in which each sample type was collected.

3.1 Facility Survey

EMCON conducted a room-by-room survey of each of the Great Neck buildings to identify and quantify items of concern. The following items were identified during the facility survey:

- Fluorescent lights and ballasts
- High-intensity discharge (HID) lights
- Batteries contained in exit signs, emergency lights, and alarm control boxes
- Mercury-containing thermostats and switches
- Equipment containing CFCs — air conditioning and refrigeration equipment
- Electrical equipment containing PCBs
- Miscellaneous features: hazardous material storage areas, satellite hazardous waste accumulation areas, machine pits, sumps, and floor drains
- Wood block flooring

The items contained in each building are discussed below.

3.1.1 Light Fixtures

Fluorescent Lights and Ballasts

A total of 28,646 fluorescent light bulbs were identified according to the number and size of each bulb. A summary of the fluorescent light bulbs is presented in Table 3.

Each fluorescent light fixture contains a ballast. As previously noted, fluorescent light fixture ballasts typically contain either PCBs or di(2-ethylhexyl)phthalate (DEHP) in the capacitors. During the lighting assessment, each type of light fixture was opened and the ballast inspected for labels indicating PCB content.

Based on the number and types of fluorescent light fixtures identified, 12,604 lighting ballasts are estimated within the Great Neck facility. Based on the ballasts that were inspected it can be estimated that 5,674 ballasts contain PCBs and 6,930 are non-PCB. The non-PCB ballasts potentially could contain DEHP as this substance was used as a replacement for PCBs from 1979 to 1991.

DEHP in its pure form is listed as a hazardous waste under the Resource Conservation and Recovery Act (RCRA). However, once it has been used in a lighting ballast, it is no longer hazardous as defined by RCRA (see 40 CFR 261.33, Part 261 Appendix VII, Section 268.34 and Section 268.43).

DEHP is regulated under CERCLA — the Superfund law. The "Reportable Quantity" (RQ) of DEHP under CERCLA is 100 pounds (see 40 CFR, Section 302.4). This means that if you are disposing of 100 pounds or more of the material in a 24-hour period (approximately 1,600 fluorescent lighting ballasts), you are required to notify the National Resource Center at (800) 424-8802. It also means that parties involved with the disposal of DEHP ballasts may be held liable under Superfund if clean up of the DEHP is required.

A summary of the number ballasts estimated in each building are included in Table 4. No samples were collected for either PCBs or DEHP.

High-Intensity Discharge (HID) Lights

A total of 56 metal halide lights were located within the Foundry Building. The exterior portions of the buildings had a total of 18 sodium vapor lights. There were also 124 incandescent bulbs located throughout the facility. A summary of the quantities is included in Table 3.

No samples were collected.

3.1.2 Batteries

Lead-acid storage batteries contained in exit signs and 15 emergency lights were identified within the Great Neck facility. As presented in Table 5, one exit sign and one emergency light with lead-acid batteries were identified. The power sources for these fixtures were opened and examined. The emergency light was found to contain two, 6-volt lead-acid batteries. The exit sign was powered by a single, 6-volt battery. The low number of batteries associated with exit signs and emergency lighting is attributable to these devices being directly wired to a back-up generator. In addition, 24 lead-acid batteries (car size) were located in the battery room within the Service Building. These batteries are currently used as computer backup.

No samples were collected.

3.1.3 Mercury-Containing Equipment

A total of two thermostats containing mercury were identified within the Great Neck facility. The low number of mercury-containing thermostats is due to the fact that greater than 99 percent of the facility is equipped with Johnson Air Control devices for thermostatic temperature control. Only thermostats containing mercury were inventoried as part of the FA.

A total of 35 "Mercoid" mercury switches were identified during the FA. The mercoid switches were associated with air conditioning and refrigeration units, steam flow meters and compressors. Approximately 100 pounds of mercury was identified throughout the facility: 96 pounds of which is located in the boiler house. A summary of the mercury-containing equipment is located in Table 6.

No samples were collected.

3.1.4 Air Conditioning and Refrigeration Equipment

Refrigeration equipment, air conditioners, and drinking water fountains that may contain CFCs were identified within the Great Neck facility. The various types of CFC-containing equipment noted during the facility survey are summarized in Table 7. If information was available from existing reports or equipment name plates, the type and quantity of refrigerant used in each unit was included in Table 7. No samples were collected since the inventory identified the type and approximate quantity of CFCs associated with the equipment. Equipment such as water coolers were being removed from service on an ongoing basis during the FA.

A small suspect refrigeration unit was located at Column O-11 within the Manufacturing Building. The unit was associated with a previous process that is currently unknown. No samples were obtained due to the absence of an identifiable sample location and safety concerns regarding chemicals that may be contained within the unit. Sampling of this apparatus at a later date is recommended prior to equipment sale or salvage.

3.1.5 Electrical Equipment

Seven large transformers owned by LMC are located in a fenced enclosure behind the Boiler House Building. Table 8 provides a summary of the size and types of transformers.

These large transformers are oil-cooled, and reportedly do not contain PCBs (i.e., less than 50 ppm). The area was inspected for signs surficial staining on or adjacent to the transformers from previous leaks and/or spills. One surficial stain was located on the southeast side of Transformer 1. A surficial soil sample (GN-RS-12) was collected for PCB analysis. No PCBs were detected.

The High Power Test Lab within the Foundry Building also contains equipment that has both PCB and non-PCB dielectric fluids. A summary of this equipment is also included in Table 8. Each of these units was previously tested on June 13, 1995, by Eastern Environmental Testing.

Transformer certification reports and laboratory results are located in Appendix C.

3.1.6 Miscellaneous Features

A number of miscellaneous features, including hazardous material storage areas, satellite hazardous waste accumulation areas, sumps, and machine pits were identified at the Great Neck facility. During the facility survey, each of these locations were inspected to determine if sample collection and analysis would be required based on observations and/or knowledge of past activities. Areas identified as potentially containing or having been impacted by hazardous materials were sampled to characterize the nature and significance of the material. Analysis for each area or material identified was dependent on the potential constituents of concern associated with the material or processes. Sampling results are provided in Section 3.4.

Table 2 summarizes the samples collected, including the types of materials sampled, the locations of samples, and the analysis performed.

3.1.7 Wood Block Flooring

The wood block flooring located in the Main Manufacturing Building encompasses approximately 50,990 square feet. A total of 17 sample locations were identified throughout the facility based on areas that had evidence of petroleum or chemical-type staining from past or current operations.

3.2 Asbestos Survey Sampling

A total of 663 samples of suspect ACM were collected from the Great Neck facility. A summary of the suspect ACM material sampled by building including a sample location figure reference is presented in Table 9. Figures 3 through 28 depict the asbestos sampling locations for each building area.

Tables 10 through 19 summarize the ACM sampling results. Laboratory reports are provided in Appendix A. Photographs of the locations that tested positive for ACM are included in Appendix B, labeled with the sample number for each location.

In general, ACM was found in the following buildings, locations, and materials:

- Plaster ceilings in the stairwells of the Administration Building, kitchen area, and mens and ladies room in the Service Building.
- All plaster ceilings throughout the facility (based on AHERA protocol).
- Window caulking in all buildings except the garage and environmental building.
- Spray-on fireproofing material in one section of the Manufacturing Building.
- All pipe and equipment insulation throughout that is not fiberglass. This includes all cement fitting insulation and piping that is found in the pipe trenches between the buildings.
- Ducts that are located on the roof of the Manufacturing Building with a weatherproof coating.
- Transite material located in the cooling towers and several locations that are walls for mechanical equipment rooms.
- Refractory material and gasket material, which is installed on the old boilers in the boiler house.
- Joint compound from the wallboard in selected areas of the Administration Building, the Service Building, and the Manufacturing Building. Based on AHERA protocol, sufficient areas tested positive that all joint compound throughout the facility is considered ACM.

Roofing materials that tested positive for ACM include roof flashing in all of the buildings and the following built up roofing areas:

- Penthouse of the Administration Building.

- All the fan rooms located on the Manufacturing Building.

- Approximately 20 locations where patching of the Manufacturing Building roof was performed within the last 15 years.

- The bays and monitors between Column F to Column L on the Manufacturing Building.

- The Maintenance Building, and the various security posts, throughout the facility.

Based on the results of the laboratory analysis and the condition of the ACM material, a hazard assessment was performed. This assessment involves assessing the condition of the material, its friability, quantity, and potential for disturbance based on the location of the material. Using these factors, a hazard ranking 1 to 7 is assigned — 1 representing material with the least potential to pose a hazard, and 7 the highest potential for posing a hazard (refer to Table 20). The hazard rating is important for maintenance of any ACM left in place.

Table 21 lists all homogeneous areas that are ACM. The table shows all locations, quantities, percent of asbestos, hazard rating, and referenced drawings and photos. Using this table, and the reference drawings, Figures 29 through 55, a determination can be made as to what actions will be required for the management of ACM as part of any future use of the buildings.

3.3 Paint Survey Sampling

A total of 43 paint chip samples were collected at the Great Neck facility to evaluate the presence and extent of lead, chromium, or zinc paint within the facility. Figures 56 through 60 indicate the approximate paint chip sampling locations.

Paint chip analytical results are summarized in Table 22. The results indicate 24 samples were positive for lead and that most painted surfaces of the original structure (especially the steel beams, the radar towers, and older doors and walls) are lead-containing. The condition of the lead painted surfaces vary from very poor and scaling to good and intact. There were 7 samples for chromium and 23 for zinc that were greater than 5 percent by weight.

Laboratory reports for the paint chip samples are provided in Appendix A. Photographs labeled with the sample number for each location, are provided in Appendix B.

3.4 Environmental Sampling

Environmental media samples were collected from various locations around the facility based on past uses and observations made during the facility survey. Analytical parameters were chosen based on the material found, the historical uses, and the potential contaminants associated with the uses. A summary of the samples collected for chemical analysis is presented in Table 2. In addition, Table 2 also provides a description of the type of material sampled and the sample location. Figures 61 through 66 depict the sampling locations selected for the facility.

Concentrations for total metals, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) were evaluated for their potential to be considered a hazardous waste based on the Toxicity Characteristic. This evaluation was done by dividing the analytical result by a factor of 20 to permit comparison to the Toxicity Characteristic Leaching Procedure (TCLP) standards. The TCLP laboratory procedure requires that samples be diluted by a ratio of 20:1 when preparing the sample for acidic extraction and subsequent leachate analysis. By using the 20 factor, it is assumed that the entire mass of the contaminant present in the sample would leach out during the extraction process if the actual TCLP procedure was performed. This approach is conservative and the actual TCLP concentrations are likely to be somewhat less.

A summary of the analytical results obtained from the sampling program is provided in Table 23. Appendix A contains copies of the complete laboratory reports, including appropriate QA/QC information and chain-of-custody forms. A discussion of the results by building is presented in the sections which follow.

3.4.1 Manufacturing Building

Hazardous Waste Storage Areas

Twelve samples were collected from various hazardous waste storage rooms (Oil Storage, Groundwater Reclamation, Paint Storage, Flammable Storage, Corrosive Storage, Oxidizer Storage, and Chemical Storage Container) within the Main Manufacturing Building.

Two concrete chip samples (GN-CC-03 and GN-CC-4) were collected in the Groundwater Reclamation Room and analyzed for PCBs, RCRA metals, and TPH. Sample GN-CC-03 was found to have both lead (340 mg/kg) and cadmium (34 mg/kg) above the TCLP levels. GN-CC-04 was non-detect for all parameters analyzed. Two wipe samples were also collected from the floor of the Groundwater Reclamation Room and analyzed for PCBs (GN-W-13) and for RCRA metals (GN-W-14). GN-W-13 was non-detect for PCBs, and GN-W-14 was found to have a lead concentration of 220 ug/cm ft^2.

Two concrete chip samples (GN-CC-02 and GN-CC-05) were collected in the Oil Storage Room and analyzed for PCBs, RCRA metals, and TPH. GN-CC-02 was found to be non-detect for these parameters. GN-CC-05 was found to have a lead concentration of 140 mg/kg, which exceed the TCLP limit.

One wipe sample (GN-W-17) was collected from the Oil Storage Room, and analyzed for PCBs. GN-W-17 was found to be non-detect for PCBs.

One residue/sludge sample (GN-RS-14) was collected from the Oil Storage Room and analyzed for VOCs, SVOCs, PCBs, TPH, and RCRA metals. GN-RS-14 was found to be non-detect for VOCs and SVOCs. The lead concentrations in this sample was 140 mg/kg which exeeeds TCLP limits, and TPH concentrations were also elevated at 12,000 mg/kg. PCB concentrations were 16 mg/kg.

A wipe sample was collected from the floor of each of the Flammable (GN-W-03), Oxidizer (GN-W-04), and Corrosive (GN-W-05) Storage Rooms and analyzed for PCBs and RCRA metals. All of these samples were non-detect for PCBs and well below the TCLP levels. The floors in these rooms are coated with an epoxy floor paint and extremely clean.

Two wipe samples (GN-W-15 and GN-W-16) were collected from the floor of the Chemical Storage Container located outside the entrance to the Oil Storage Room and analyzed for RCRA metals and PCBs, respectively. Sample GN-W-15 was found to have a lead concentration of 230 ug/cm ft^2, and sample GN-W-16 was non-detect for PCBs. One residue sample (GN-RS-13) was collected from the floor of the Chemical Storage Container. Sample GN-RS-13 was found to have concentrations of cadmium (48 mg/kg), chromium (560 mg/kg), lead (3,500 mg/kg), and mercury (37 mg/kg) which all exceed TCLP levels.

One residue sample (GN-RS-07) was collected from the floor of the Paint Storage Room and analyzed for RCRA metals, VOCs, and SVOCs. GN-RS-07 was found to be non-detect for VOCs and SVOCs. The results for RCRA metals were all below TCLP levels.

Penn Plax

No environmental samples were collected in the 160,000-square foot portion of the Manufacturing Building, currently occupied by the tenant, Penn Plax. The heat treatment pit which was to be investigated was found filled with concrete upon detailed inspection.

Wood Block Flooring

Seventeen (17) samples of wood block flooring were collected throughout the Main Manufacturing Building. These samples were analyzed for PCBs, VOCs, SVOCs, RCRA metals, and TPH. Only 5 of the samples were detected to have trace quantities of PCBs below the 50 mg/kg TSCA limit. All of the samples (with the exception of GN-WB-06) had a TPH as diesel value greater than 10,000 mg/kg. Thirteen (13) of the samples had lead levels above the TCLP unit of 5 mg/kg. Five (5) samples (GN-WB-01, -02, -03, -04, and -05) had mercury levels above the TCLP limit. The sample locations for the wood block flooring are depicted in Figure 66.

Based on the results obtained, all of the wood block is considered hazardous for one parameter or another. A volume of 1,800 cubic yards is estimated for all the wood block flooring. Figure 66 also depicts the footprint of wood block for the manufacturing facility.

Miscellaneous Areas

One composite sediment sample (GN-RS-01) was collected from 2 sumps located in the former Short Order Machine Shop and analyzed for RCRA metals and PCBs. The sample had a total PCB concentration of 72 mg/kg, and elevated levels of heavy metals for cadmium (29 mg/kg), chromium (880 mg/kg), lead (540 mg/kg), and mercury (14 mg/kg), all of which exceed TCLP.

One residue sample (GN-RS-03) was collected from the channel surrounding the Numerical Coding Machine which is located in the Former Plating Room. The sample was analyzed for RCRA metals, PCBs, and TPH, and was found to have elevated levels of chromium (2,400 mg/kg) and lead (170 mg/kg) above the TCLP levels.

One wipe sample (GN-W-01) was collected from the air conditioning unit adjacent to the Former Beryllium Room and was found to be non-detect for beryllium.

3.4.2 Administration/Service Building

One sample (GN-RS-02) was collected from the sump in the Old Photo Processing Room and analyzed for PCBs, SVOCs, and VOCs. This sample was found to be non-detect for these parameters. One residue sample (GN-RS-05) and one wipe sample (GN-W-02) was collected from the Battery Room and analyzed for corrosivity and RCRA metals, respectively. The residue sample was found to have a pH of 3.47, and the wipe sample had elevated levels of lead (7.2 ug/ft^{+2}), and chromium (110 ug/ft^{+2}) which is below the TCLP level using the 20 rule.

3.4.3 Foundry Building

Four areas of concern were identified within the Foundry Building: the South Basement Sump, Scorsby Pits, High Power Test Lab, and Vacuum Chamber/Shaker Table Area. Environmental samples were collected in each of these areas and their respective locations are depicted in Figure 63. A summary of the results is provided below.

South Basement Sump

A sludge sample (GN-RS04), obtained from the sump located in the South Basement was found to contain elevated levels of PCBs (4,600 mg/kg) and heavy metal (42 mg/kg) cadmium, (290 mg/kg) chromium (870 mg/kg), lead, and (23 mg/kg) of mercury and TPH as diesel (16,000 mg/kg). All of these levels are well above regulatory cleanup goals. The sump is still in operation and discharges to the sedimentation ponds on-site.

Scorsby Pits

Three Scorsby Pits were identified within the Foundry Building (Figure 64). These mechanical devices are located below the floor and are not currently in operation. All these pits were visually inspected from floor level. The pits were dry and did not have signs of leaks or spills. One pit was entered and a sample of oily material obtained from the secondary pit below the apparatus. Analysis for PCBs and TPH was performed and was non-detect for both parameters.

High Power Test Lab

Two wipe samples (GN-W-10 and GN-W-12) for PCBs were collected from two locations on the floor of the High Power Test Lab, which had petroleum-type stains. GN-W10 was collected at the base of the Oil Evacuator, located at the southeast corner of this room, and was found to be non-detect. Sample GN-W-12 was collected on the floor approximately 6 inches to the east of the caged transformer located in the northeast portion of this room, and was also found to be non-detect for PCBs.

Three vaults located below the floor within this room were visually inspected and were found to be dry with no evidence of chemical or petroleum-type stains. No samples were collected from these vaults.

Vacuum Chamber/Shaker Table Area

Three wipe samples (GN-W-07,08, and 09) were collected of oil residue/stains on the floor surface associated with the Shaker Table and Vacuum Chamber. These samples were analyzed for PCBs and were found non-detect.

Cooling Tower

Two samples (GN-RS-10 and GN-RS-1) were collected for RCRA metals and pesticides/herbicides, respectively, from the cooling tower located outside the Foundry Building near the entrance to the AEGIS room. Sample GN-RS-10 was found to have an elevated lead concentration (400 mg/kg) which exceeds the TCLP level. Sample GN-RS-11 was non-detect for pesticides and herbicides. The sample location is depicted in Figure 63.

3.4.4 Maintenance Garage

One wipe sample (GN-W-06) and one concrete chip sample (GN-CC-01) were collected from the floor of the Maintenance Garage and analyzed for PCBs and TPH. Both samples were below applicable regulatory levels. Sample locations are depicted in Figure 64.

3.4.5 Boiler House

One sample (GN-RS-06) was collected for PCBs, RCRA metals, and TPH from a typical pipe chase channel located approximately 6 inches below the floor of the Boiler House. Elevated levels of lead (130 mg/kg) were found in this location which exceed TCLP limits using the 20 rule. Sample location is depicted in Figure 65.

4 RECOMMENDATIONS

The information obtained during the FA has been used to provide recommendations for the decontamination and/or removal of materials prior to demolition of the Great Neck facility. The recommendations for the management of the materials in accordance with applicable local, State, and Federal regulations are provided below.

4.1 Asbestos-Containing Materials

The ACM that was found through out the facility in most cases is intact. However, certain areas of the floor tile are severely damaged but since this material is non-friable it does not pose a hazard at this time. The plaster ceiling areas are generally in good condition and the area that has fireproof spray-on material is blocked off and caution signs are posted. These areas should be checked periodically for falling ACM debris and removed when feasible. The asbestos pipe insulation is generally in good condition but can become friable if disturbed. The ACM on roof areas in most cases is intact but care should be exercised when repairing roof leaks to insure that the ACM does not become friable.

Based on the results of this investigation and the assumption that the facility will undergo demolition, all ACM in both structures will be disturbed. As such, it is recommended that all ACM be removed in compliance with Federal, State, and local regulations prior to demolition.

Prior to any work being performed at the site, proper notifications must be made to all three agencies, depending on the amount of ACM to be disturbed. It should be noted that the removal of floor tile and roofing may require an application for a variance from New York State, depending on which abatement procedures are followed.

The following is a list of agencies that must be notified prior to ACM abatement:

- USEPA - 10 days prior to abatement if ACM quantity is greater than or equal to 260 linear feet, 160 square feet, or 35 cubic feet. No Fee.
- NYSDEC - 10 days prior to abatement if ACM quantity is greater than or equal to 260 linear feet, 160 square feet, or 35 cubic feet. Fee: $100-$1,000.

The regulations that apply and must be followed by all abatement contractors include:

- USEPA NESHAP, 40 CFR Part 61
- OSHA Construction Standards, 29 CFR 1926.1101and 1926.58
- New York State Industrial Code Rule 56

Variance applications for the abatement of floor tile or roofing must be filed several weeks in advance with New York State. This time factor should be anticipated prior to scheduling any abatement work that will require a variance.

New York State has a worker and supervisor certification for ACM abatement work. The abatement contractor and third party consultant must also hold a valid New York State Asbestos Handler License.

4.2 Paint Materials

Based on the results of the paint survey and sampling performed for the FA, the extent of lead-based paint at the Great Neck facility is extensive. Any renovation or demolition work that is performed that will disturb the areas that tested positive for lead will require the adherence to the proper protective measures specified in OSHA 29 CFR 1926.62 "Lead Standard for the Construction Industry". The OSHA rule regarding the handling of materials with lead paint during renovation or demolition should be enforced so as not to create a lead dust hazard for the workers and the environment. Additionally, prior to cutting or burning of painted surfaces, the lead-based paint should first be removed to avoid the generation of hazardous fumes.

4.3 Miscellaneous Impacted Materials

In accordance with the procedures outlined in the Facility Assessment Workplan (EMCON, 1997), features and areas containing residual liquids and solids within the facility, were inspected and/or sampled for various analytes based on the known or suspected chemical usage. The analytical results from the samples collected were compared with applicable regulatory standards to determine the need for further action and identify special handling or disposal requirements.

PCB Oils - Only two samples (GN-RS-01 and GN-RS-04) at the Great Neck facility were found to contain high concentrations of PCBs which will require management as hazardous waste pursuant to Federal TSCA regulations (40 CFR 761.60).

PCBs in Electrical Equipment - Several transformers, capacitors, and filtron filters were identified at the Great Neck facility during the FA. The units were not sampled based on available PCB data from previous sampling events. It is, however, recommended that the oils from the various pieces of equipment be drained and properly managed prior to demolition of the buildings. The filtron filters should be managed and disposed of as containing PCB containing waste. PCB and non-PCB containing ballasts (DEHP) should be managed and disposed of as hazardous waste.

Sumps and Cooling Towers - The sediments located in the sumps and cooling towers associated with samples (GN-RS-01, GN-RS-09, and GN-RS-10) are likely to be considered a hazardous waste based on the elevated metals concentrations and the comparison to the TCLP for cadmium, chromium, lead, and mercury. The residual sediments should be removed and disposed of properly prior to demolition. The quantity of sediments associated with the sumps is provided in Table 24.

Wood Block Flooring - Based on the analytical results (which found elevated levels of total metals, semi-volatile organics, and TPH in all but one wood block sample) the wood block should be removed and disposed of properly prior to demolition. The estimated quantity of wood block flooring for the entire facility is 1,800 cubic yards.

CFCs in Refrigeration Equipment - Various air conditioning and refrigeration equipment at the Great Neck facility were identified and inspected. At the time the FA was performed, most of the equipment remaining at the facility were still charged with CFC-containing refrigerants. CFCs are present today, however, they are scheduled to be removed by the facility, but must be confirmed again. With the removal of the refrigerants from the equipment, no further action is recommended.

Miscellaneous Facility Features - Miscellaneous features associated with the Great Neck facility (fluorescent lights and light ballasts, HID lighting, mercury-containing thermostats and switches, lead-acid batteries) were identified during the FA survey that contain substantial quantities of hazardous materials. Each of these building materials have special handling, re-use, recycle, and/or disposal requirements. These materials will require removal prior to demolition of the buildings.

5 REFERENCES

EMCON, Facility Assessment Workplan, Lockheed Martin Tactical Defense Systems, Great Neck, New York, August, 1997.

Decontamination and Decommissioning at Great Neck Manufacturing Facility July 17, 1995, by Eagle Industrial Hygiene Association Inc.

Preliminary Asbestos Audit Report, November 19, 1989, by Alternative Ways Inc.

Dielectric Fluids Sampling in High Power Test Area, June 29, 1995, by Eastern Environmental Testing

New York State Department of Environmental Conservation, Technical Guidance and Administrative Guidance Memorandum (TAGM) on Determination of Soil Cleanup Objective and Cleanup Levels, January 1994.

EPA Title 40 CFR Parts 261.33, 268.34, 268.43, 302.4, and 261 Appendix VII.

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

FIGURES

(Figures 12, 14, 38, 40, 56, 61, and 66 are located in the back pocket.)

BASE MAP TAKEN FROM 7.5 MIN. U.S.G.S. MAPS:
SEA CLIFF, N.Y. DATED 1968 (PHOTOREVISED 1979)
AND LYNBROOK, N.Y. DATED 1969.

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FIGURE 1

LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

SITE LOCATION MAP

ENE-MTOWN2/DATA: N:\DWG\86401001\MALMF-10.dwg Xrefs: MALMBD04
Scale: 1 = 1.00 DimScale: 1 = 1.00 Date: 1/9/98 Time: 11:09 AM Operator: DTICE

ENE-MTOWN2/DATA: N:\DWG\86401001\MALMF-04.dwg Xrefs: MALMBD02
Scale: 1 = 1.00 DimScale 1 = 1.00 Date: 1/9/98 Time: 11:34 AM Operator: DTICE

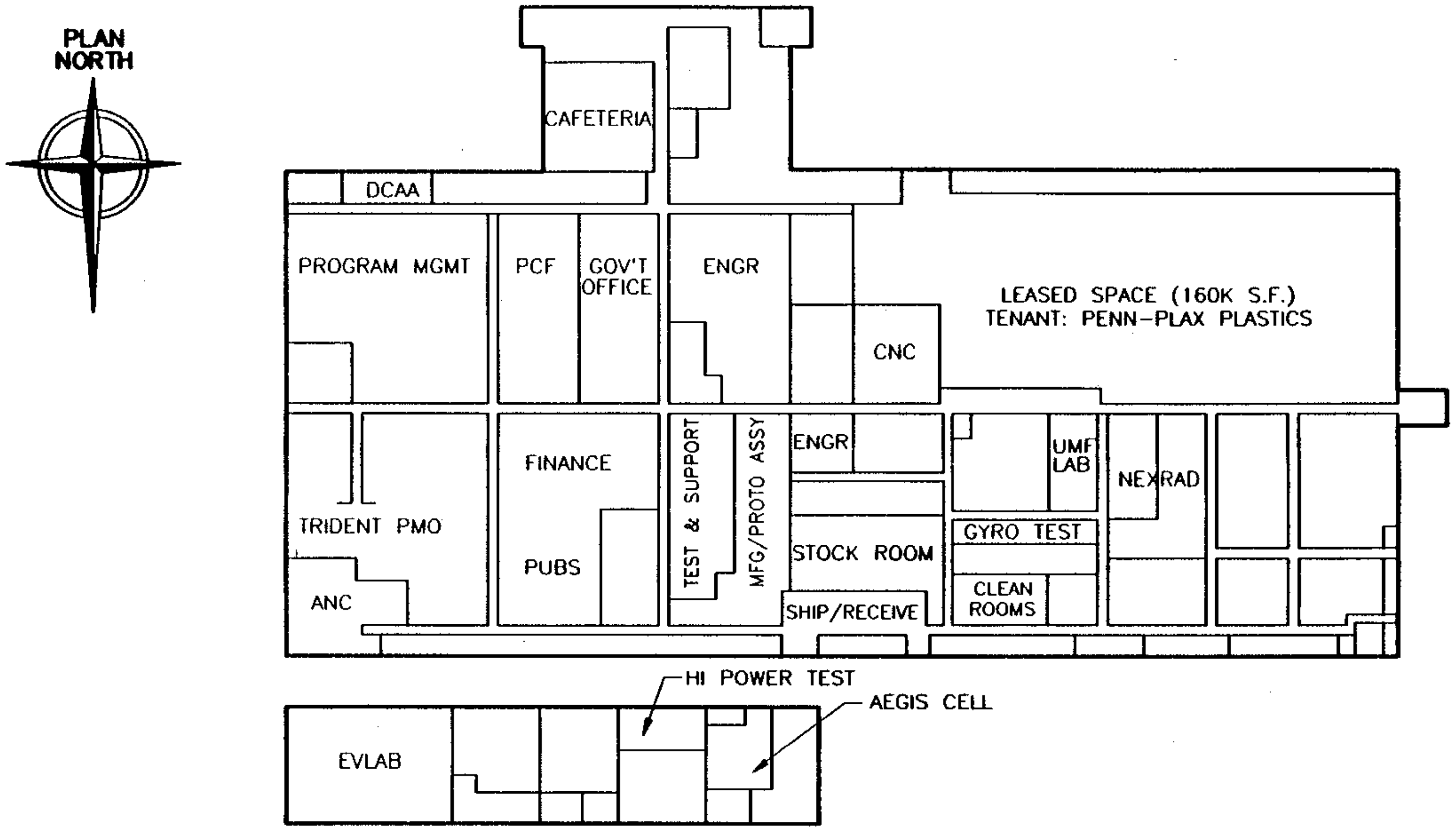

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FIGURE 2
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

MAIN PLANT AND SOUTH ANNEX BUILDING
SITE SKETCH

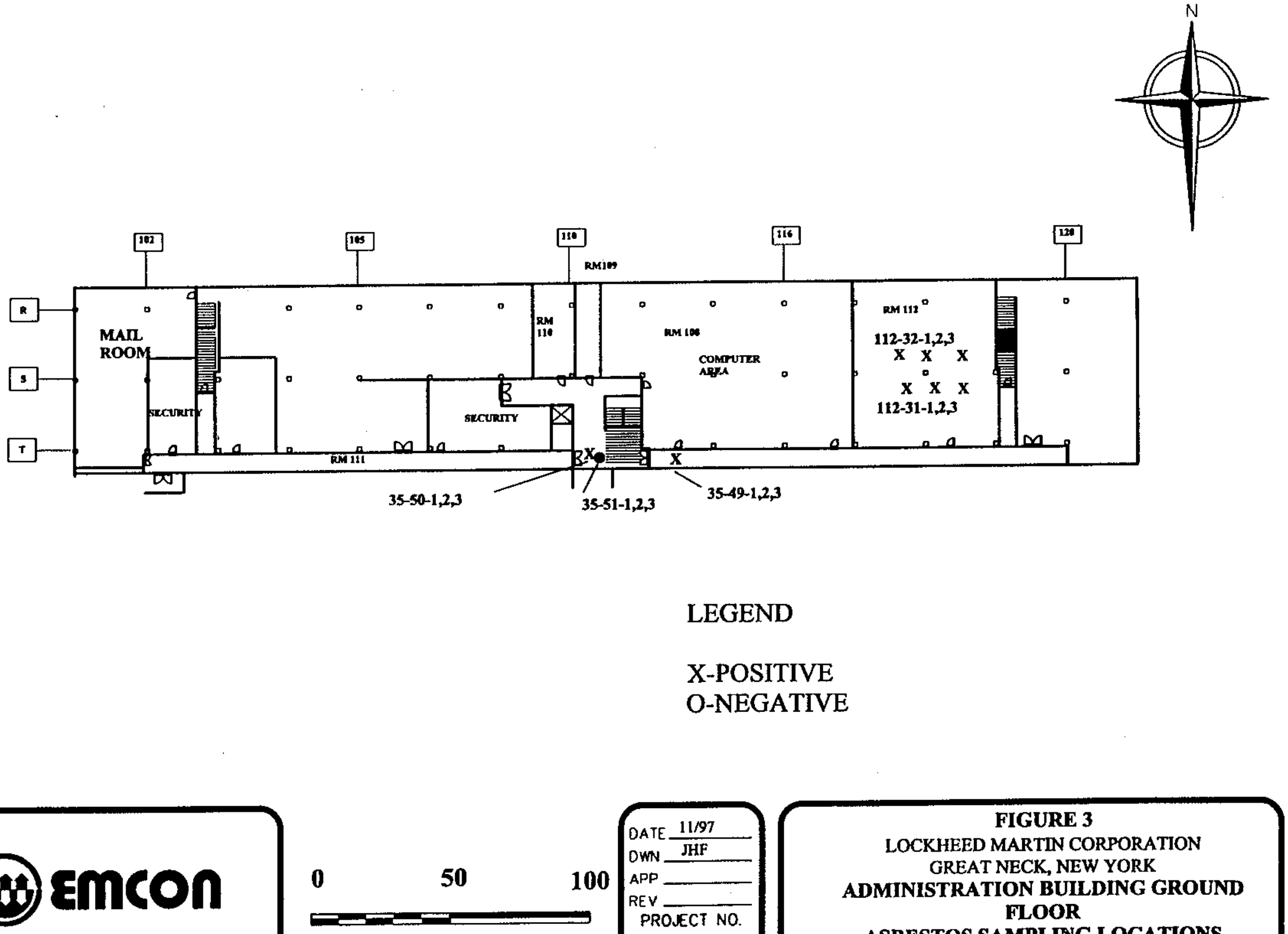

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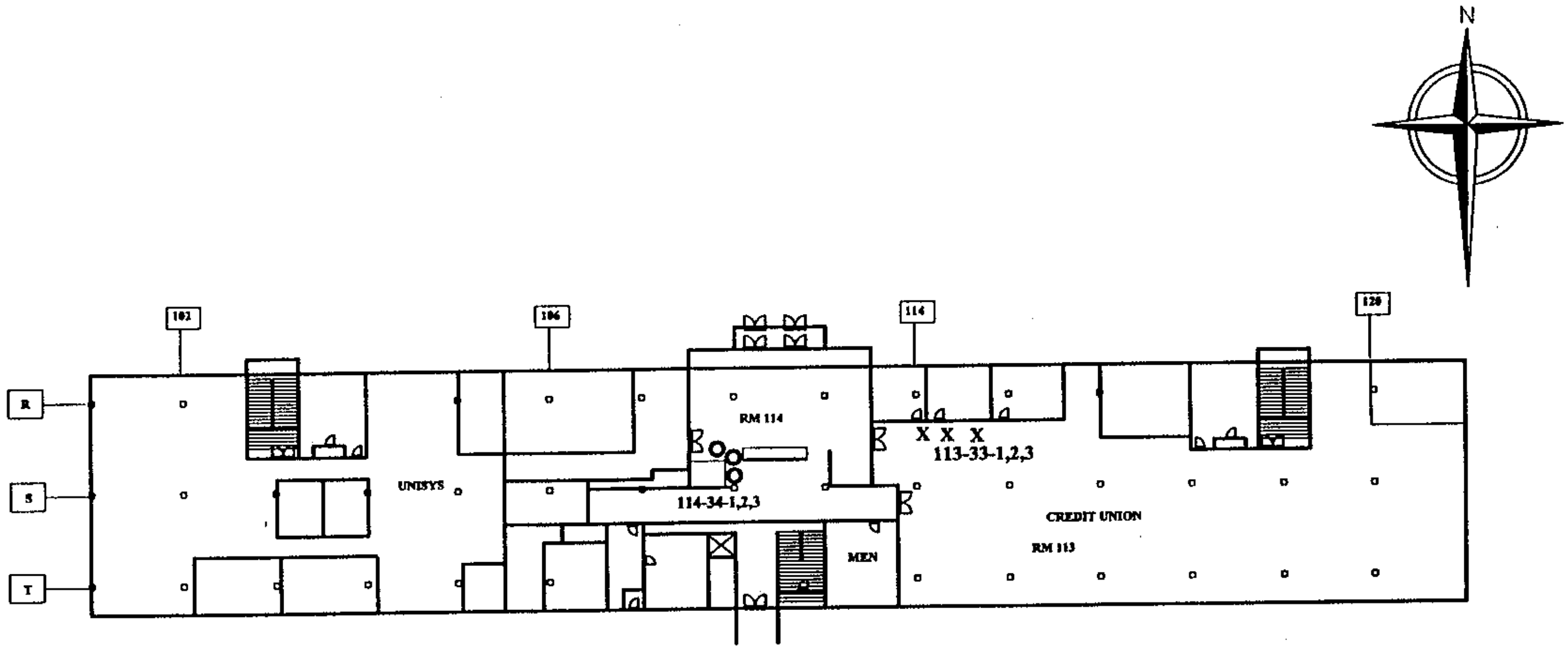
FIGURE 3

LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION BUILDING GROUND FLOOR
ASBESTOS SAMPLING LOCATIONS



LEGEND

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FIGURE 4
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
ADMINISTRATION BUILDING FIRST FLOOR
ASBESTOS SAMPLING LOCATIONS

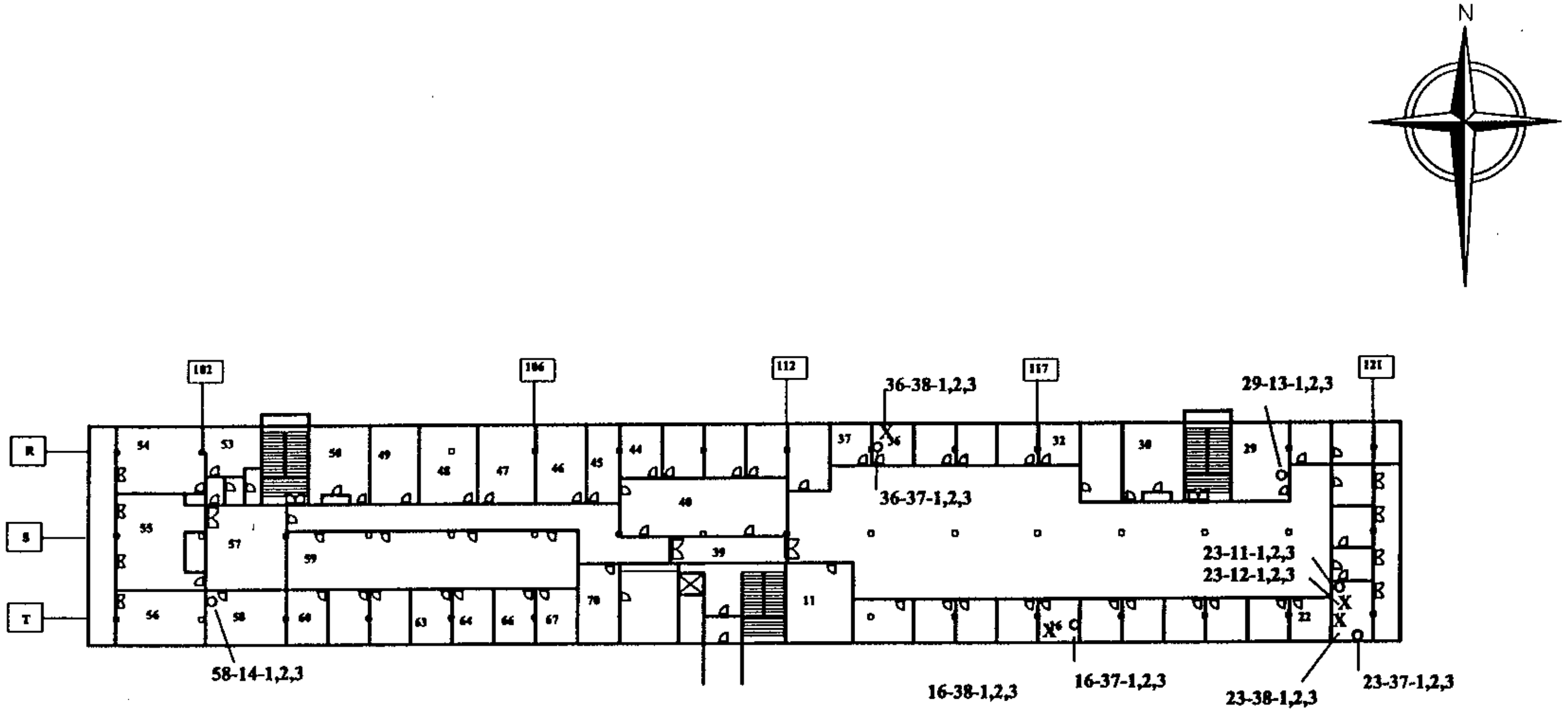

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FIGURE 5
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION BUILDING SECOND FLOOR
ASBESTOS SAMPLING LOCATIONS

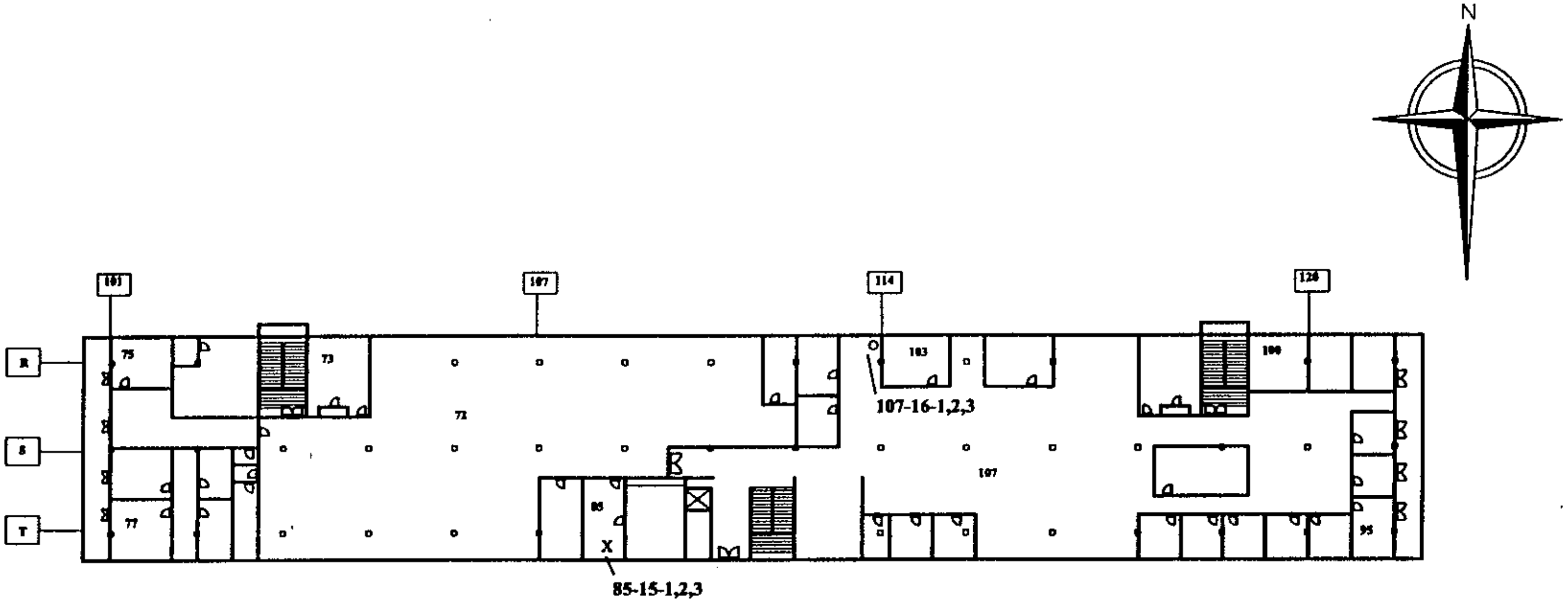

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FIGURE 6
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION BUILDING THIRD FLOOR
ASBESTOS SAMPLING LOCATIONS

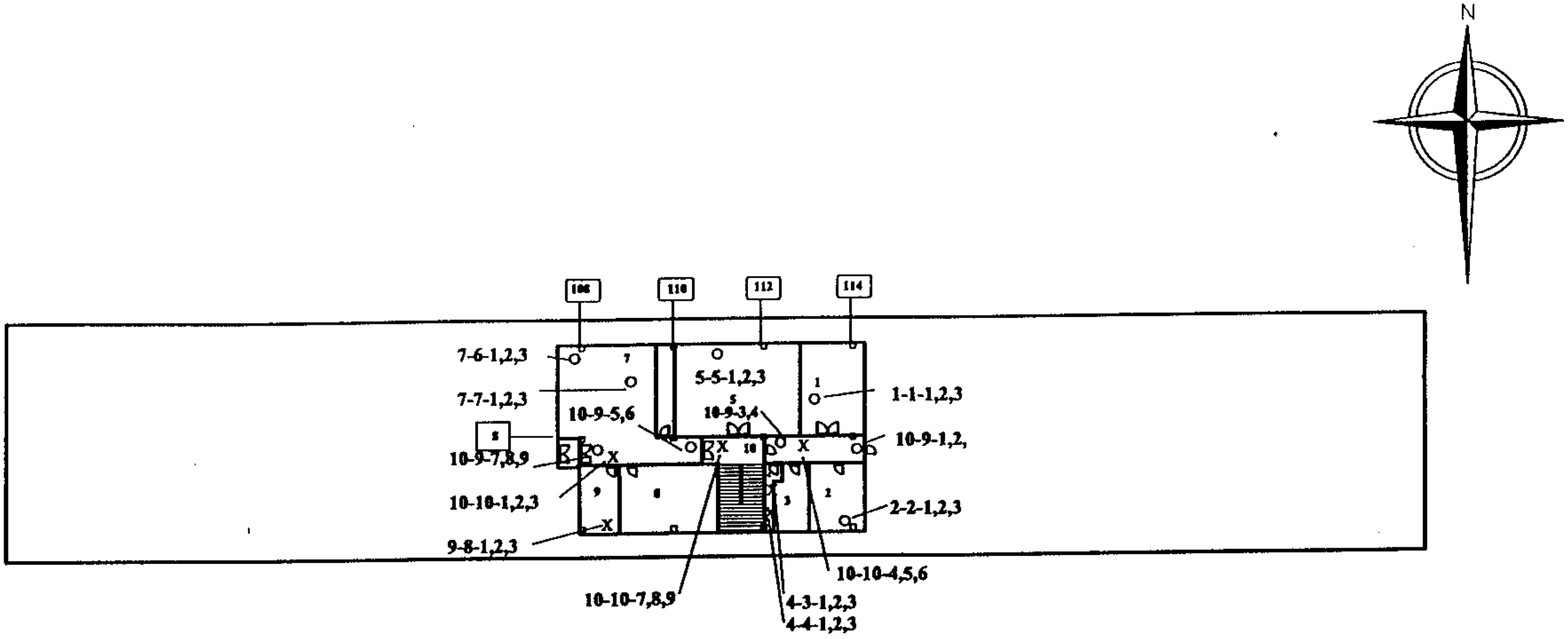

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FIGURE 7
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION BUILDING PENTHOUSE
ASBESTOS SAMPLING LOCATIONS

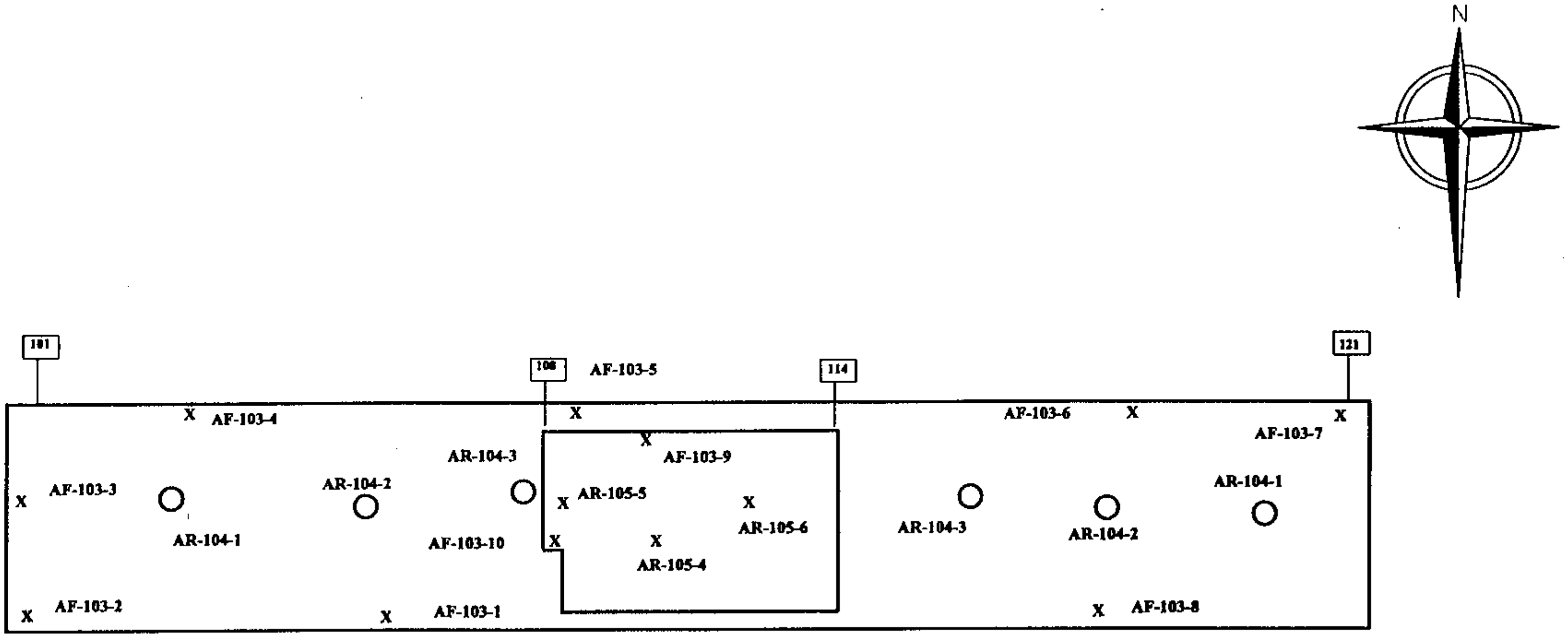

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FIGURE 8
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION BUILDING ROOF
ASBESTOS SAMPLING LOCATIONS

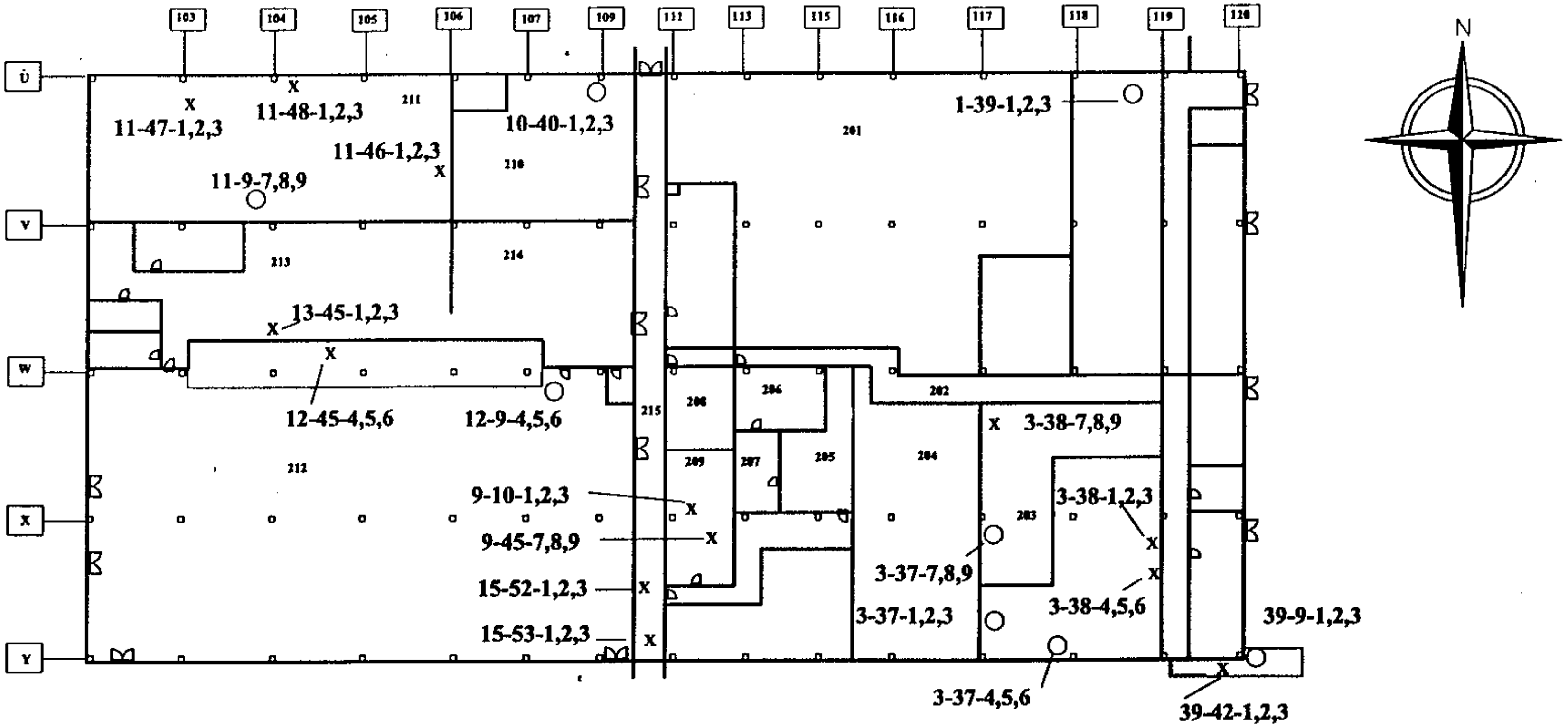

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FIGURE 9
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

SERVICE BUILDING GROUND FLOOR
ASBESTOS SAMPLING LOCATIONS

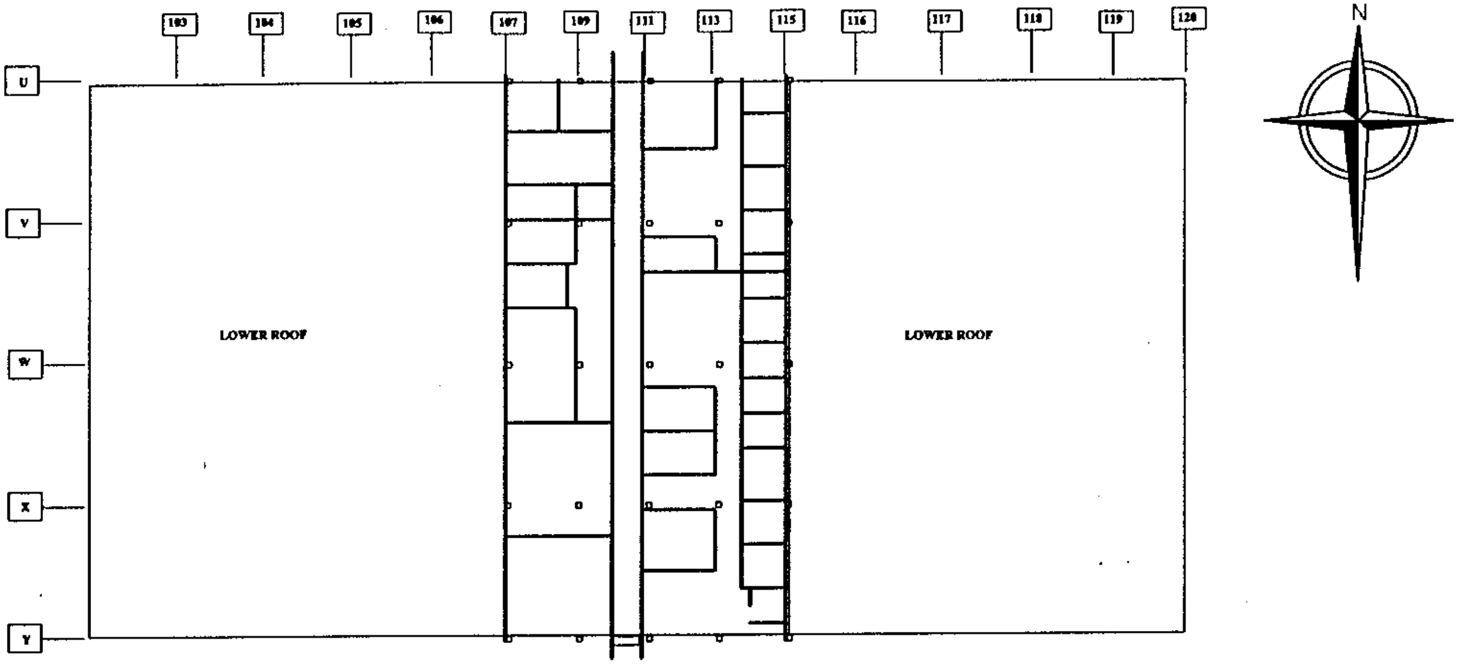

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FIGURE 10
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

SERVICE BUILDING MEZZANINE
ASBESTOS SAMPLING LOCATIONS

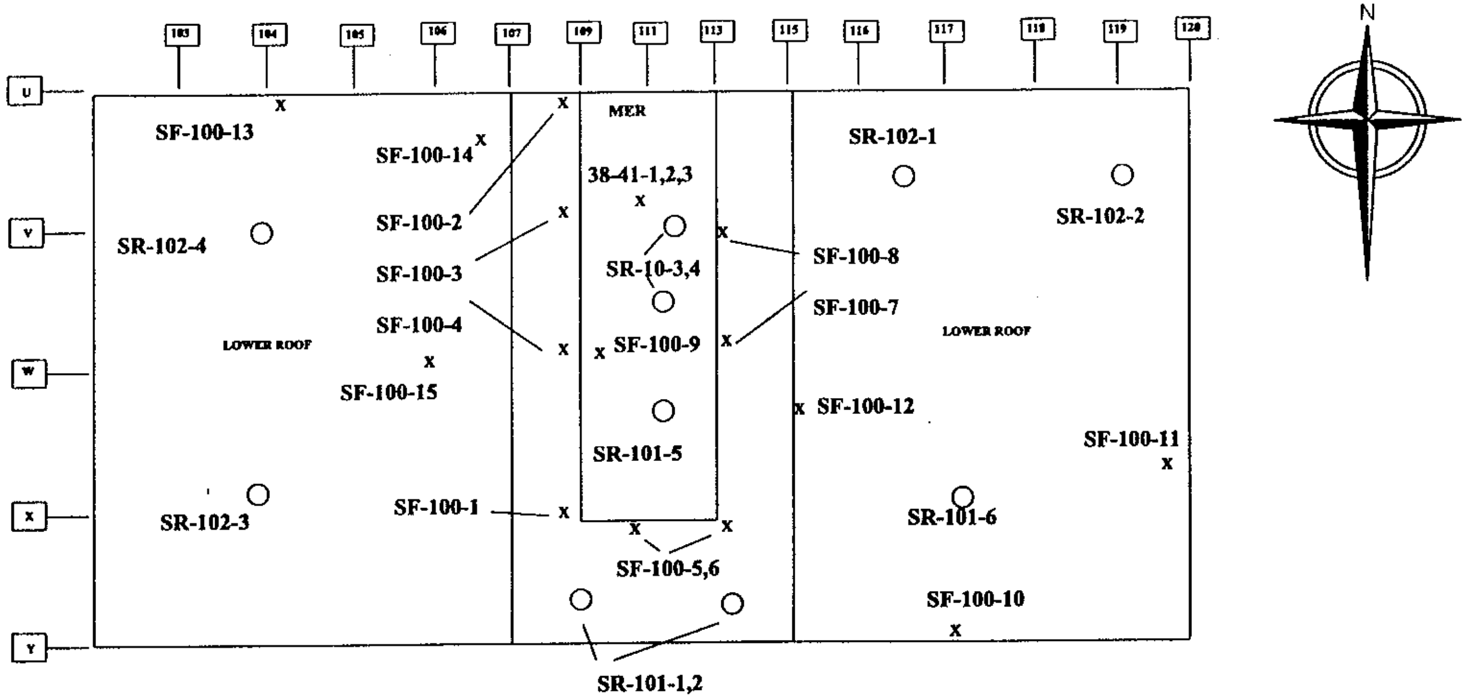

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FIGURE 11
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

SERVICE BUILDING ROOF
ASBESTOS SAMPLING LOCATIONS

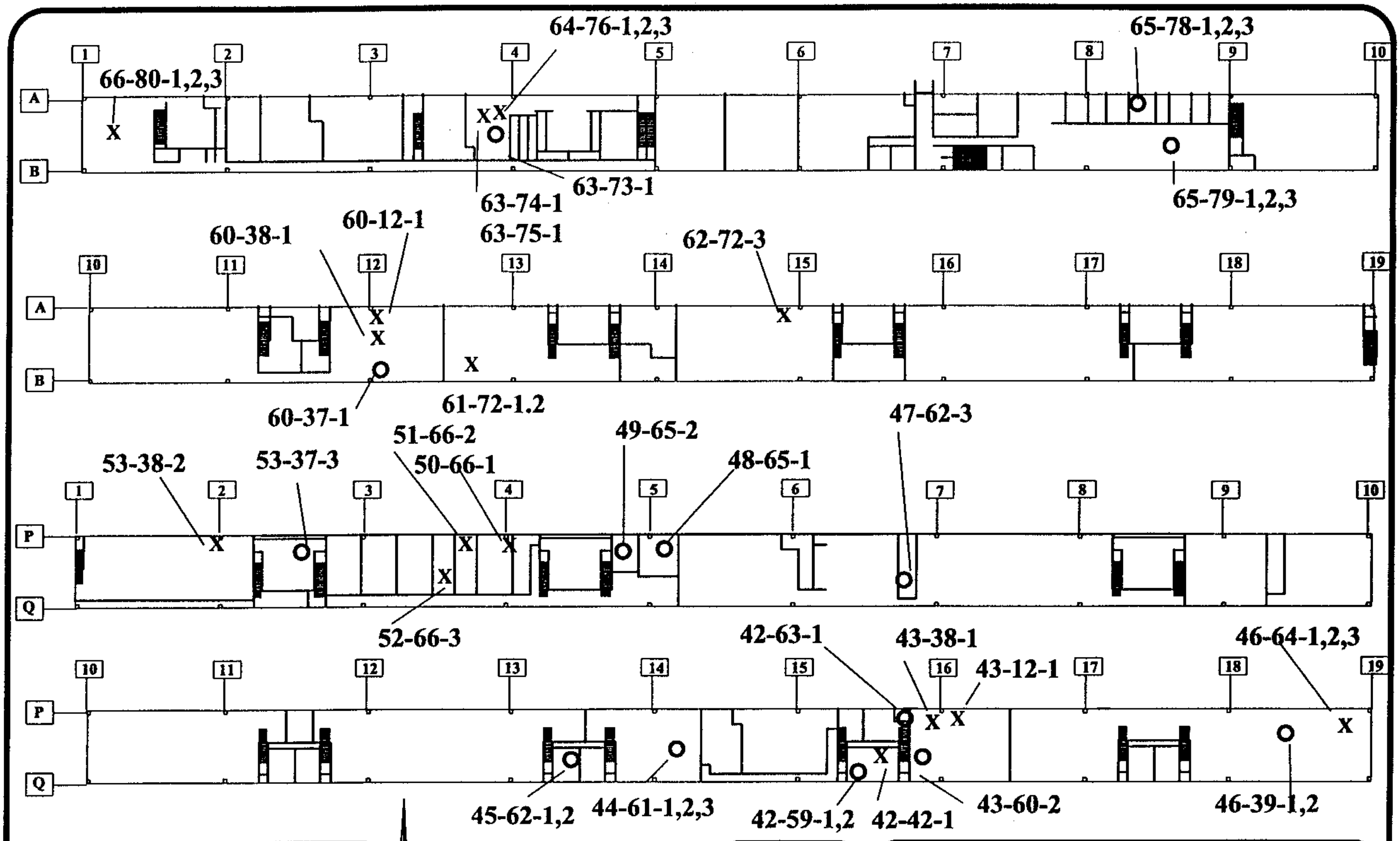

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FIGURE 13
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

MANUFACTURING BUILDING MEZZANINE
ASBESTOS SAMPLING LOCATIONS

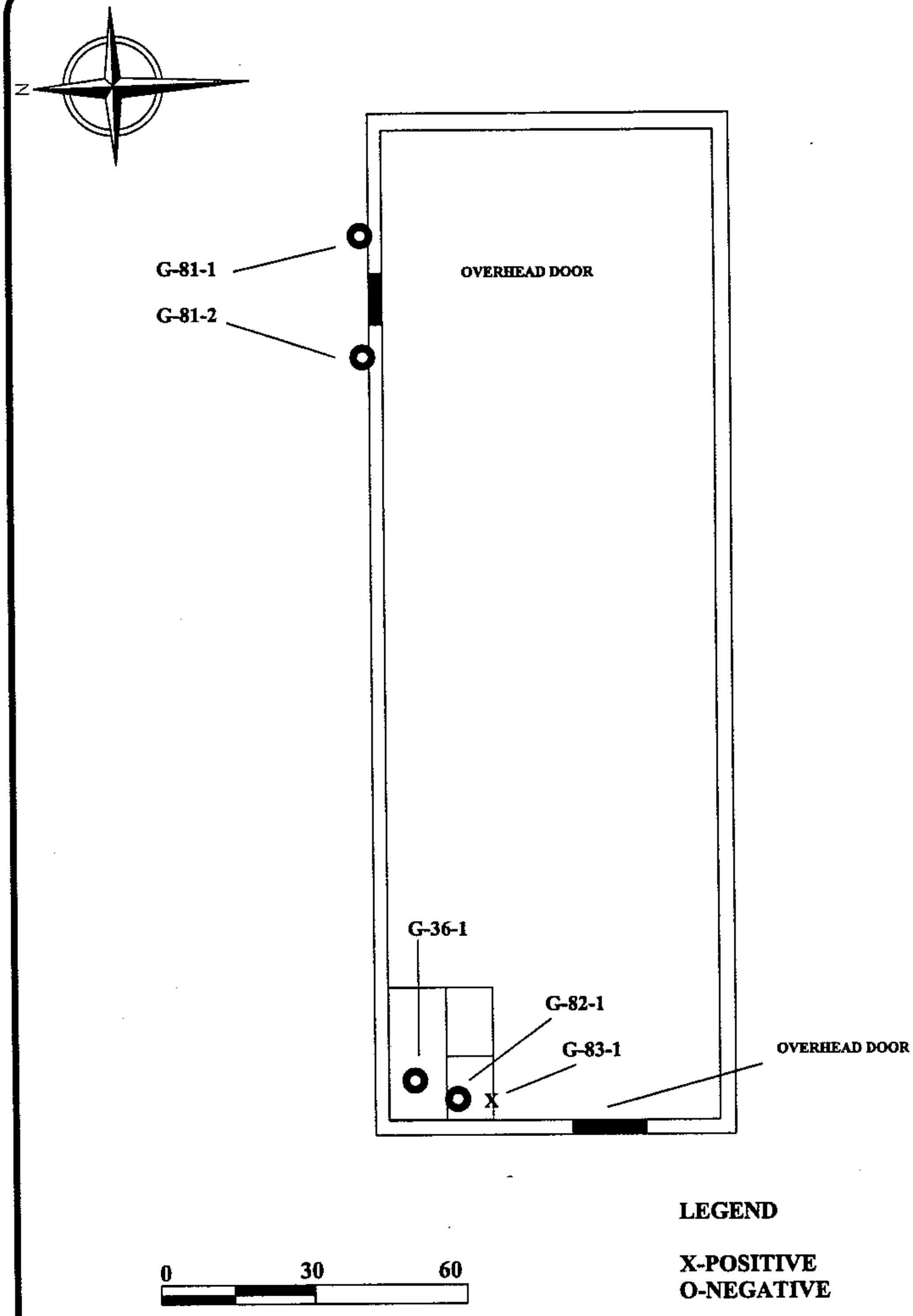

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FIGURE 15

LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

GARAGE GROUND FLOOR ASBESTOS SAMPLING LOCATIONS

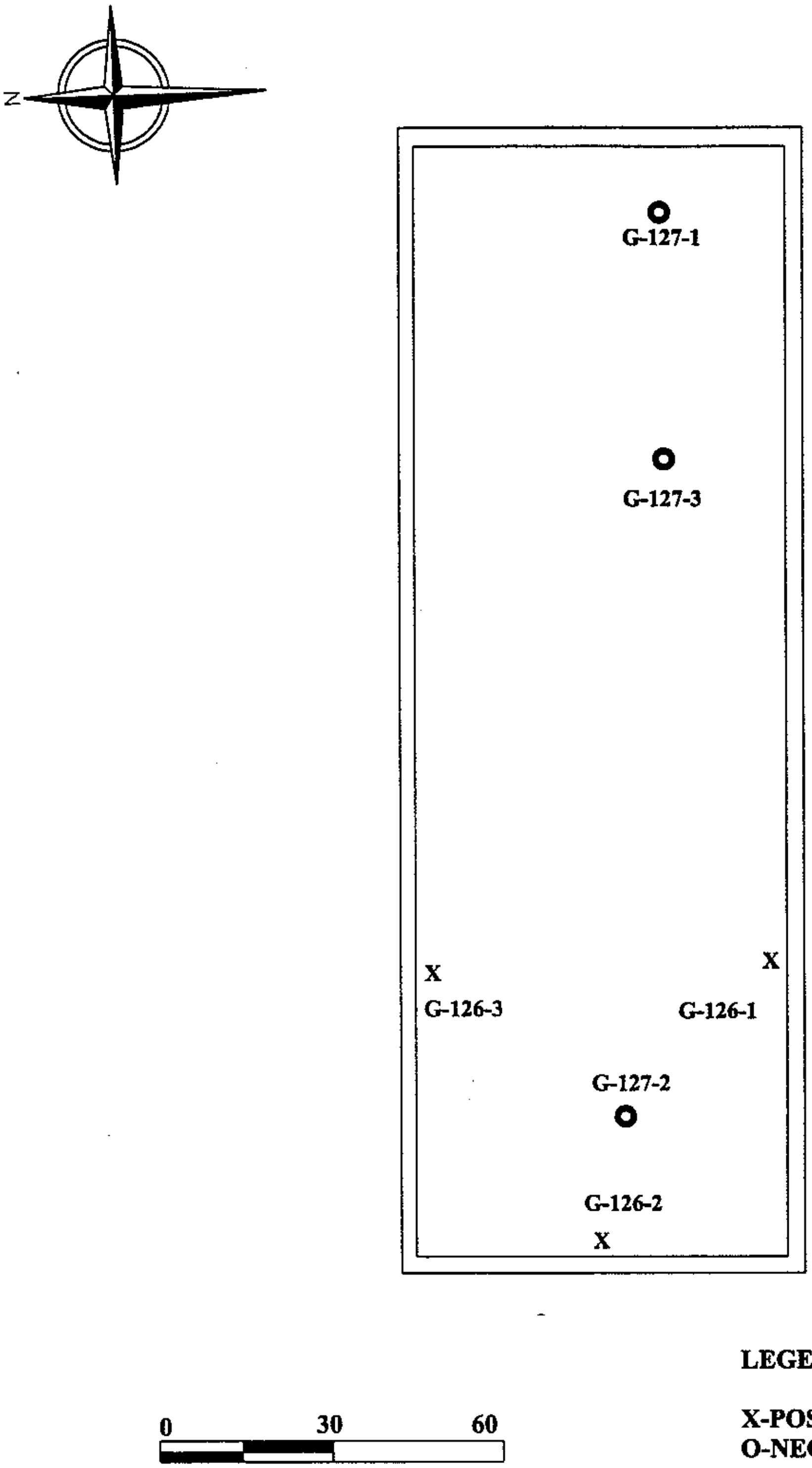

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FIGURE 16
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
GARAGE ROOF
ASBESTOS SAMPLING LOCATIONS

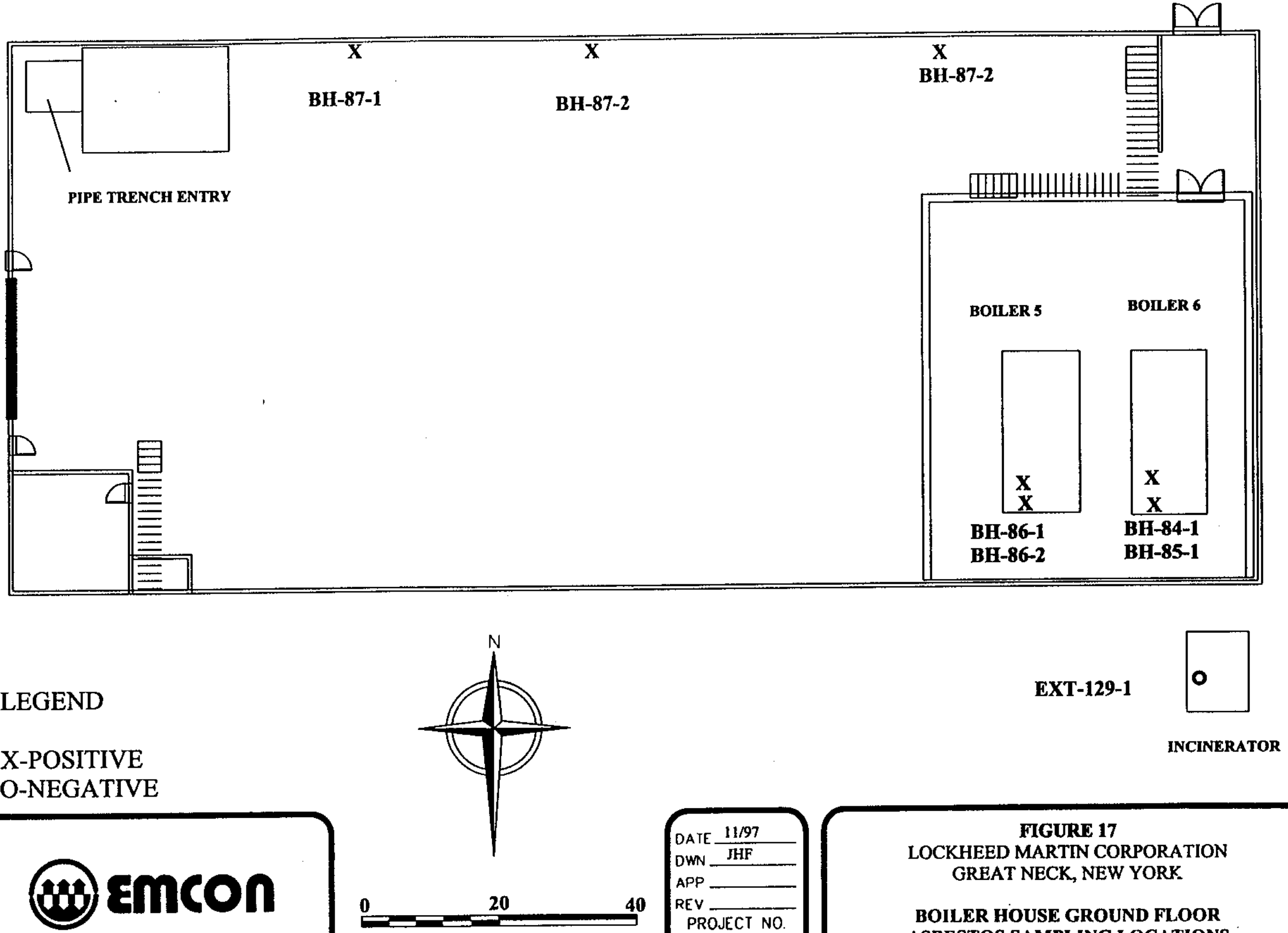

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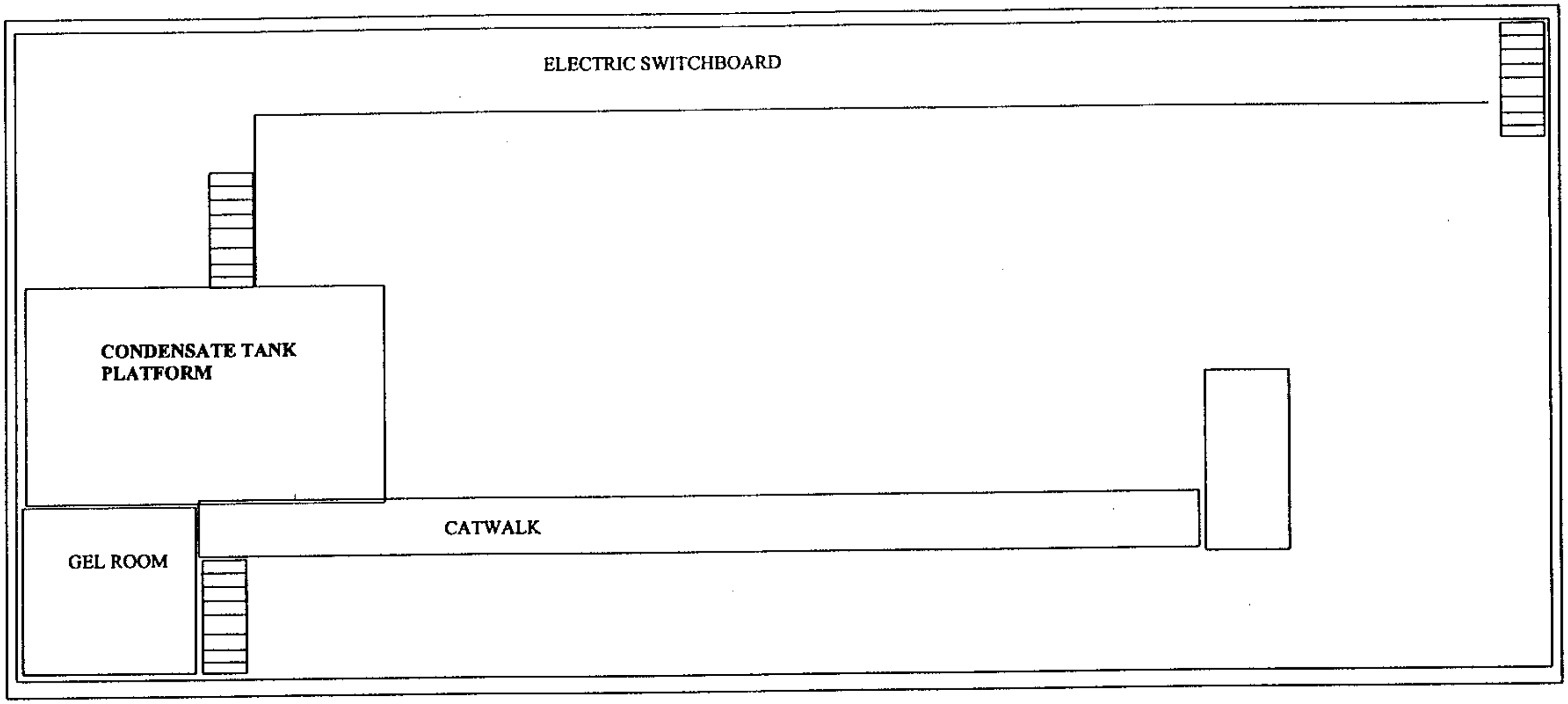
FIGURE 17

LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

BOILER HOUSE GROUND FLOOR ASBESTOS SAMPLING LOCATIONS



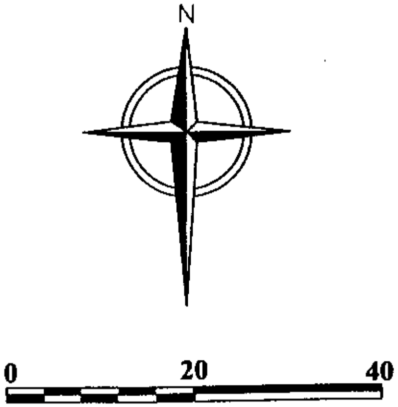


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FIGURE 18
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

BOILER HOUSE MEZZANINE
ASBESTOS SAMPLING LOCATIONS

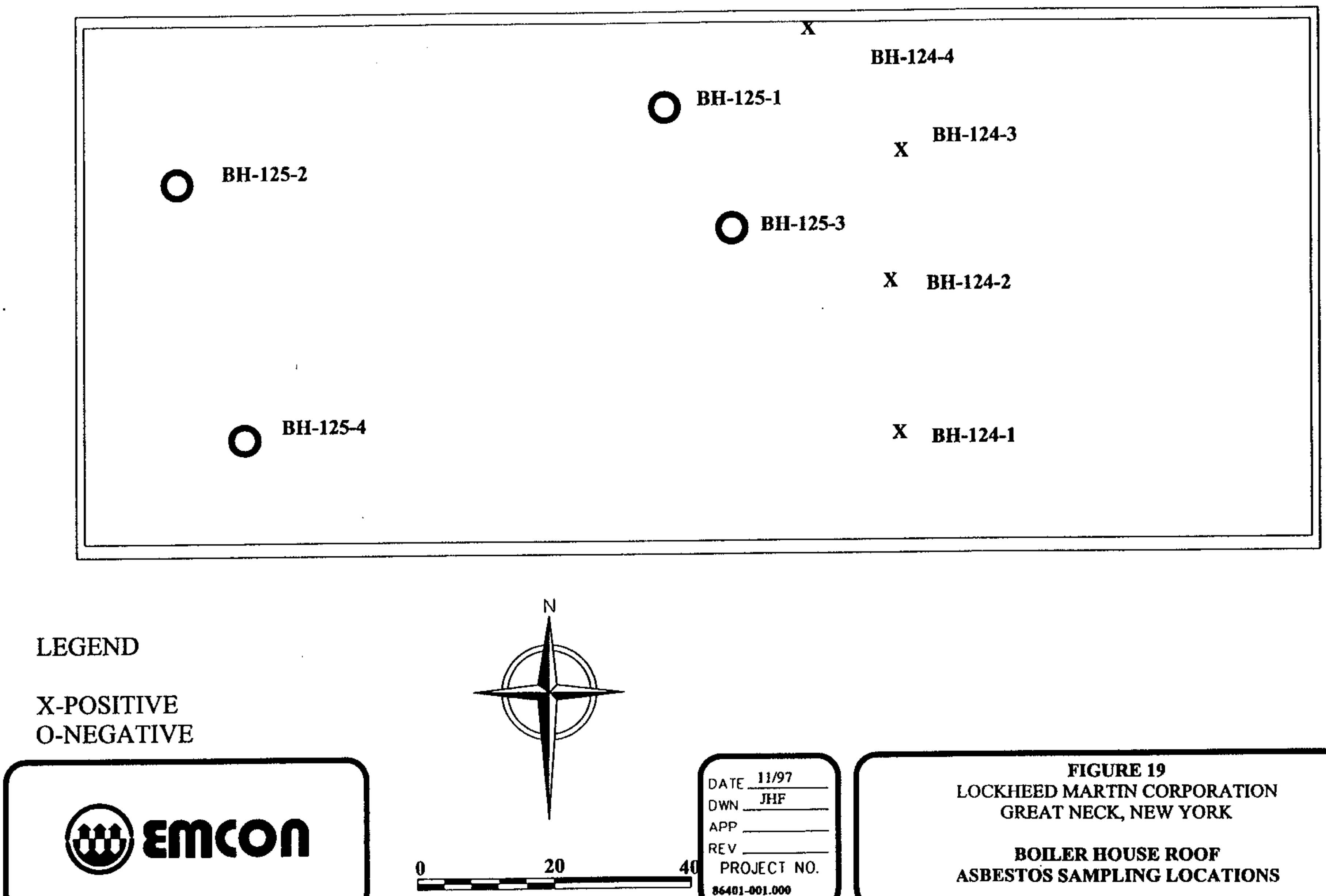

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FIGURE 19
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

BOILER HOUSE ROOF
ASBESTOS SAMPLING LOCATIONS

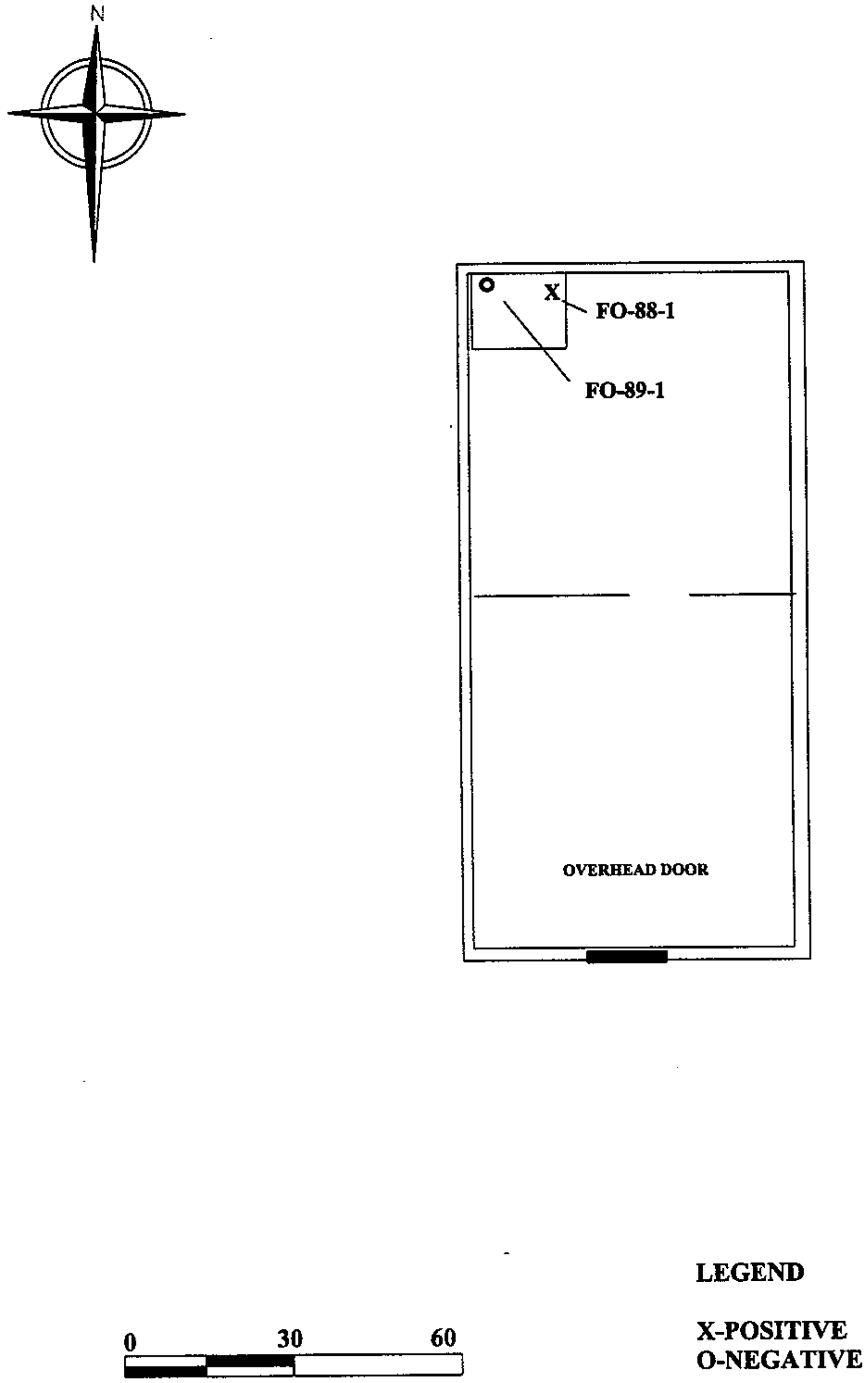

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FIGURE 20

LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

MAINTENANCE GROUND FLOOR
ASBESTOS SAMPLING LOCATIONS

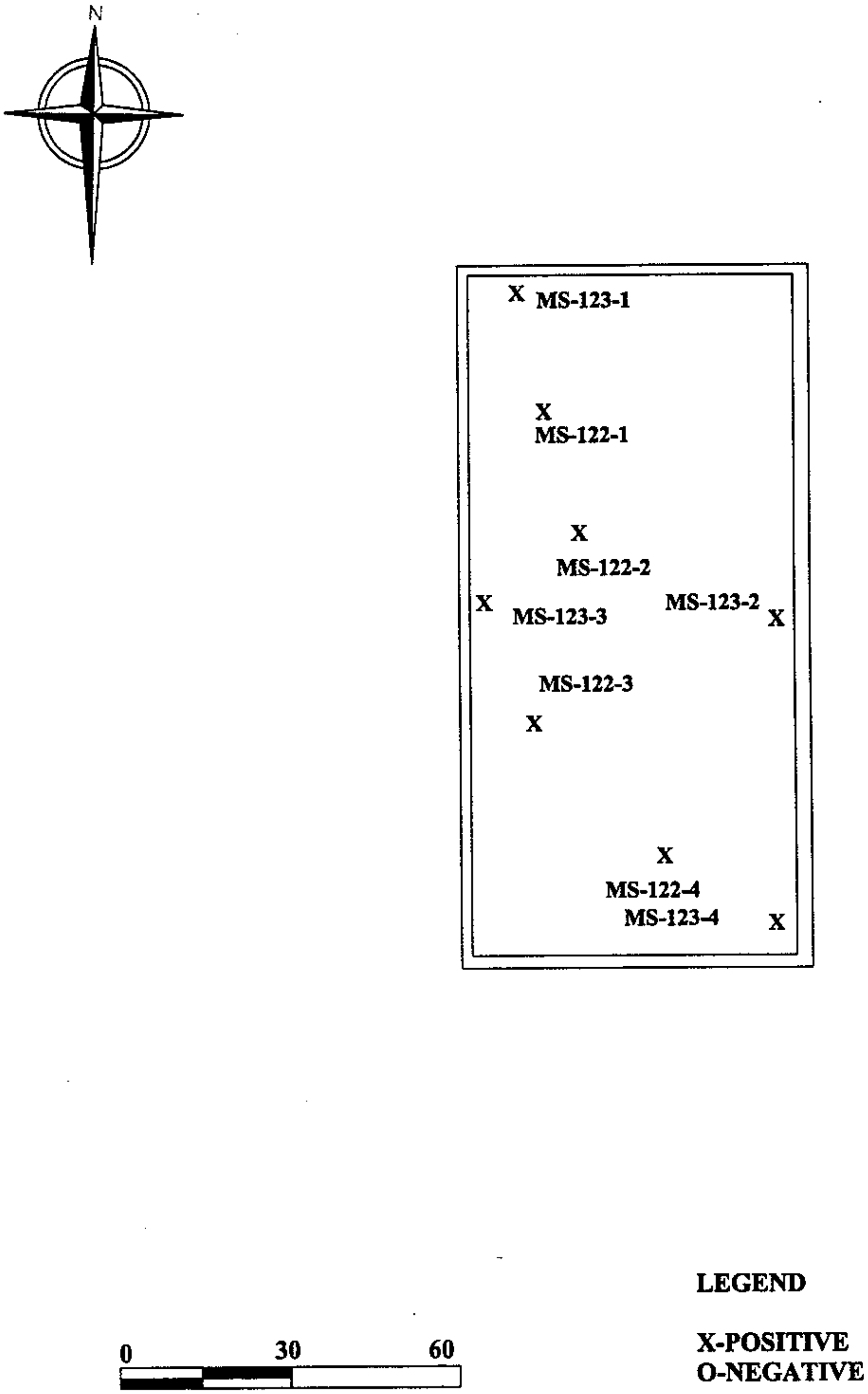

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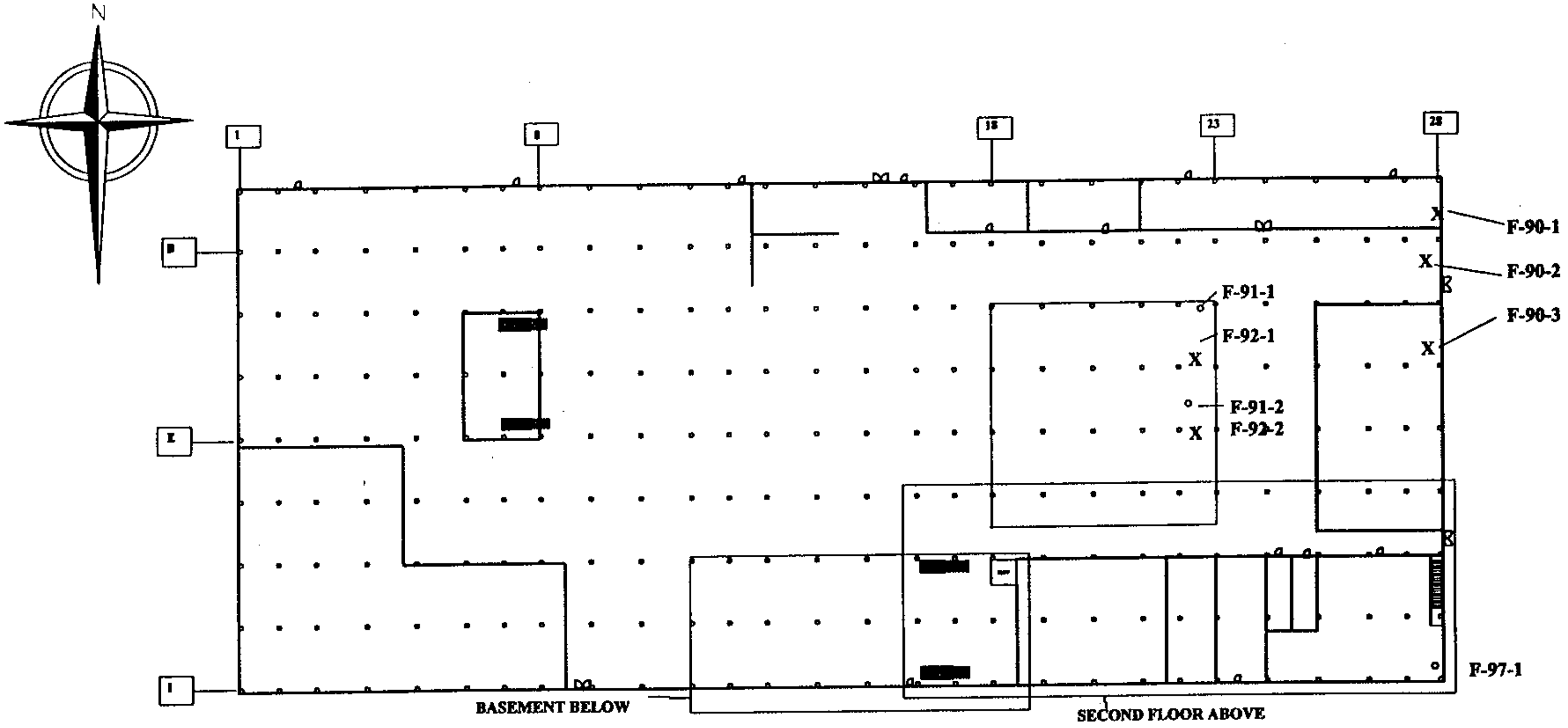
FIGURE 21
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
MAINTENANCE ROOF
ASBESTOS SAMPLING LOCATIONS



LEGEND

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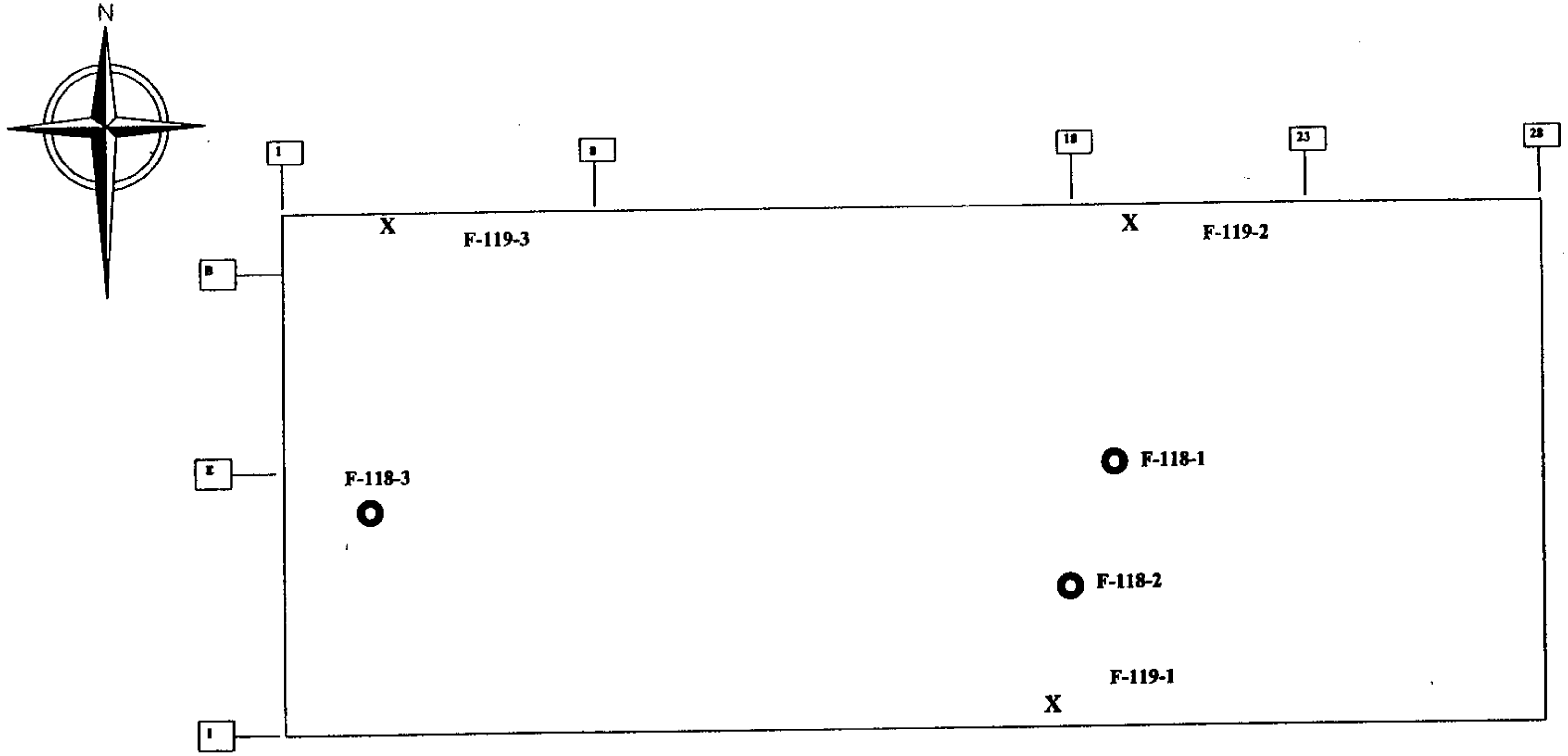
FIGURE 22
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

FOUNDRY GROUND FLOOR
ASBESTOS SAMPLING LOCATIONS



LEGEND

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FIGURE 23
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

FOUNDRY ROOF
ASBESTOS SAMPLING LOCATIONS

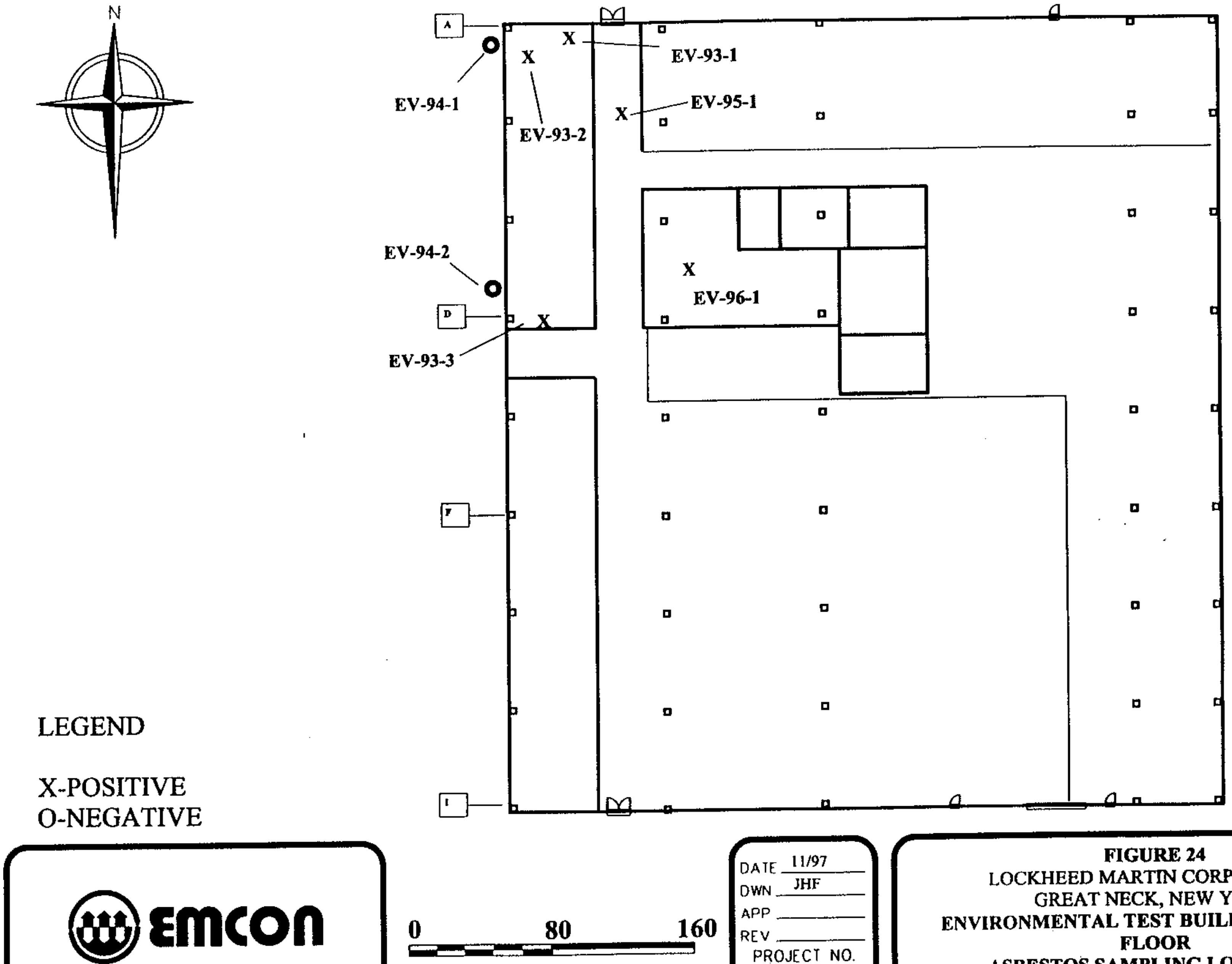

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FIGURE 24
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
ENVIRONMENTAL TEST BUILDING GROUND FLOOR
ASBESTOS SAMPLING LOCATIONS

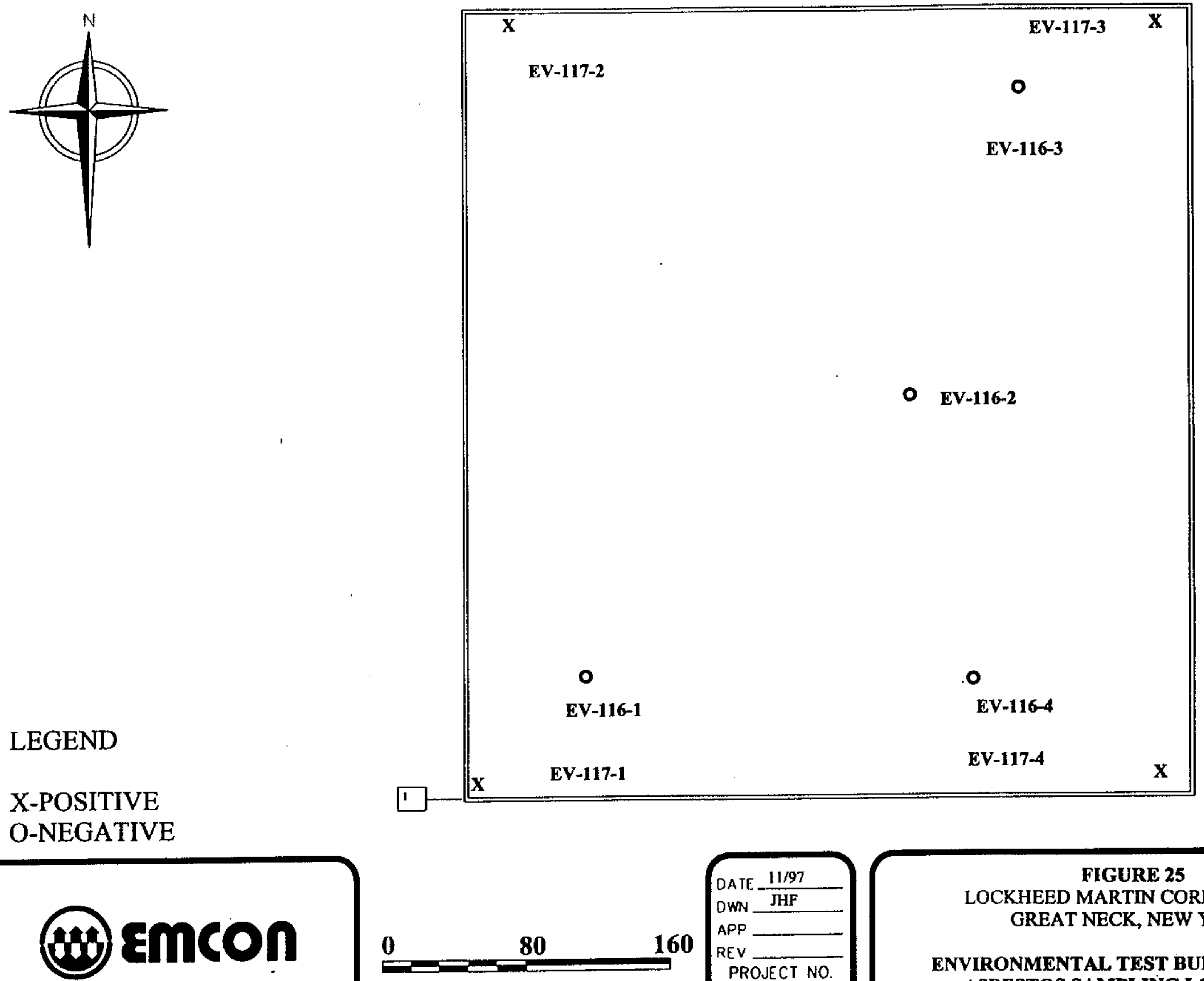

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FIGURE 25
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ENVIRONMENTAL TEST BUILDING ROOF
ASBESTOS SAMPLING LOCATIONS

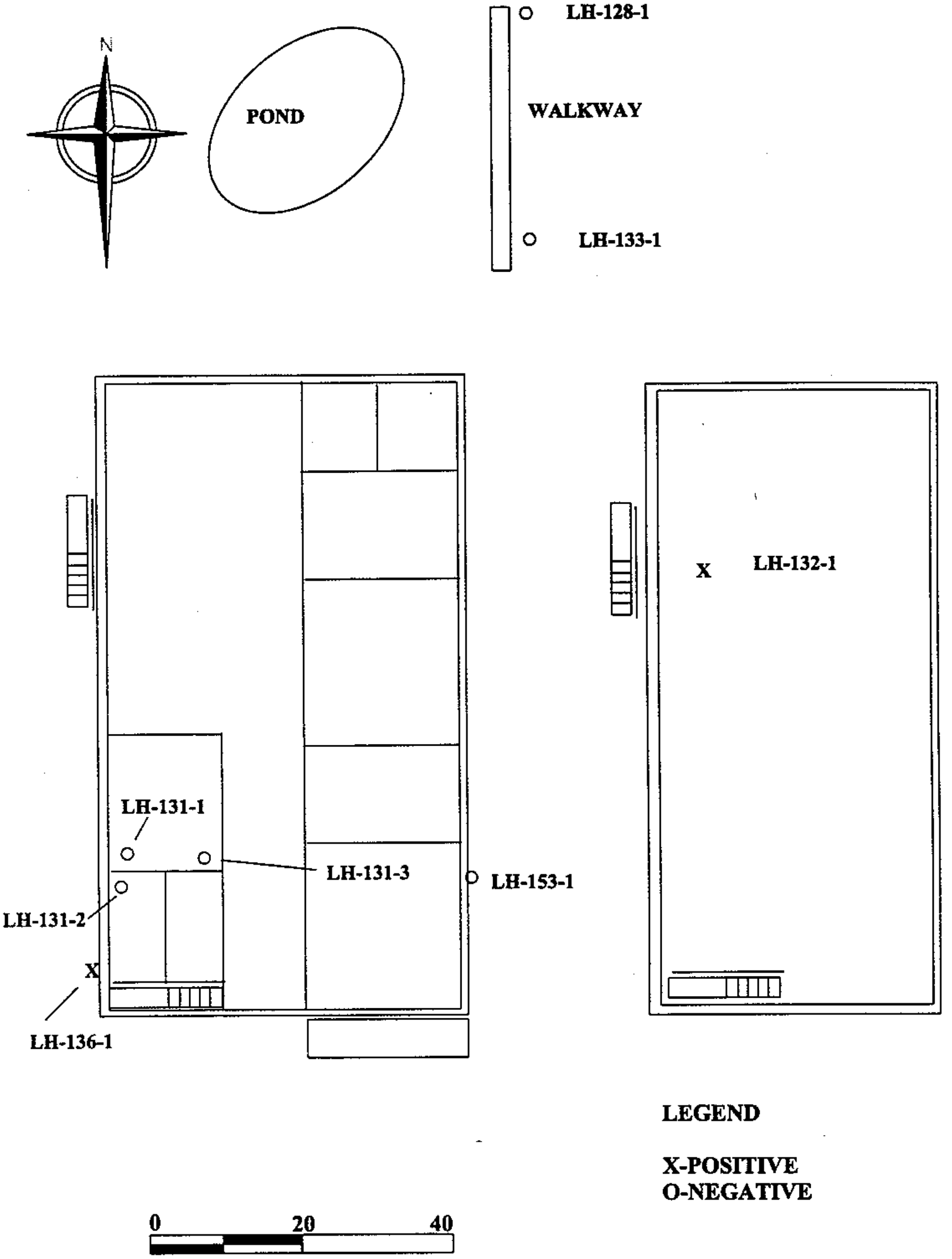

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FIGURE 26

LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

LAKEHOUSE GROUND FLOOR AND BASEMENT ASBESTOS SAMPLING LOCATIONS

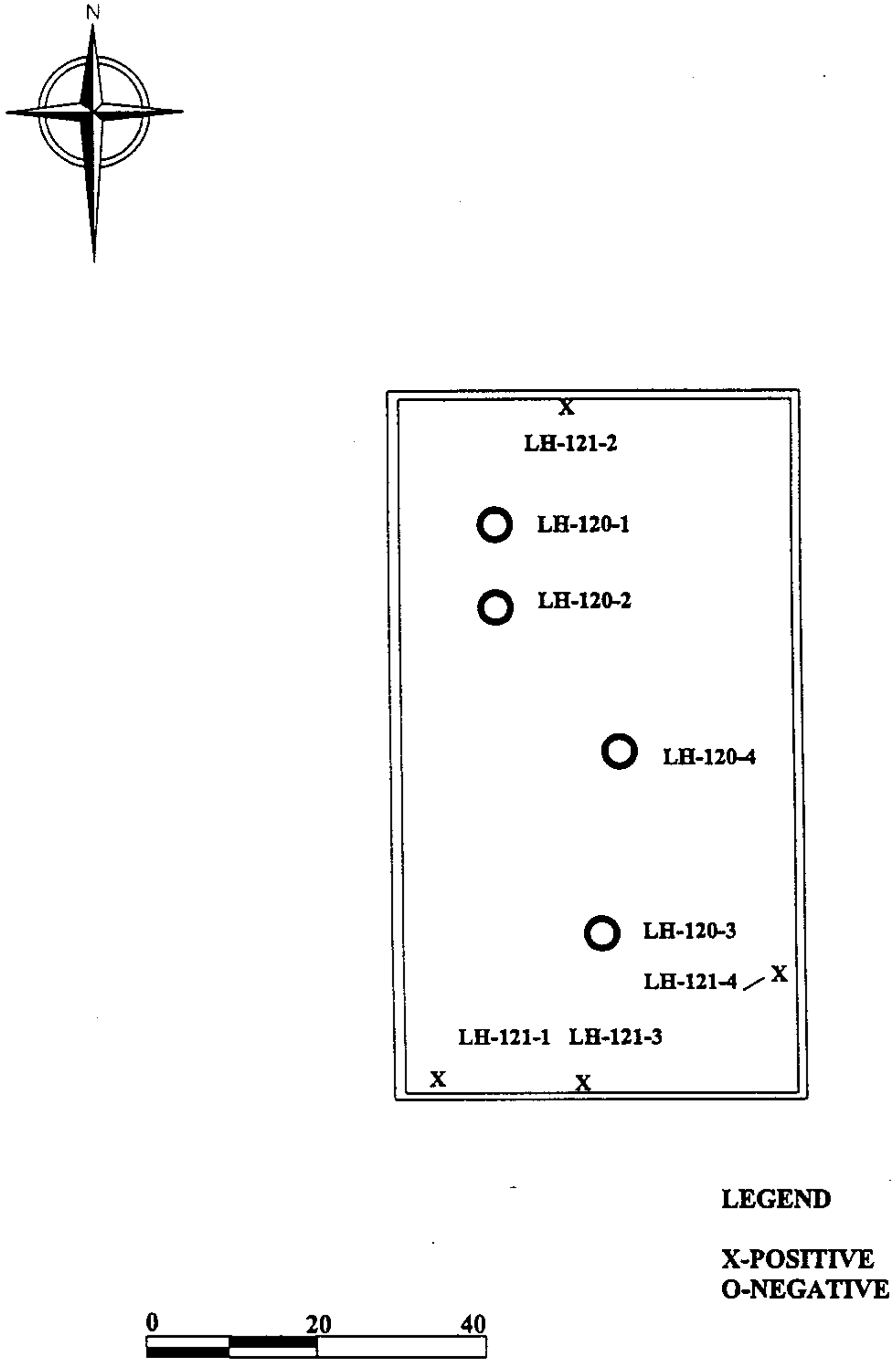

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FIGURE 27
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

LAKEHOUSE ROOF
ASBESTOS SAMPLING LOCATIONS

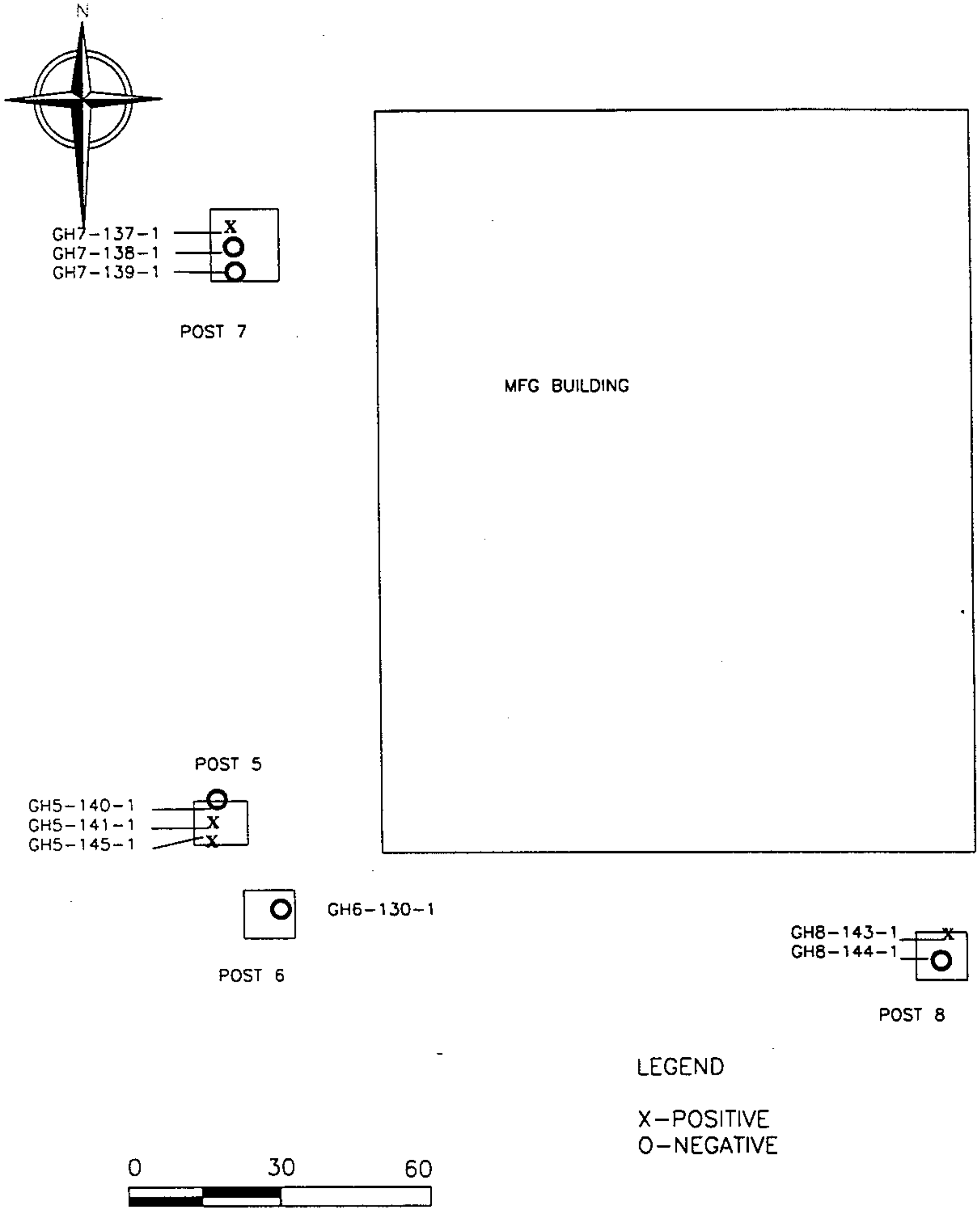

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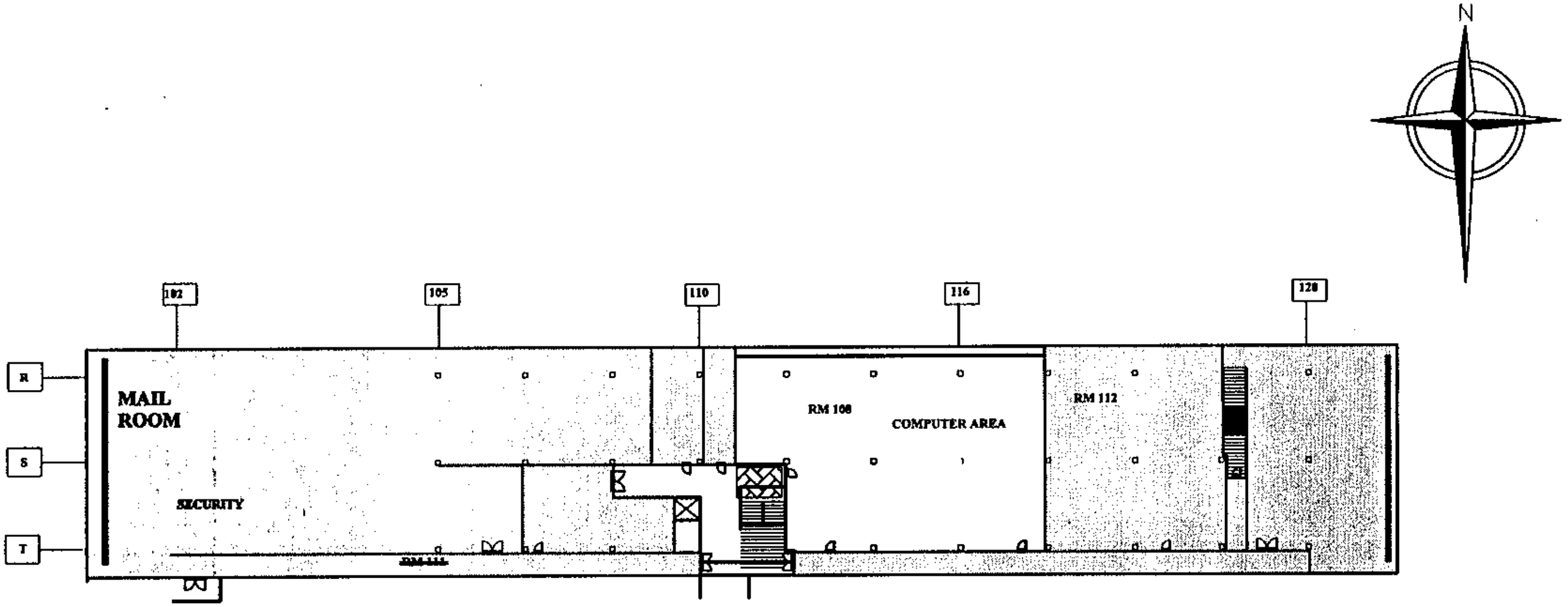
FIGURE 28
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

SECURITY POSTS
ASBESTOS SAMPLING LOCATIONS



WINDOW CAULKING IS ACM

WALL JOINT COMPOUND IS ACM

LEGEND

▨	FLOOR TILE
⬚	MASTIC ONLY
■	PIPE INSULATION
▩	PLASTER CEILING

EMCON

0 50 100

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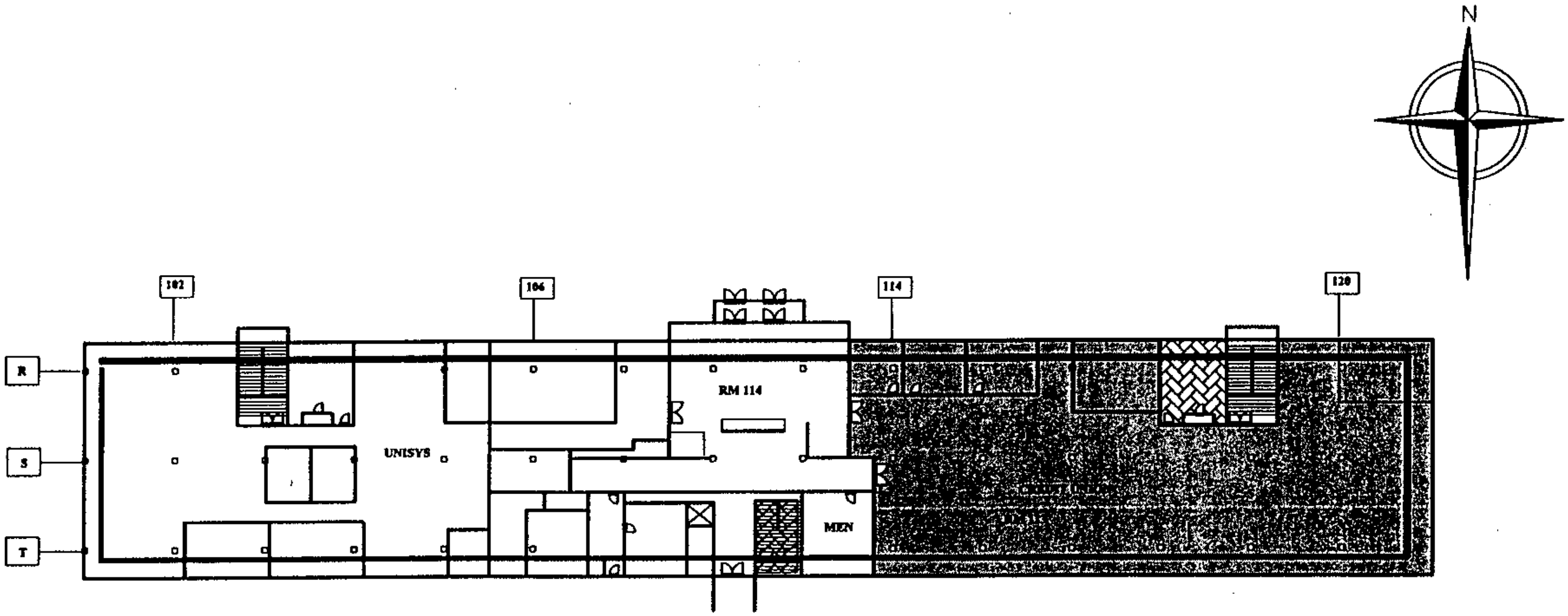
FIGURE 29
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
ADMINISTRATION BUILDING GROUND FLOOR
ACM LOCATIONS



WINDOW CAULKING IS ACM

WALL JOINT COMPOUND IS ACM

LEGEND

▩ FLOOR TILE
☐ MASTIC ONLY
■ PIPE INSULATION
▨ PLASTER CEILING

EMCON

0 50 100

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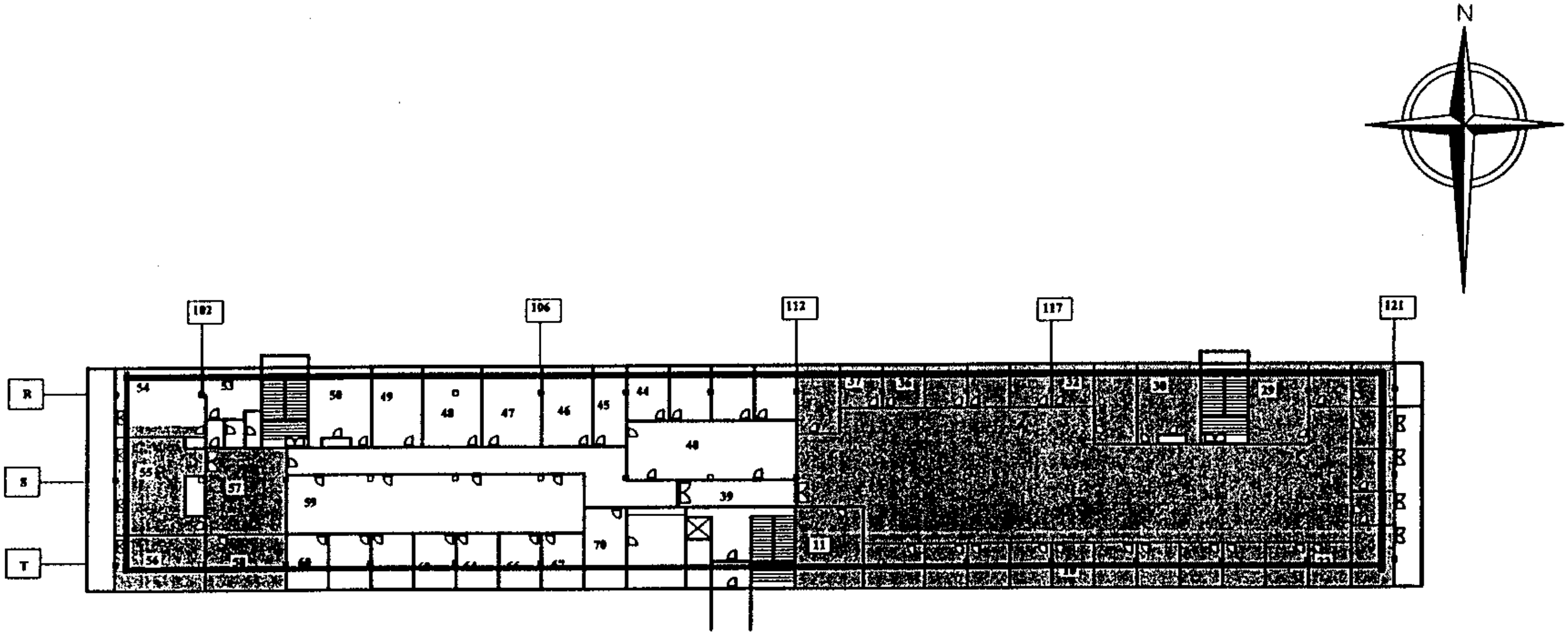
FIGURE 30
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION BUILDING FIRST FLOOR
ACM LOCATIONS



WINDOW CAULKING IS ACM

WALL JOINT COMPOUND IS ACM

LEGEND

▨ FLOOR TILE
☐ MASTIC ONLY
■ PIPE INSULATION
▩ PLASTER CEILING

EMCON

0 50 100

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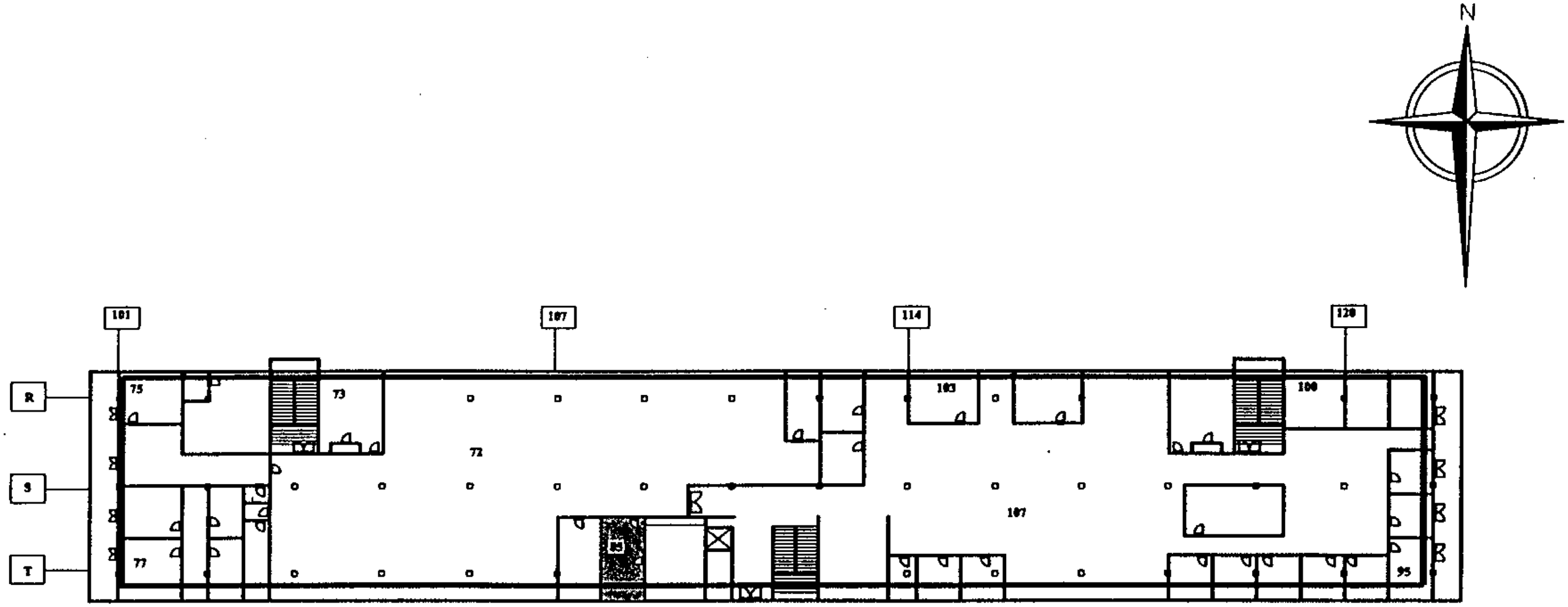
FIGURE 31
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION BUILDING SECOND FLOOR
ACM LOCATIONS



LEGEND

▨ FLOOR TILE
⬚ MASTIC ONLY
■ PIPE INSULATION
▧ PLASTER CEILING

WINDOW CAULKING IS ACM

WALL JOINT COMPOUND IS ACM

EMCON

0 50 100

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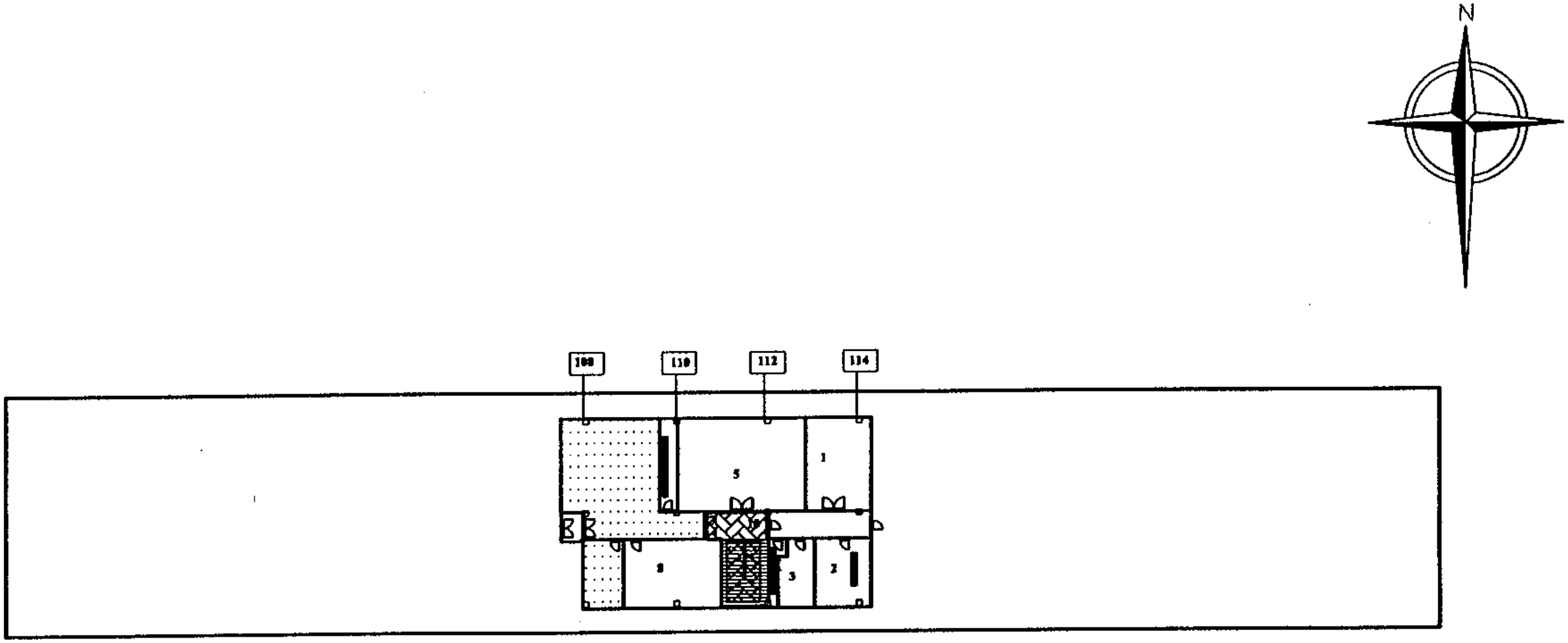
FIGURE 32
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION BUILDING THIRD FLOOR
ACM LOCATIONS



LEGEND

▨ FLOOR TILE
⬚ MASTIC ONLY
■ PIPE INSULATION
▩ PLASTER CEILING

WINDOW CAULKING IS ACM

WALL JOINT COMPOUND IS ACM

EMCON

0 50 100

DATE 11/97
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PROJECT NO.
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FIGURE 33
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION BUILDING PENTHOUSE
ACM LOCATIONS

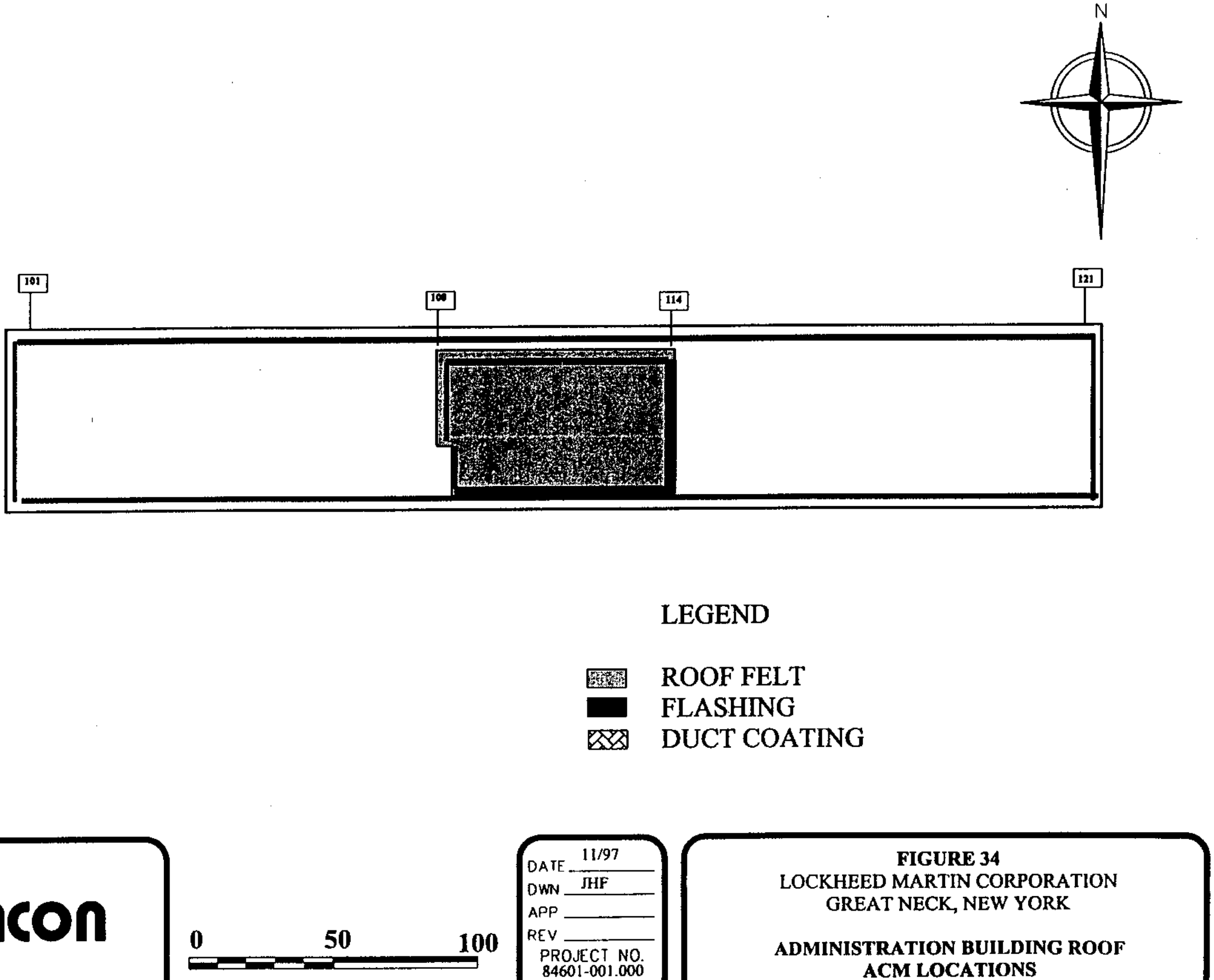

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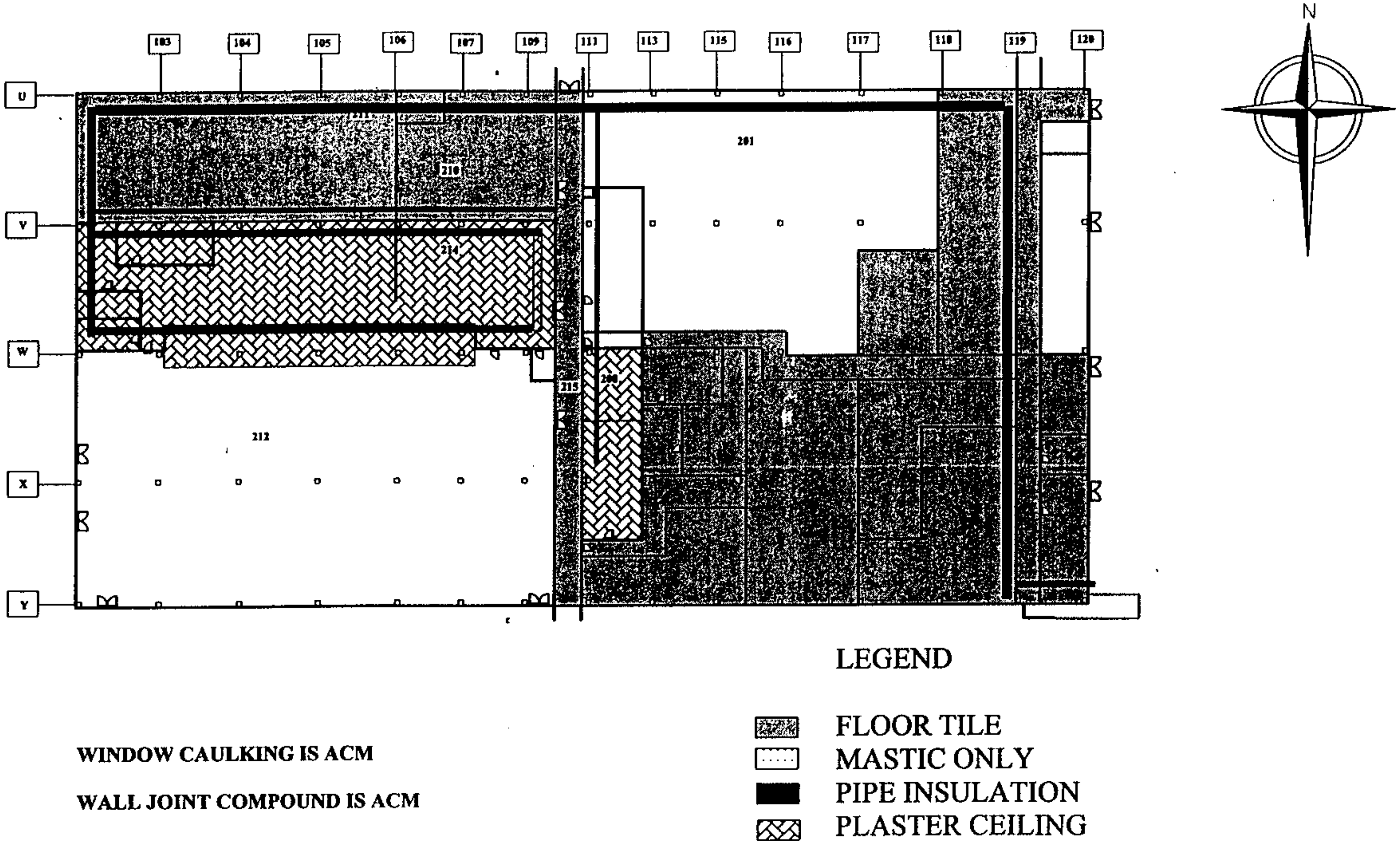
FIGURE 34
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION BUILDING ROOF
ACM LOCATIONS



WINDOW CAULKING IS ACM

WALL JOINT COMPOUND IS ACM

EMCON

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84601-001.000

FIGURE 35
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

SERVICE BUILDING GROUND FLOOR
ACM LOCATIONS

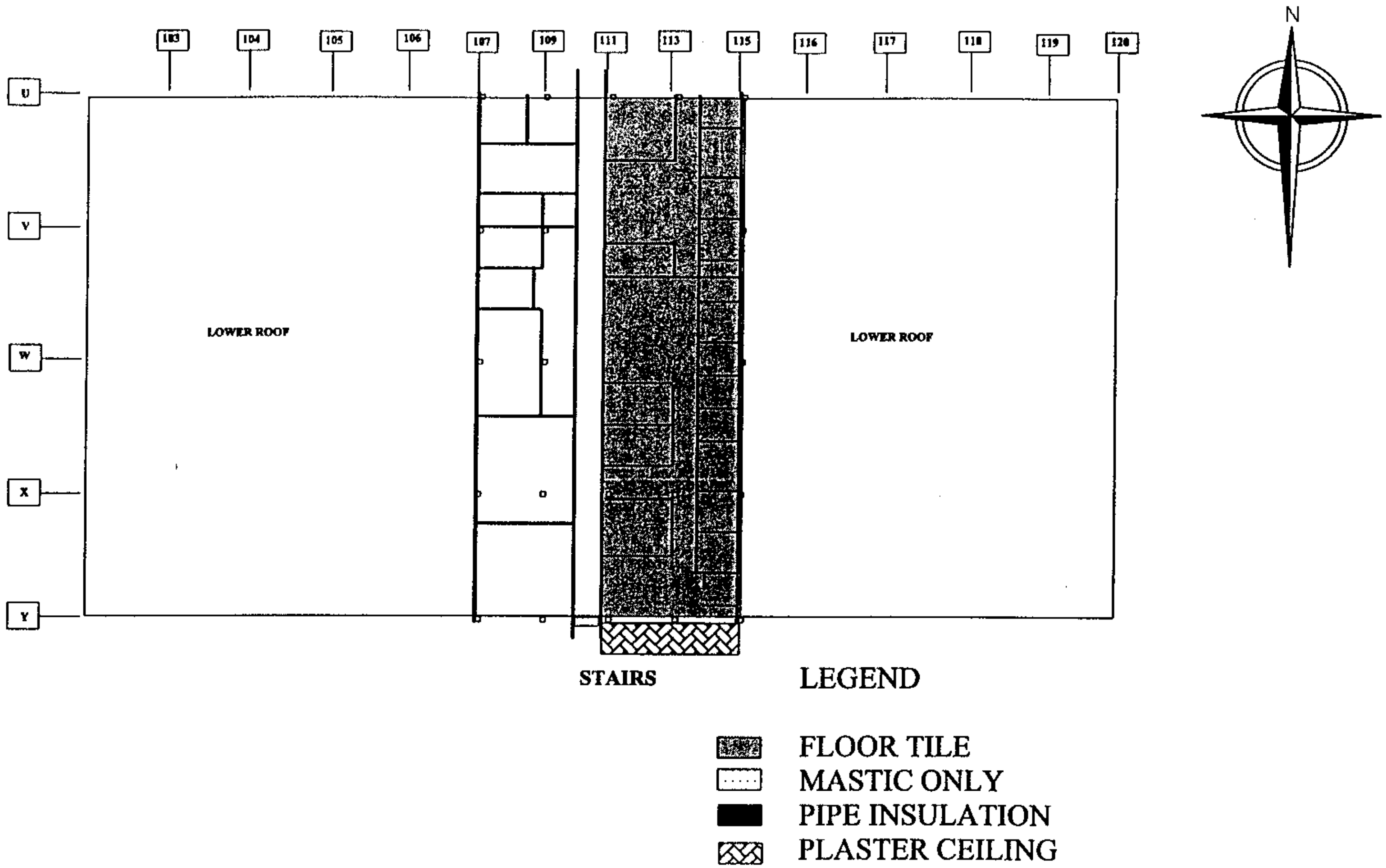

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FIGURE 36
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

SERVICE BUILDING MEZZANINE
ACM LOCATIONS

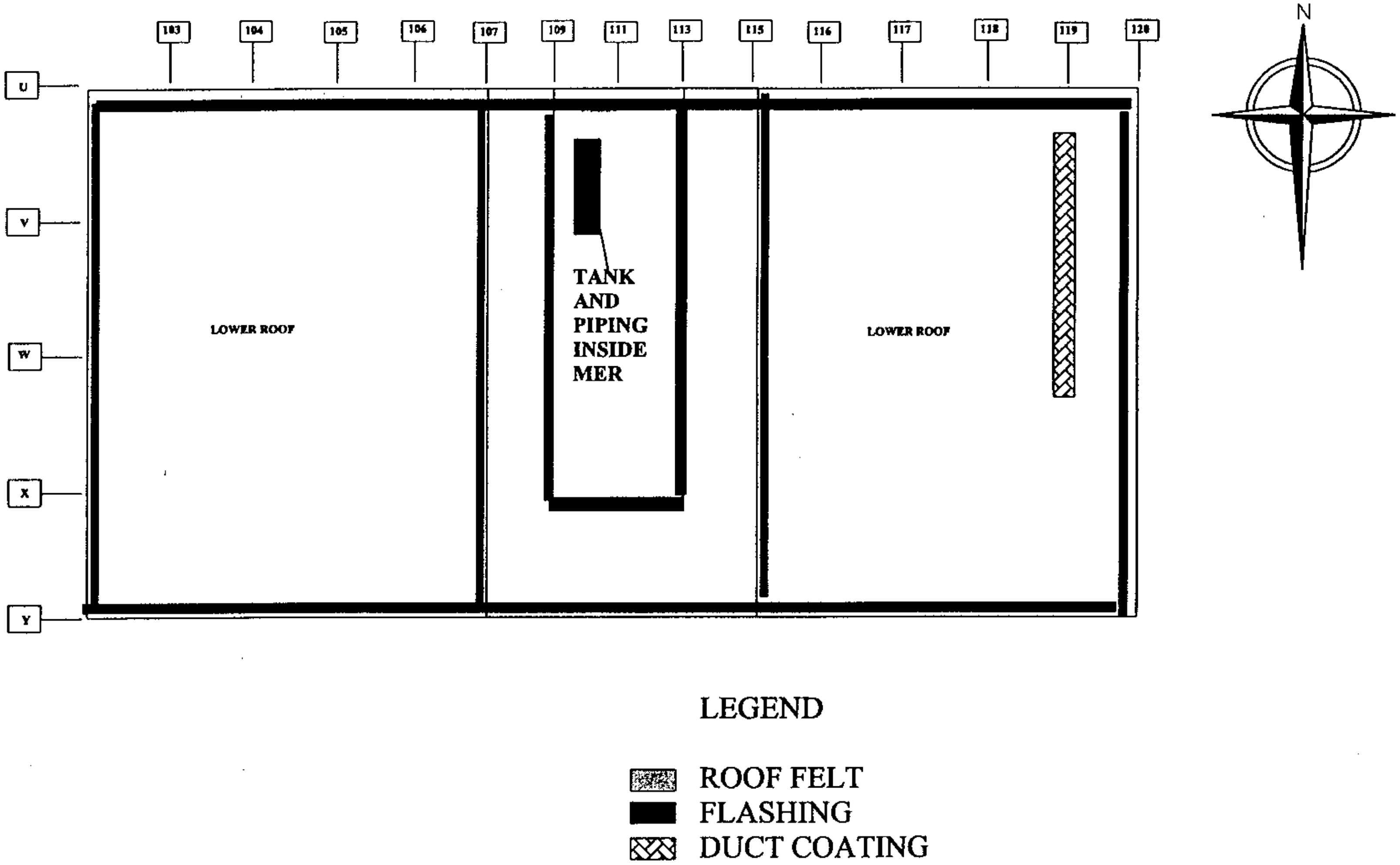

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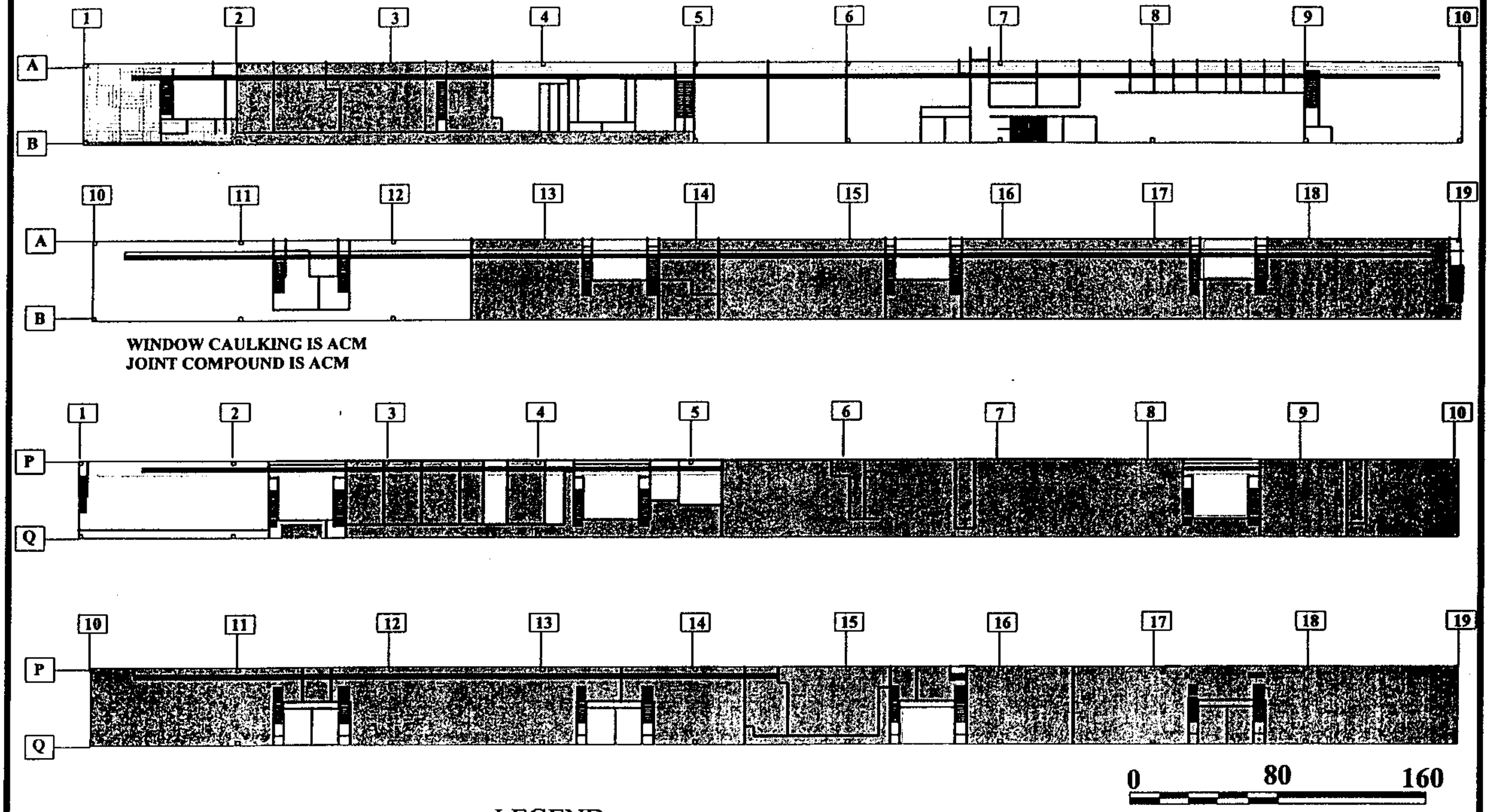
FIGURE 37
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

SERVICE BUILDING ROOF
ACM LOCATIONS



WINDOW CAULKING IS ACM
JOINT COMPOUND IS ACM

LEGEND

▨ FLOOR TILE
☐ MASTIC ONLY
■ PIPE INSULATION
⊠ PLASTER CEILING

EMCON

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FIGURE 39
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

MANUFACTURING BUILDING MEZZANINE
ACM LOCATIONS

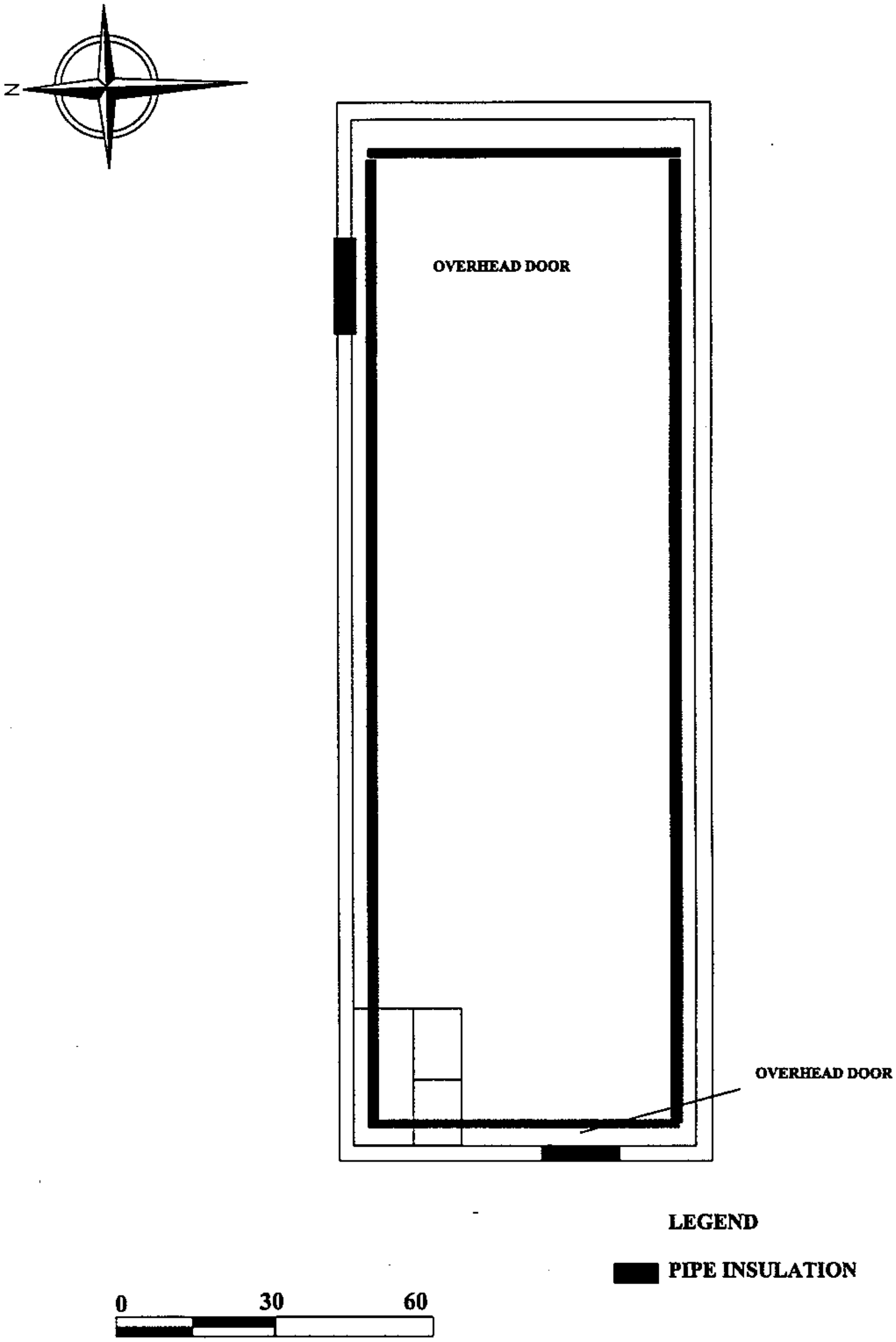

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FIGURE 41
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
GARAGE GROUND FLOOR
ACM LOCATIONS

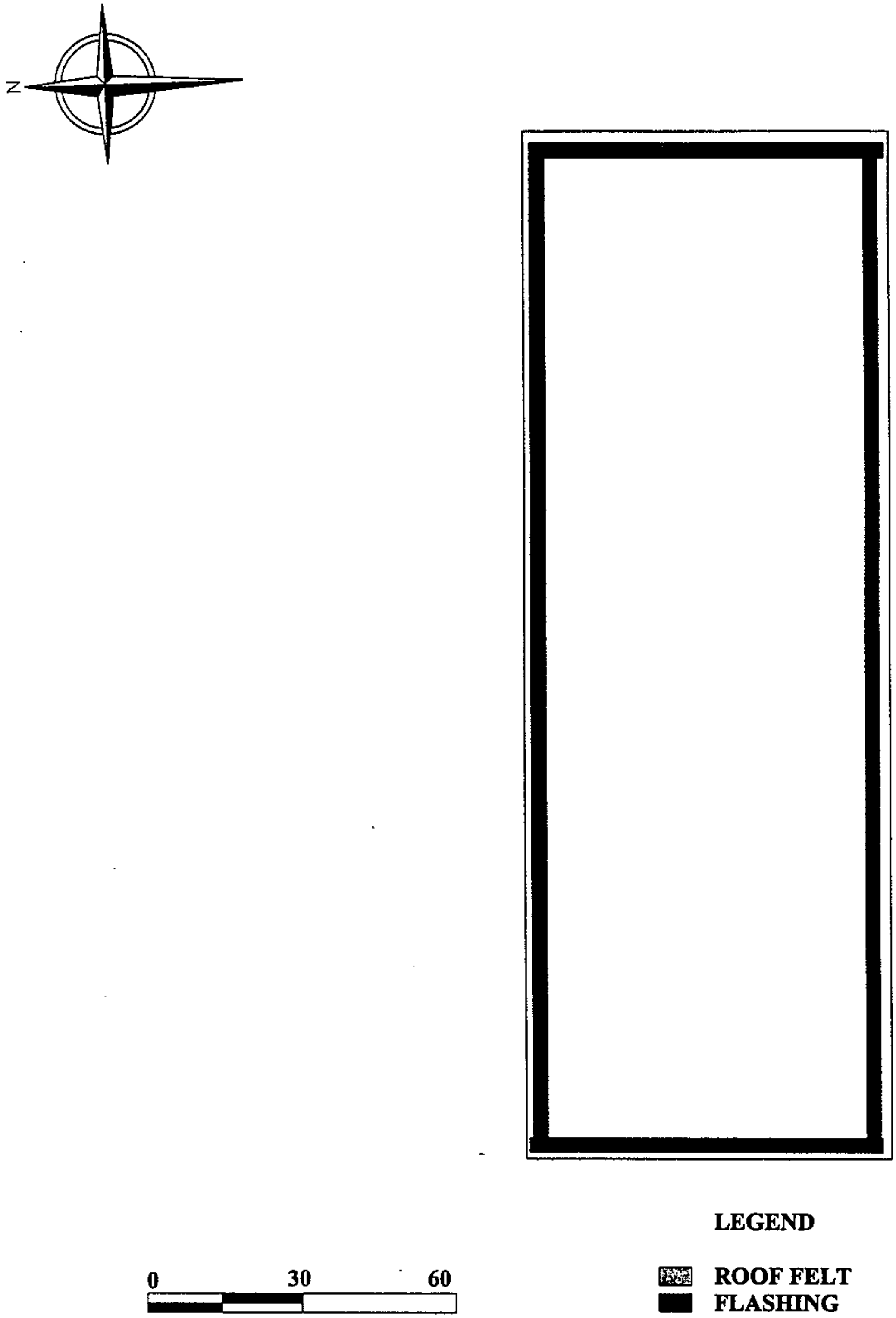

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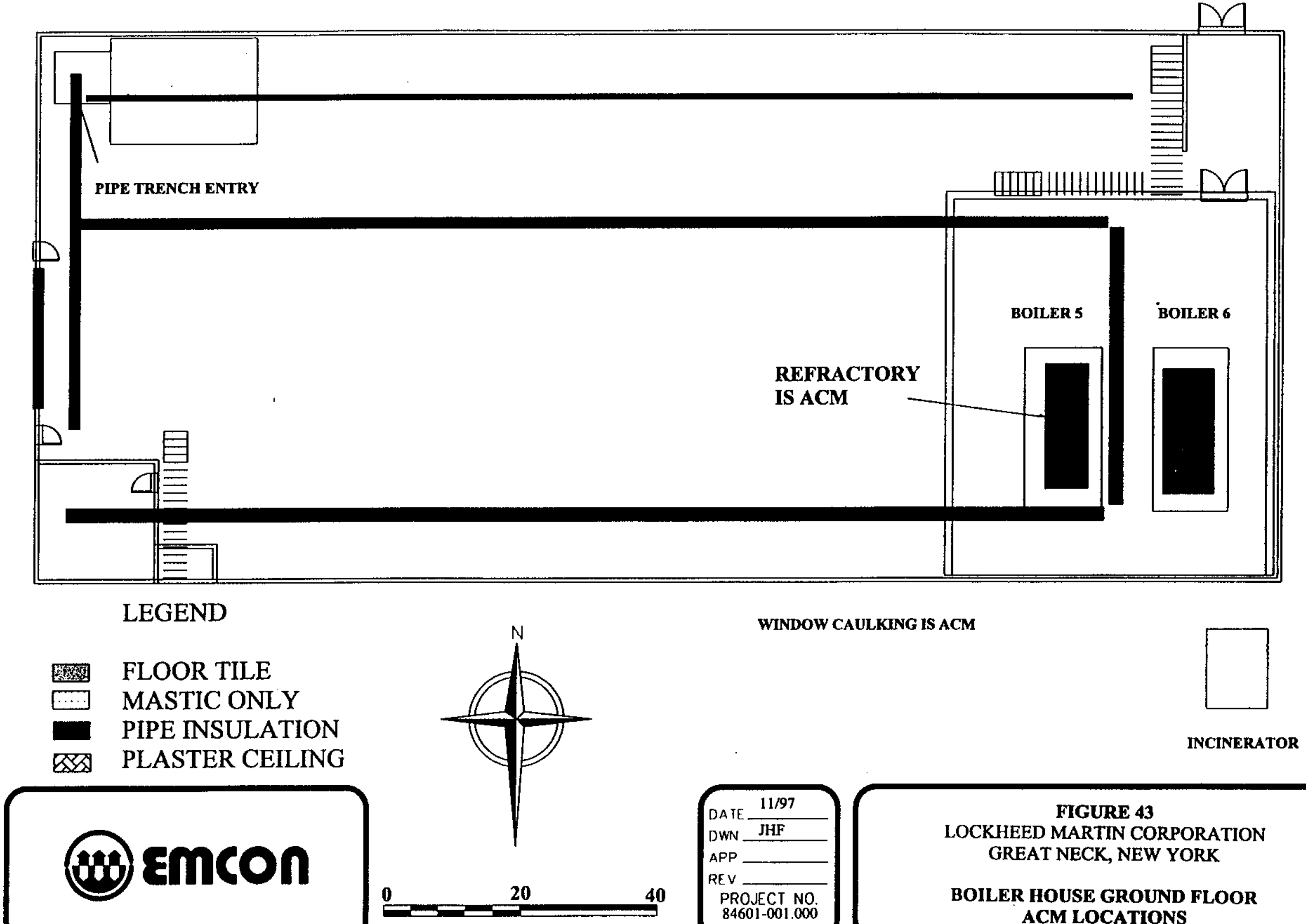
FIGURE 42
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

GARAGE ROOF
ACM LOCATIONS



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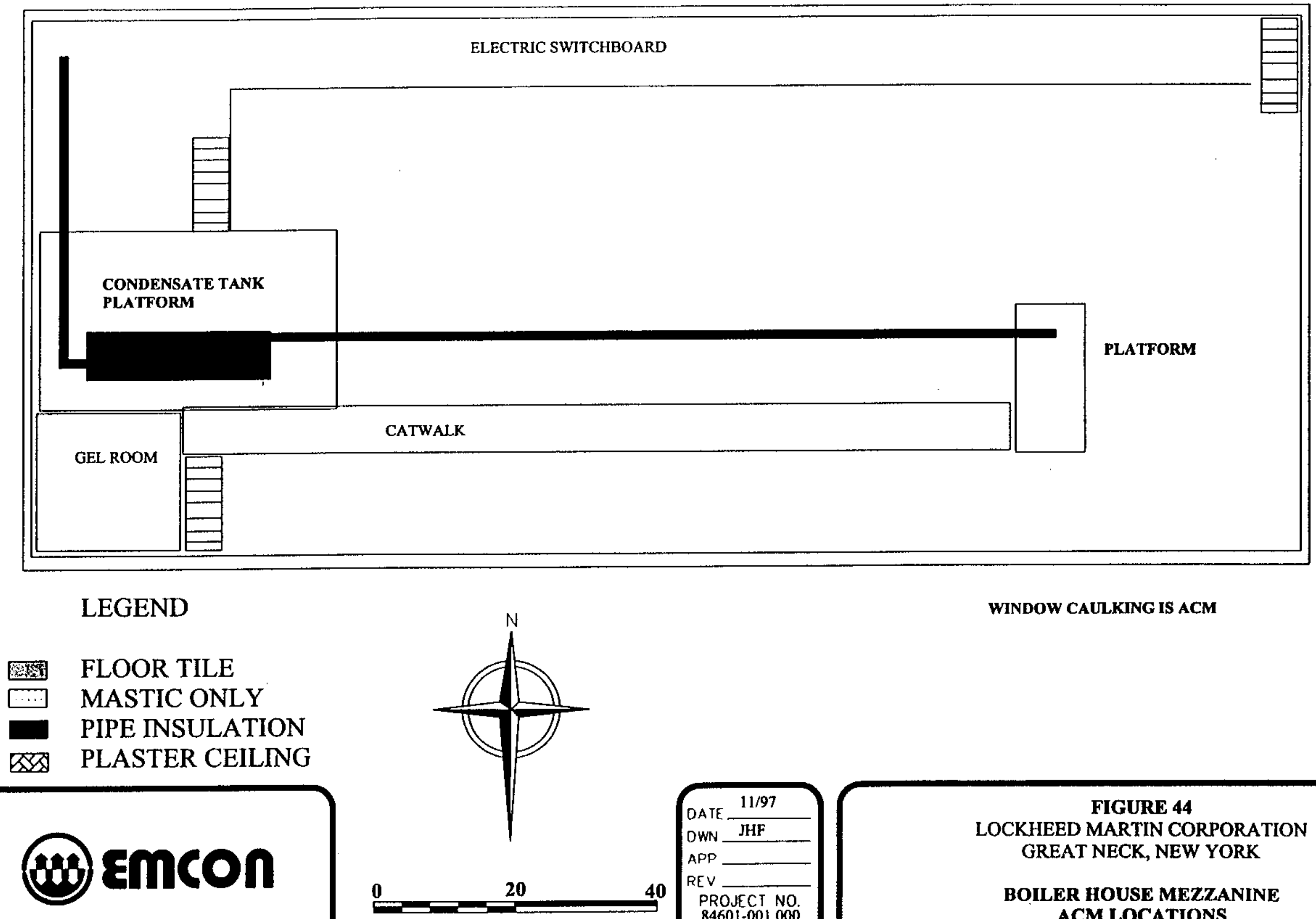
84601-001.000

FIGURE 43
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

BOILER HOUSE GROUND FLOOR
ACM LOCATIONS



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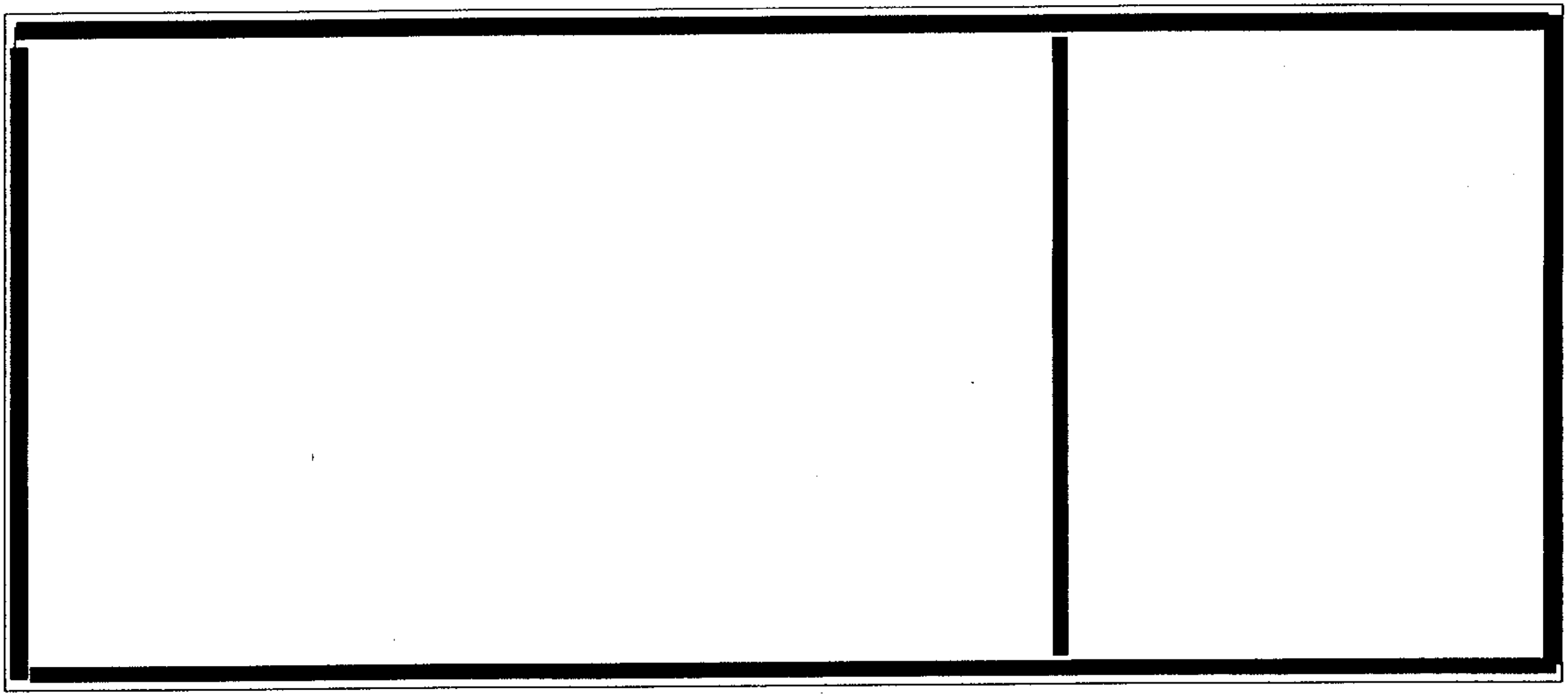
PROJECT NO. 84601-001.000

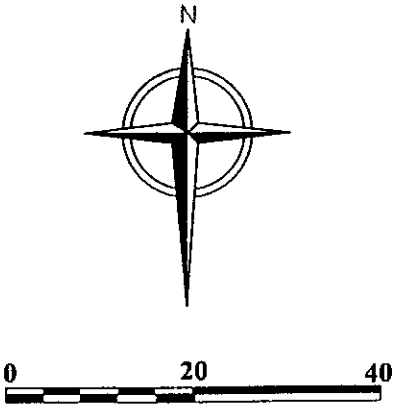
FIGURE 44
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

BOILER HOUSE MEZZANINE
ACM LOCATIONS



LEGEND

▨ ROOF FELT
■ FLASHING
▨ DUCT COATING



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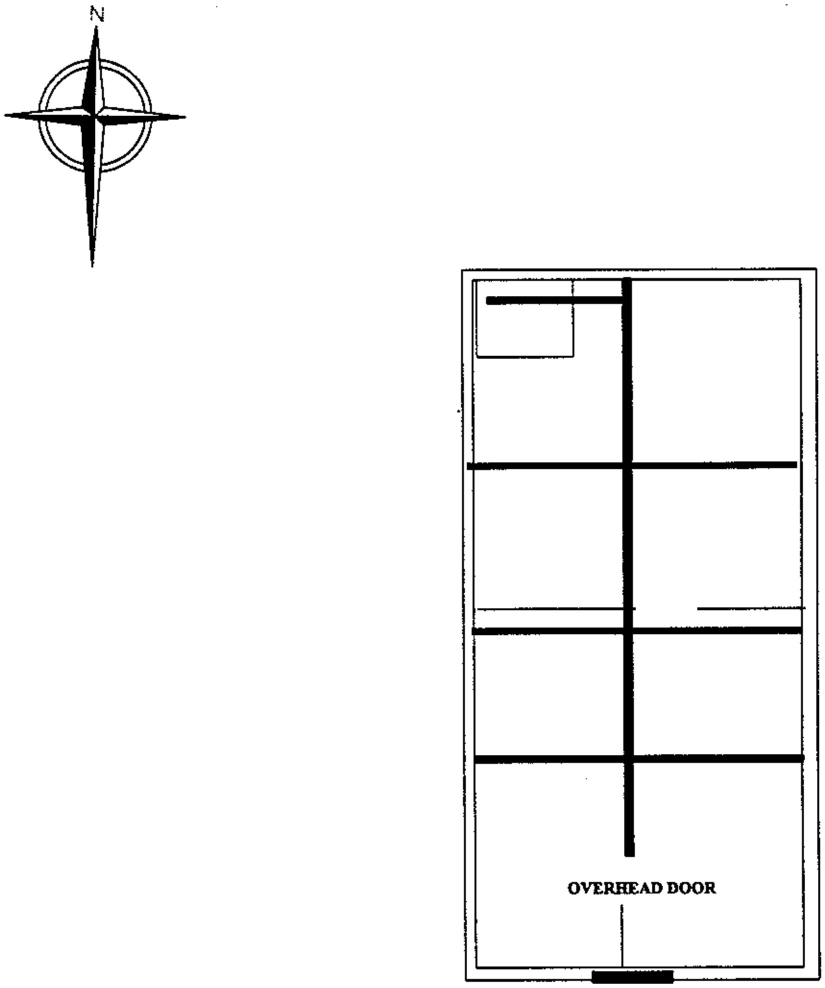
84601-001.000

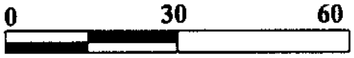
FIGURE 45
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

BOILER HOUSE ROOF
ACM LOCATIONS



LEGEND

■ **PIPE INSULATION**



EMCON

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FIGURE 46

LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

MAINTENANCE GROUND FLOOR ACM LOCATIONS

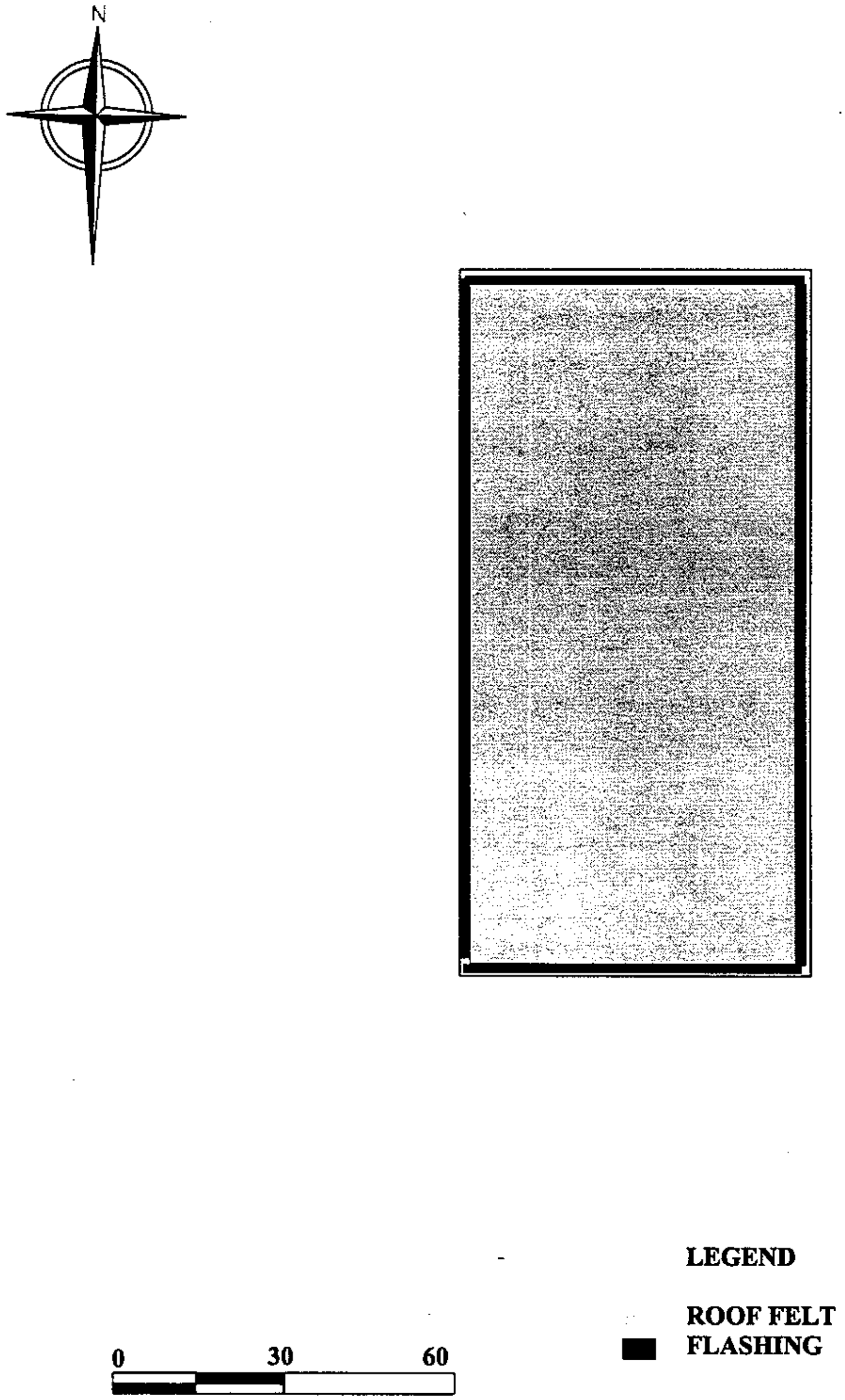

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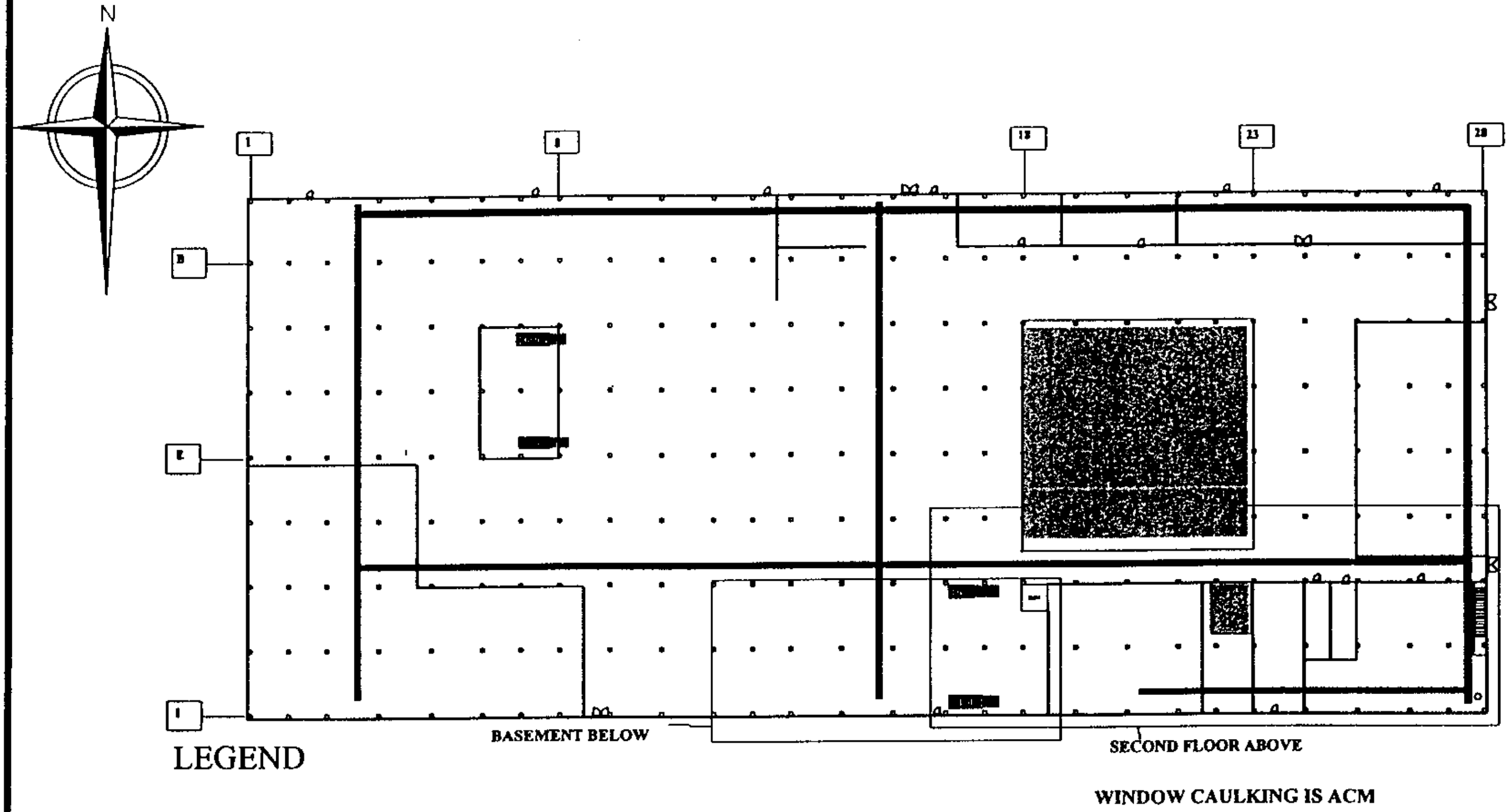
FIGURE 47
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
MAINTENANCE ROOF
ACM LOCATIONS



WINDOW CAULKING IS ACM

LEGEND

- ▨ FLOOR TILE
- ☐ MASTIC ONLY
- ■ PIPE INSULATION
- ▧ PLASTER CEILING

EMCON

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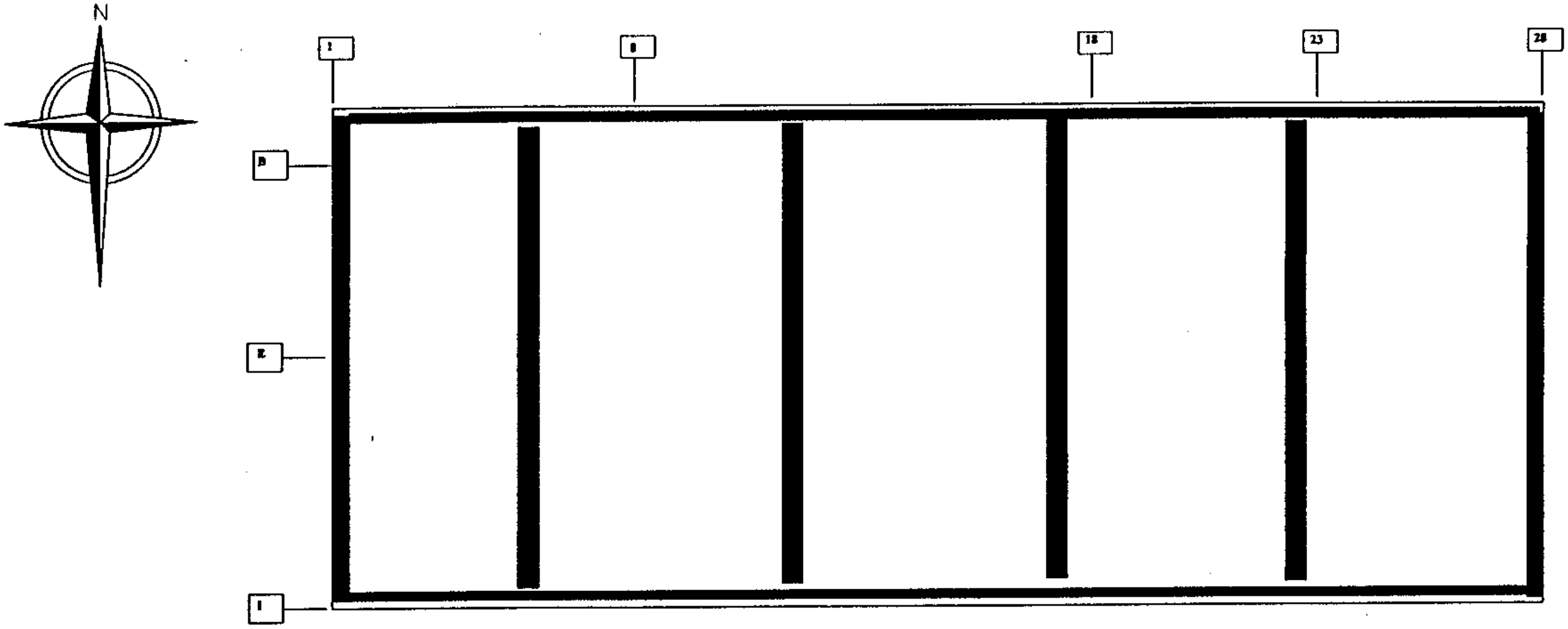
FIGURE 48
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

FOUNDRY GROUND FLOOR
ACM LOCATIONS



LEGEND

▨ ROOF FELT
■ FLASHING

emcon

0 80 160

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FIGURE 49
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

FOUNDRY ROOF
ACM LOCATIONS

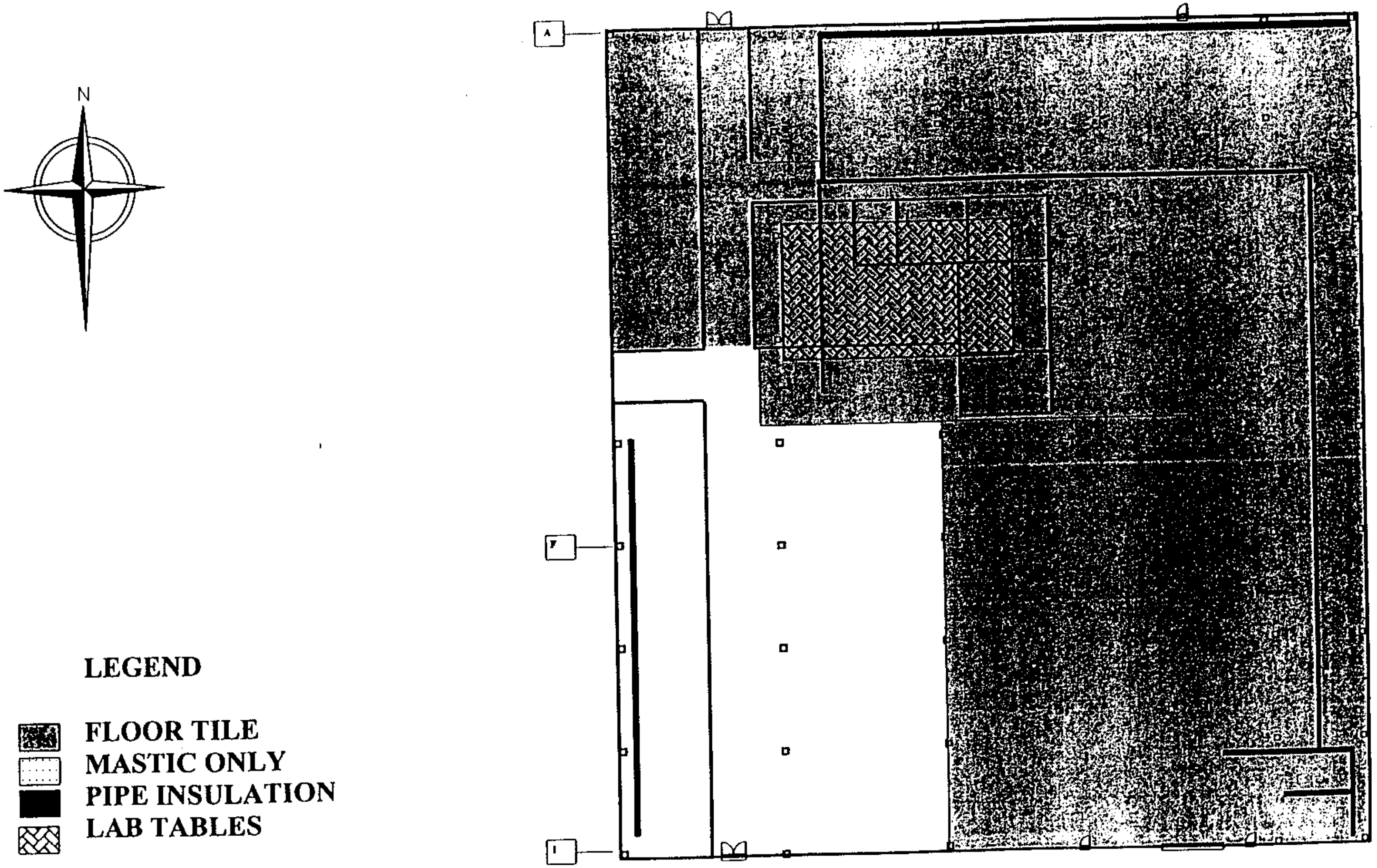

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FIGURE 50
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
ENVIRONMENTAL TEST BUILDING GROUND
FLOOR
ACM LOCATIONS

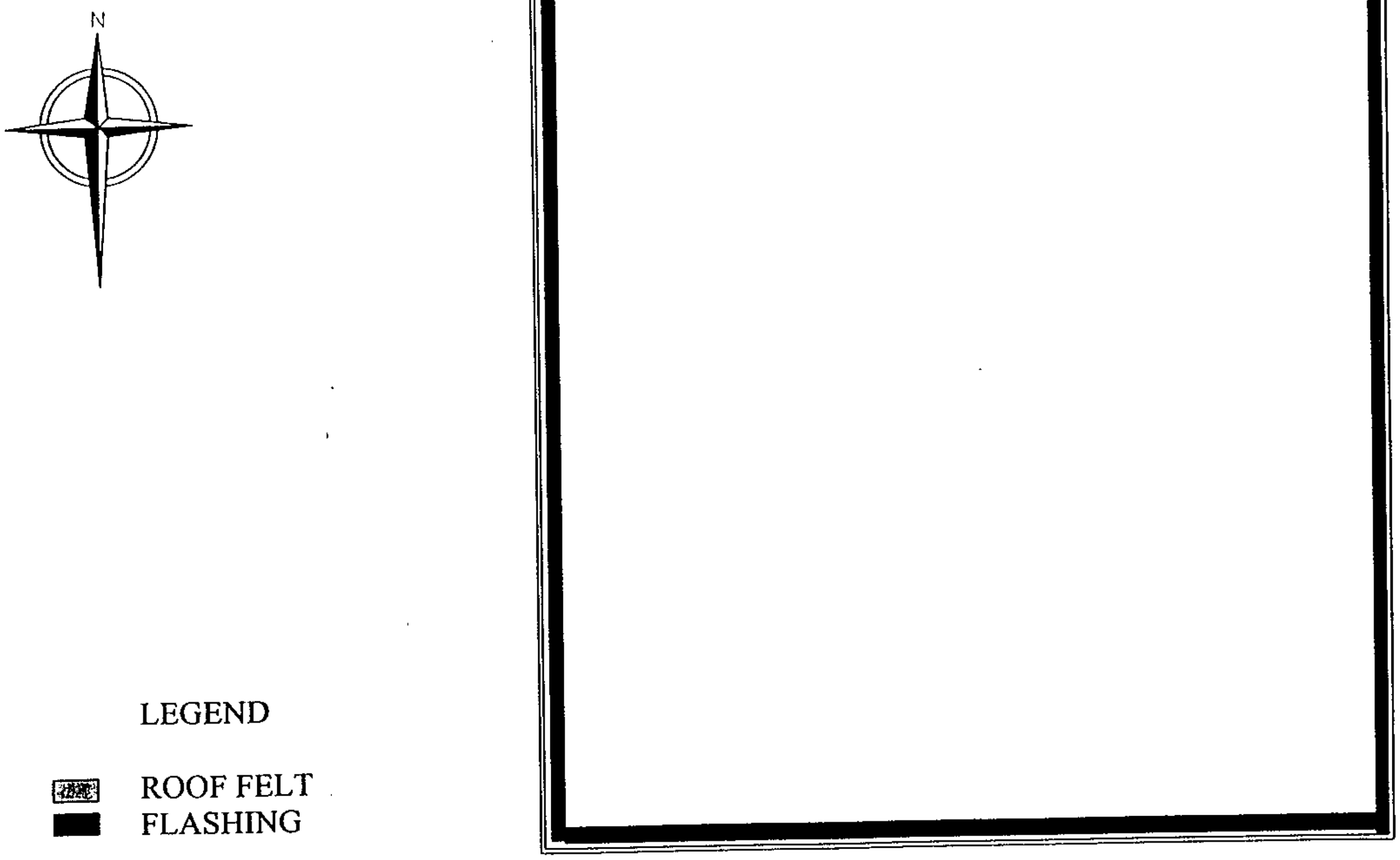

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FIGURE 51
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ENVIRONMENTAL TEST BUILDING ROOF
ACM LOCATIONS

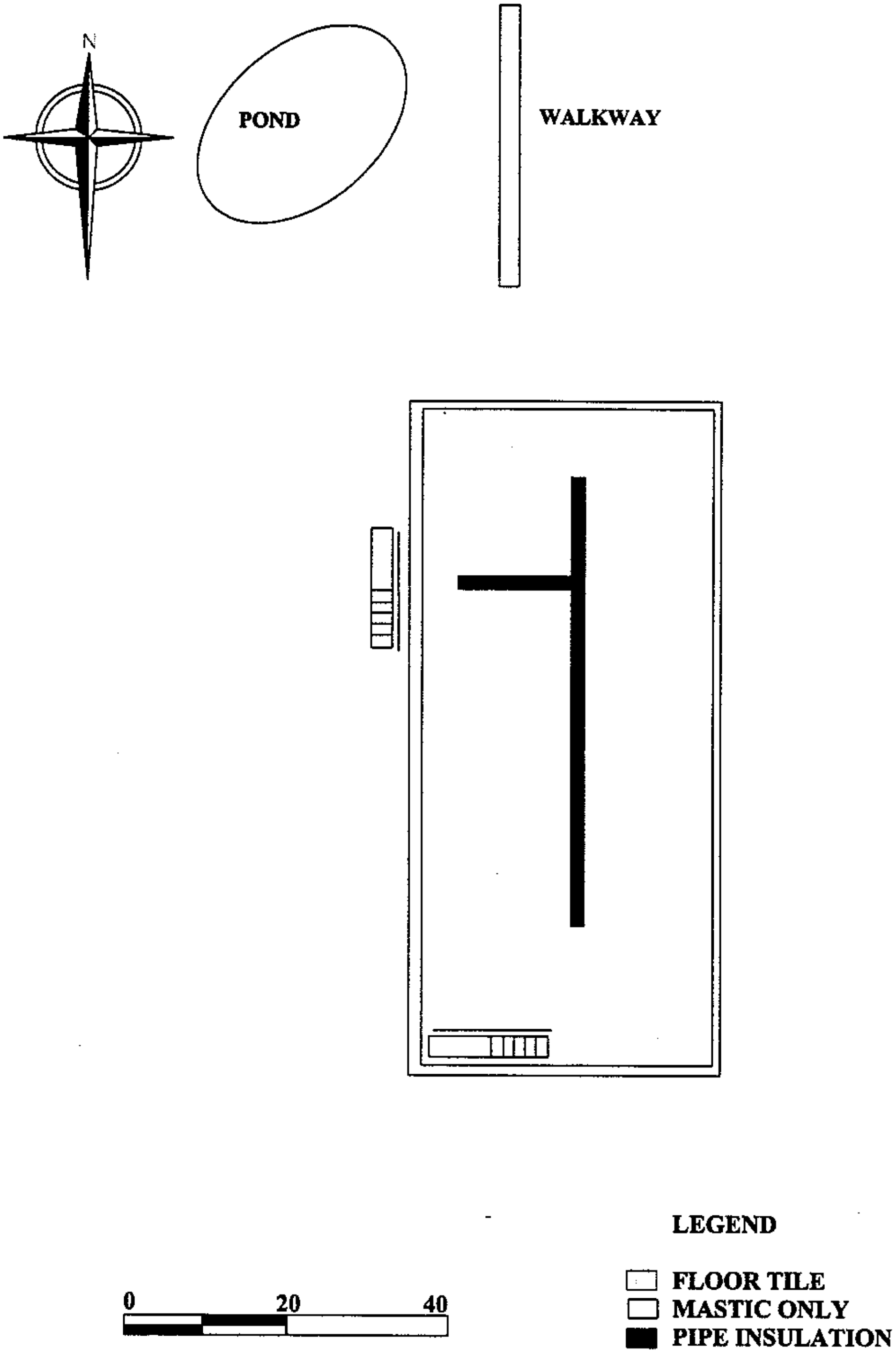

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FIGURE 52
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
LAKEHOUSE BASEMENT
ACM LOCATIONS

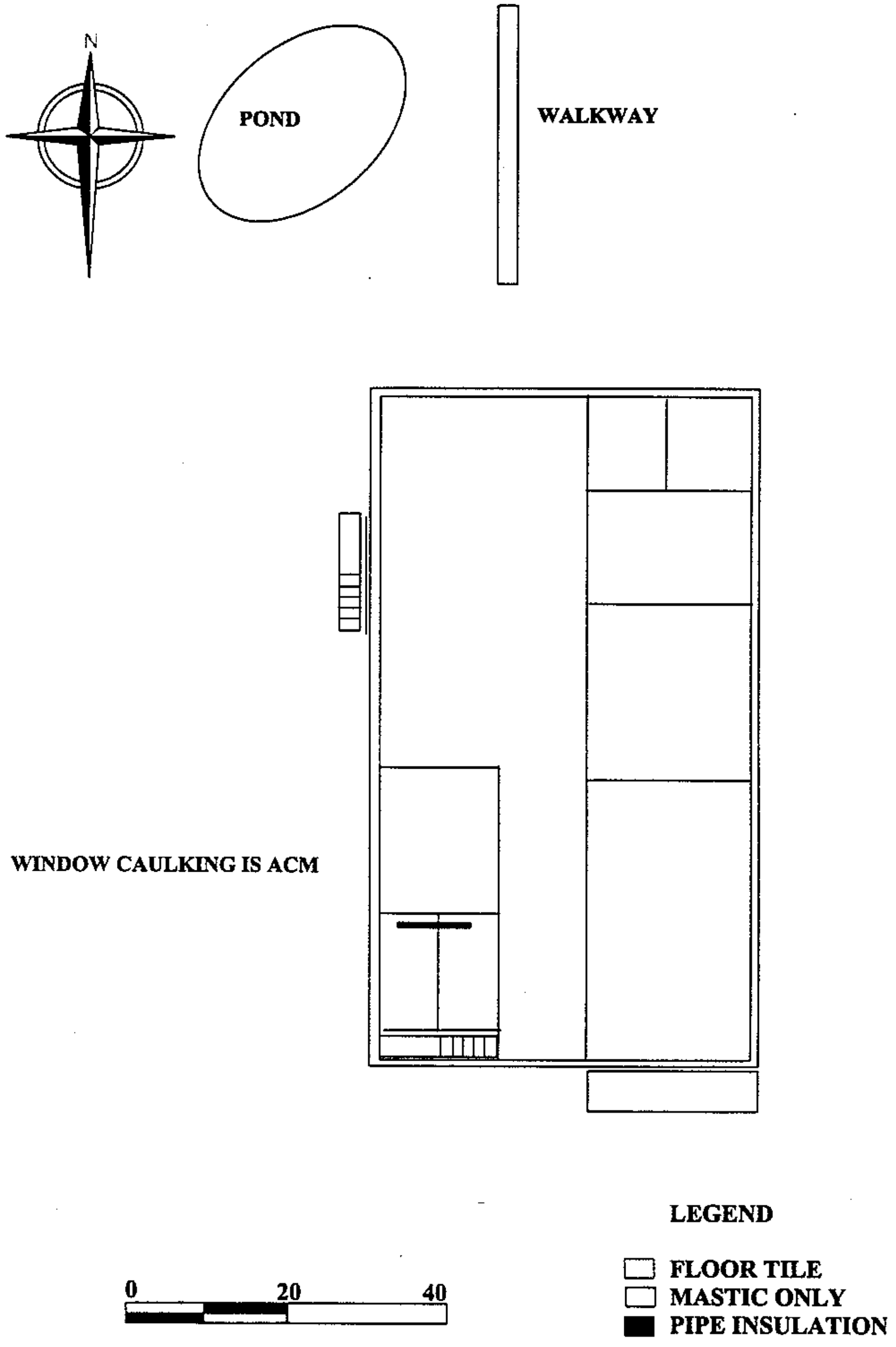

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FIGURE 53
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
LAKEHOUSE GROUND FLOOR ACM LOCATIONS

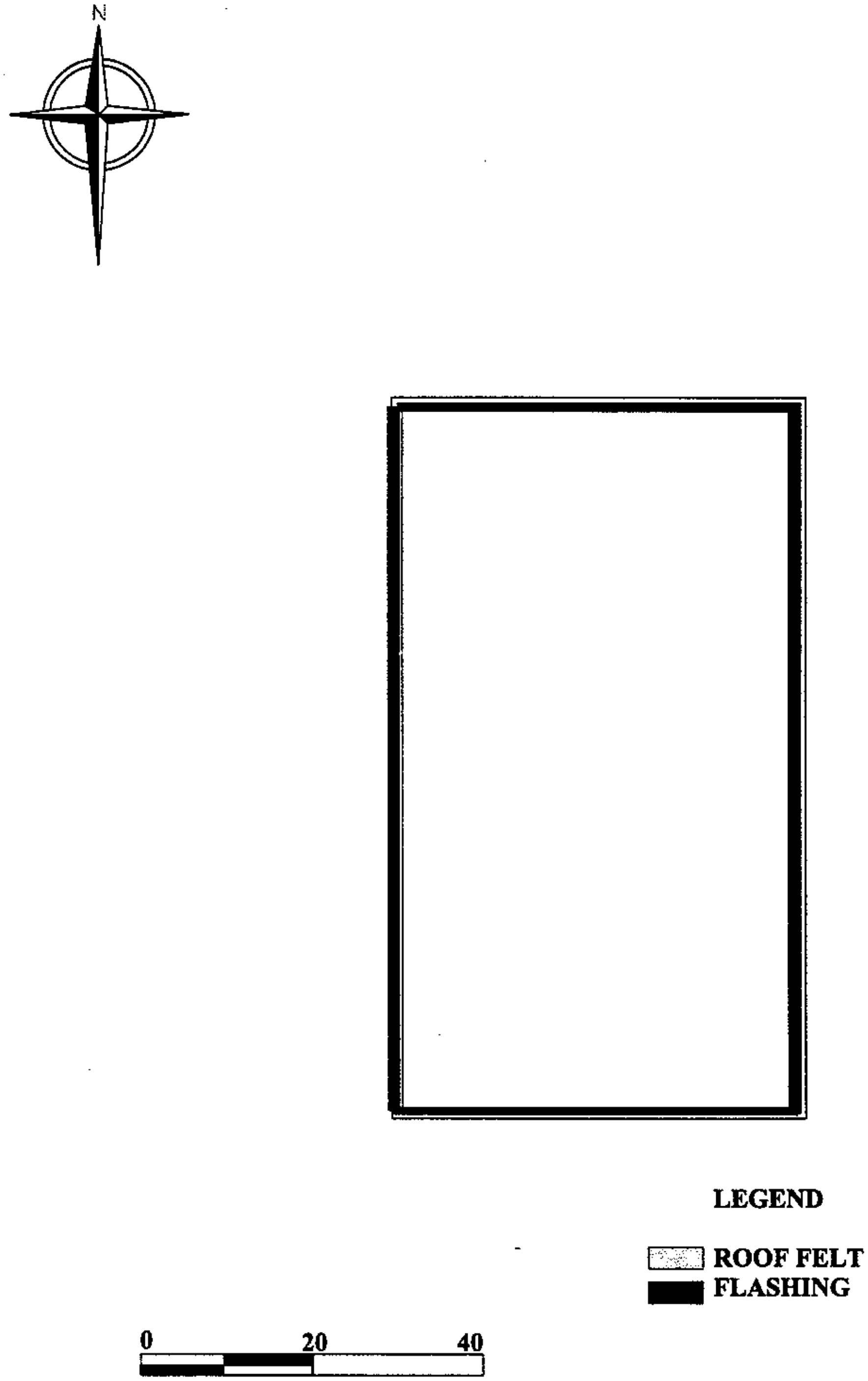

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FIGURE 54

LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

LAKEHOUSE ROOF
ACM LOCATIONS

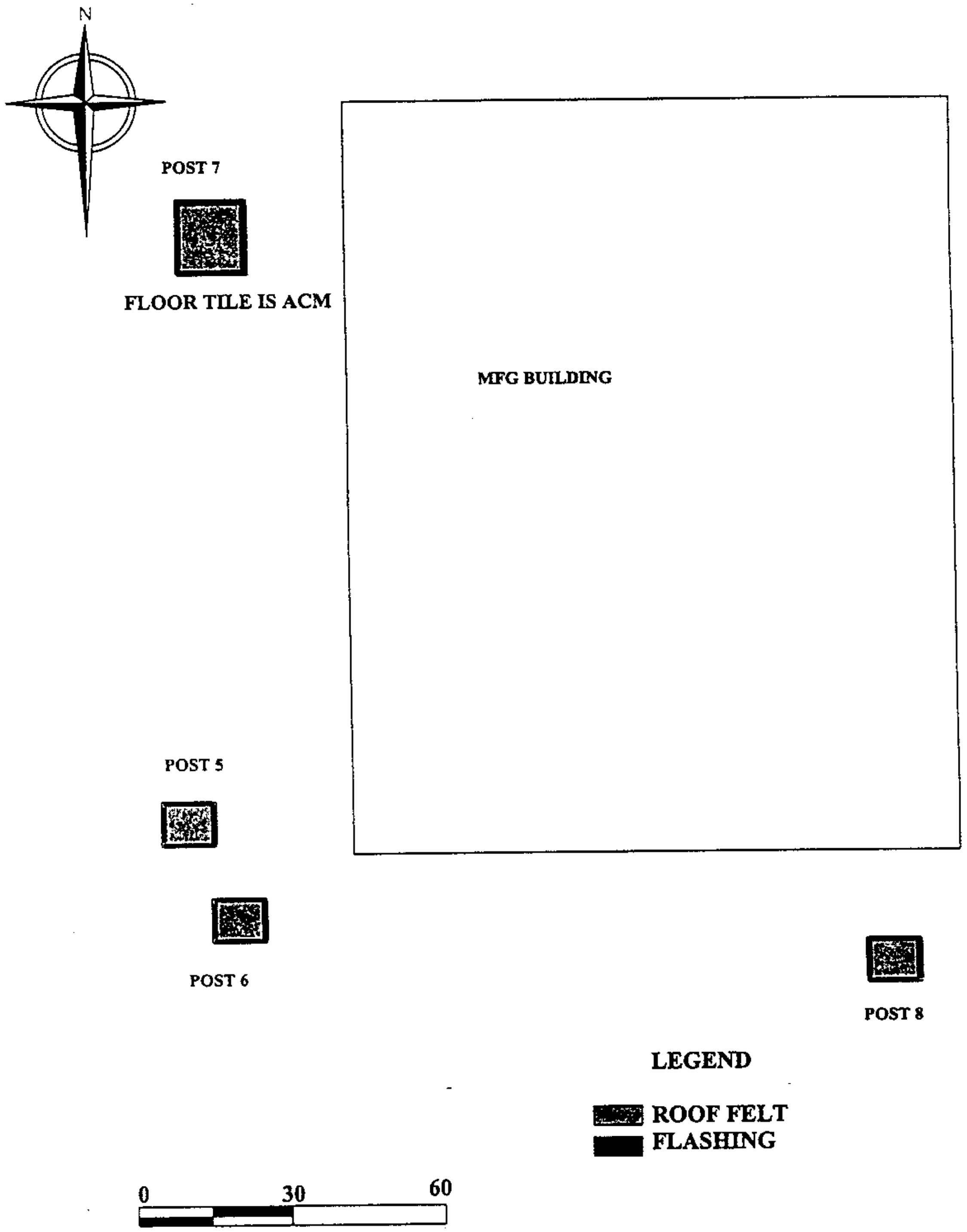

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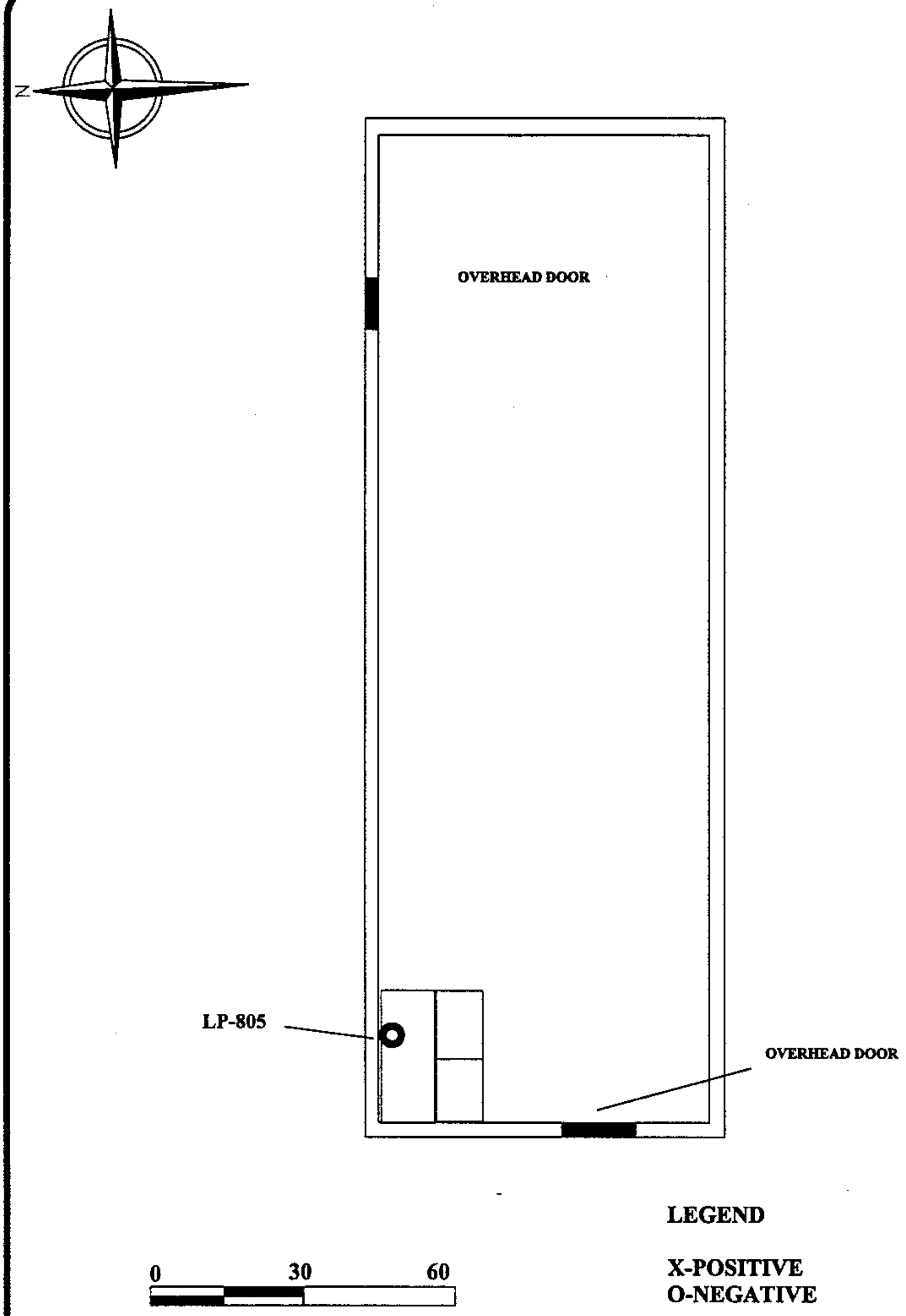
FIGURE 55
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

SECURITY POSTS
ACM LOCATIONS



LEGEND

X-POSITIVE
O-NEGATIVE

EMCON

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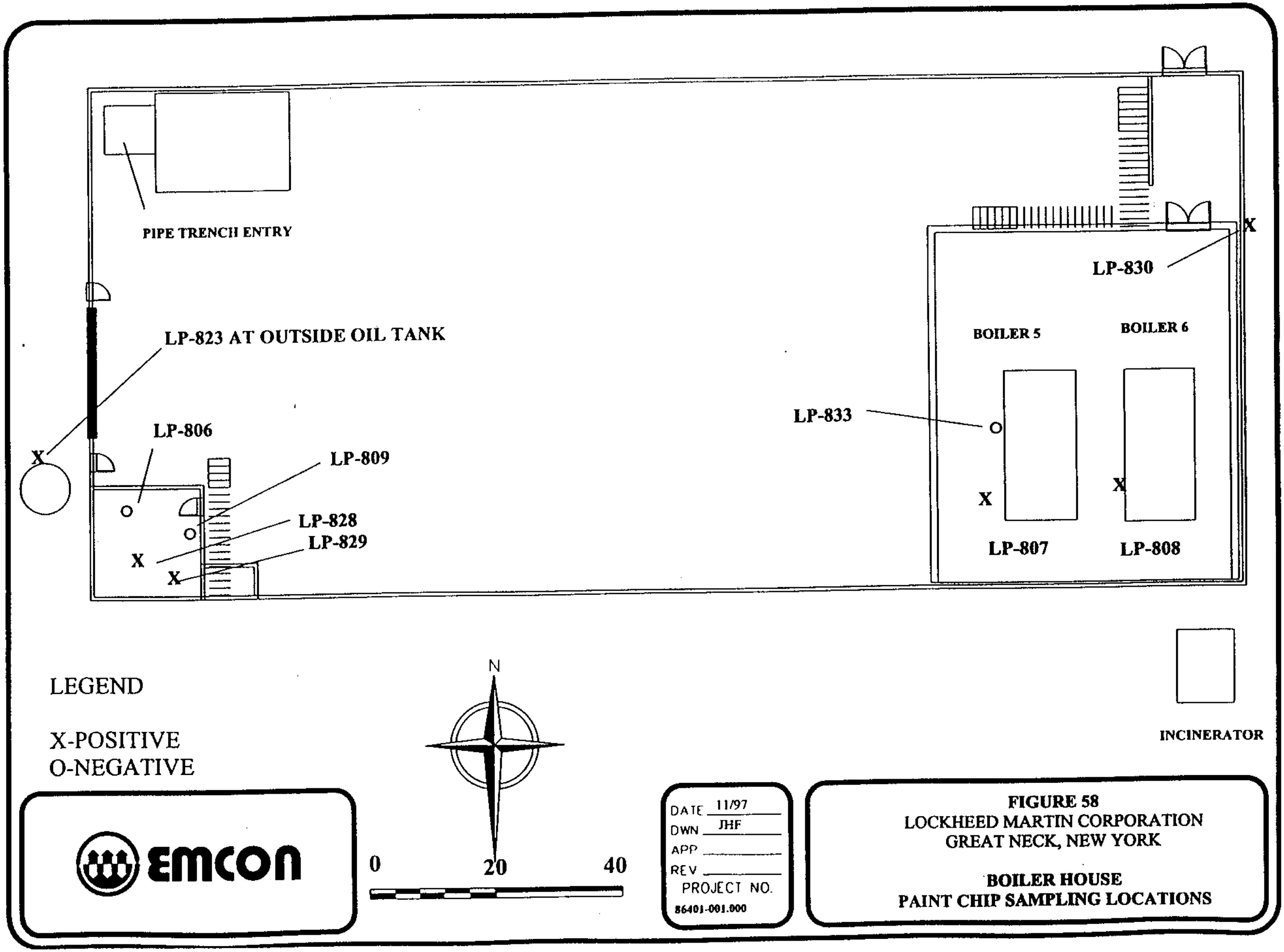
FIGURE 57
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
GARAGE
PAINT CHIP SAMPLING LOCATIONS



LEGEND

X-POSITIVE
O-NEGATIVE

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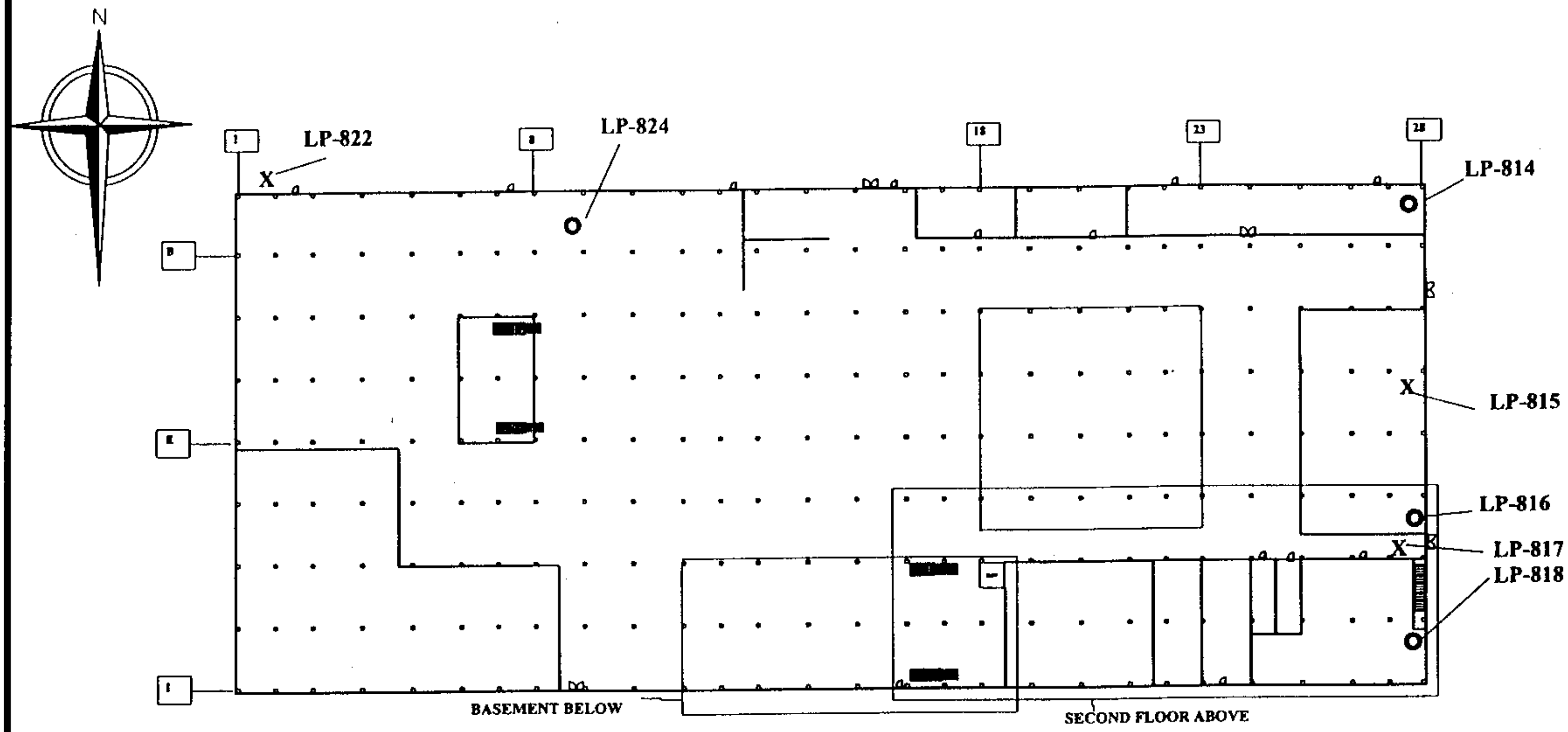
FIGURE 58
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

BOILER HOUSE
PAINT CHIP SAMPLING LOCATIONS



LEGEND

X-POSITIVE
O-NEGATIVE

EMCON

0 80 160

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FIGURE 59
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

FOUNDRY
PAINT CHIP SAMPLING LOCATIONS

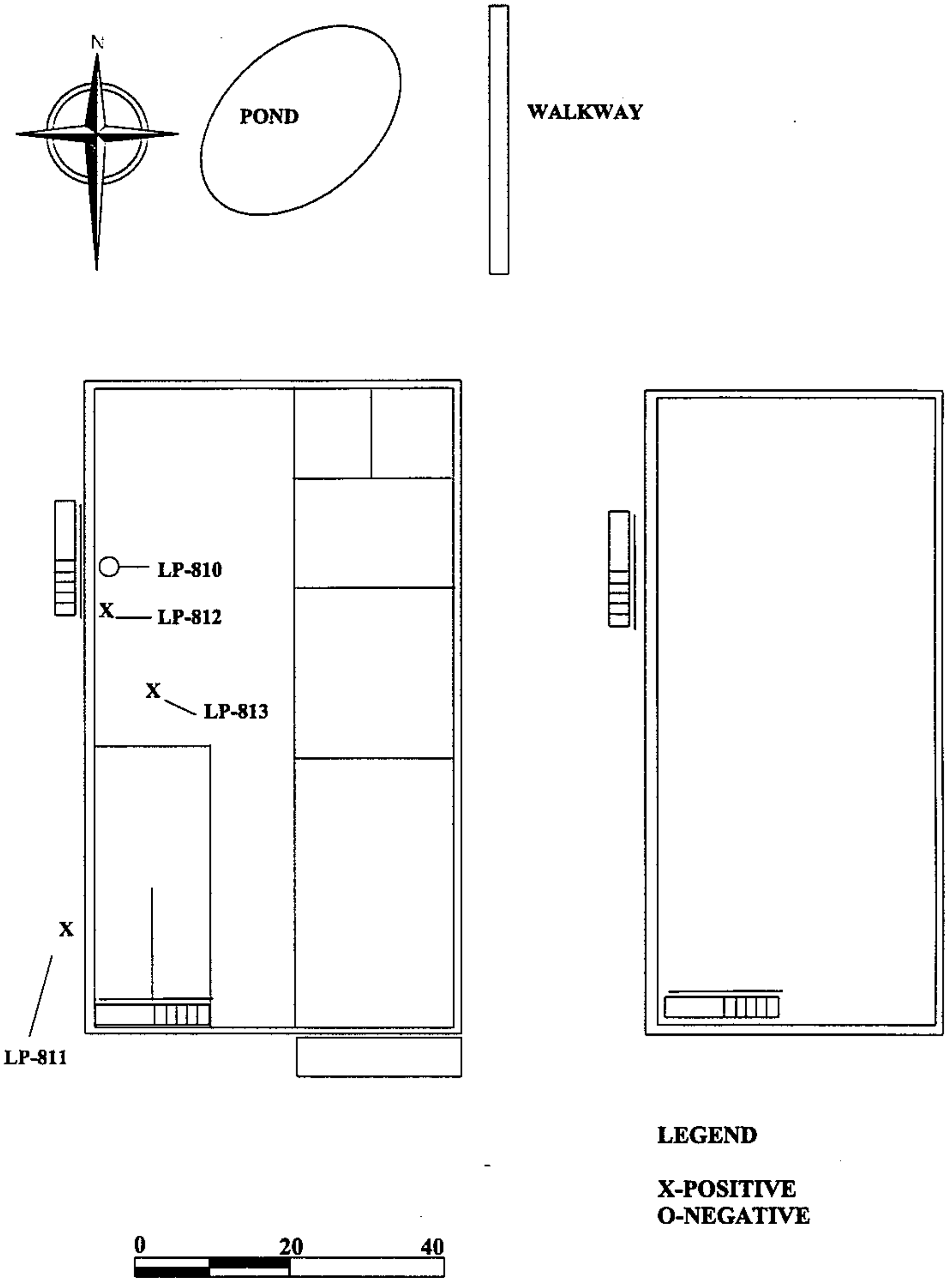

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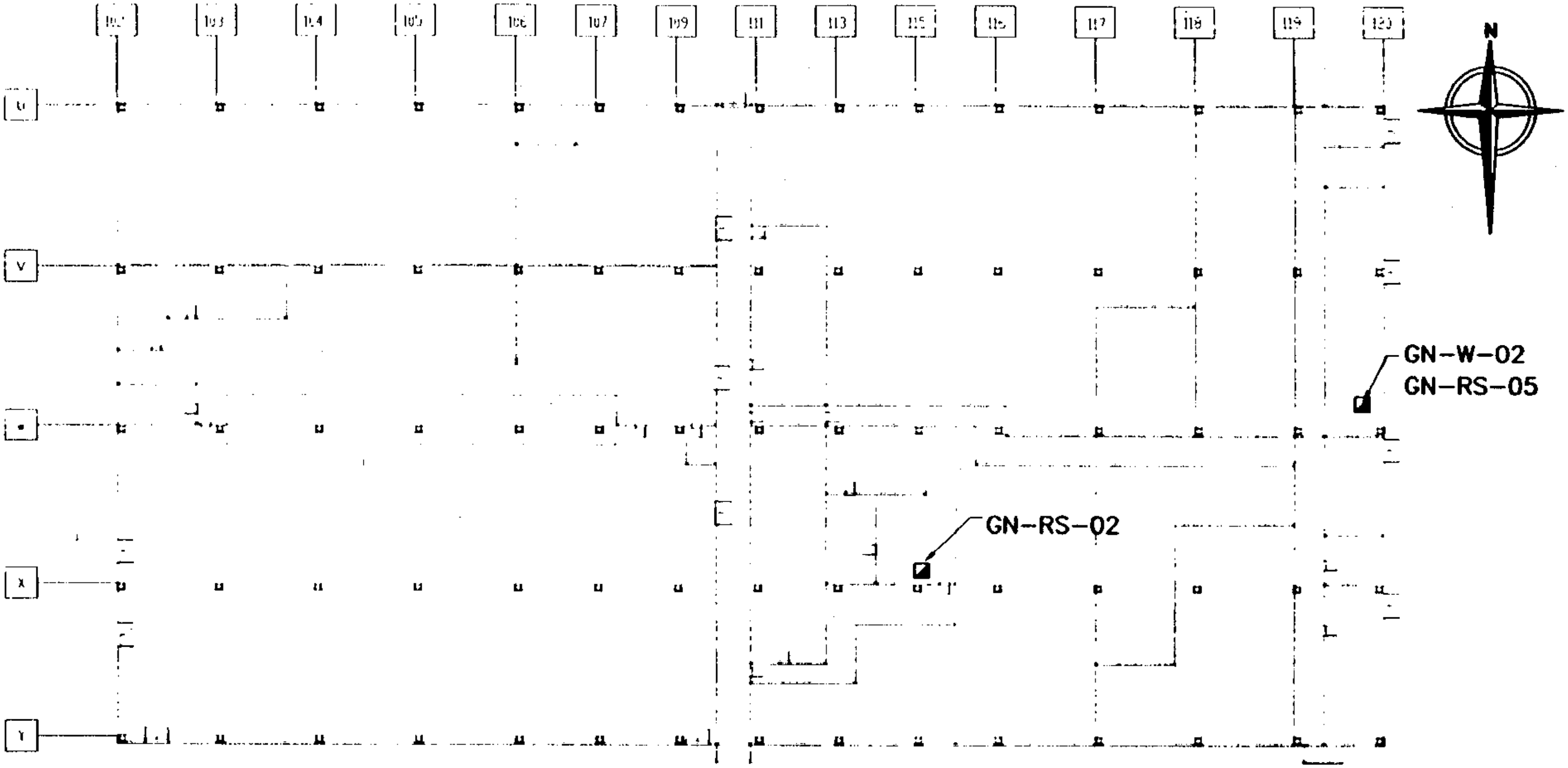
FIGURE 60
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
LAKEHOUSE
PAINT CHIP SAMPLING LOCATIONS

ENE-MTOWN2/DATA: N:\DWG\86401001\MALMF-03.dwg Xrefs: MALMBD02, MALMMF02
Scale: 1 = 1.00 DimScale 1 = 30.00 Date: 1/9/98 Time: 11:35 AM Operator: DTICE



LEGEND:

GN-W-02
◪ SAMPLE LOCATIONS

0 40 80
SCALE IN FEET

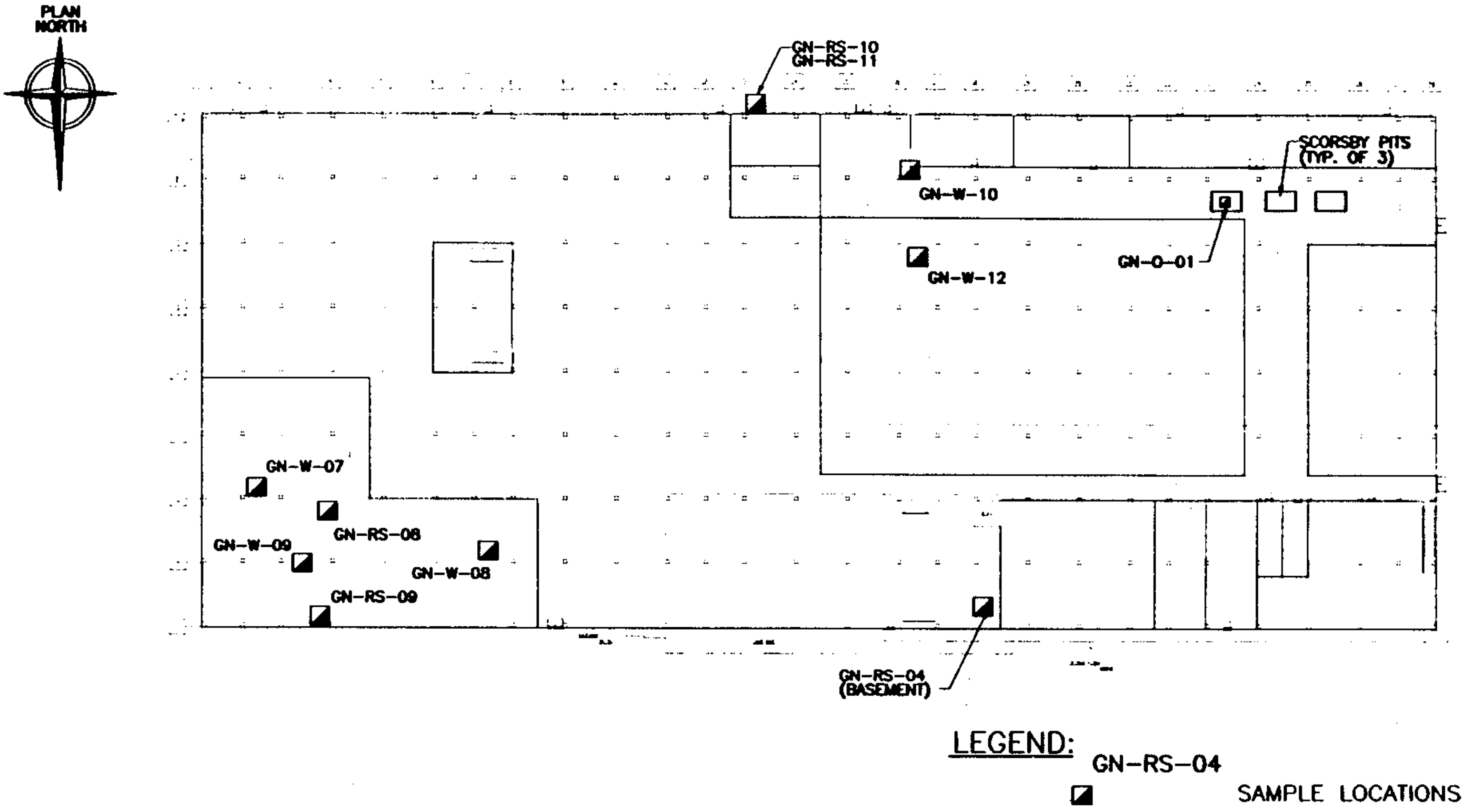
emcon

DATE 10/97
DWN FDG
APP
REV
PROJECT NO.
86401-001.000

FIGURE 62
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

ADMINISTRATION/SERVICE ENVIRONMENTAL SAMPLE LOCATION

ENE-MTOWN2/DATA: N:\DWG\86401001\MALMF-07.dwg Xrefs: MALMFN01, MALMBD02
Scale: 1 = 1.00 DimScale: 1 = 40.00 Date: 1/9/98 Time: 11:38 AM Operator: DTICE



EMCON

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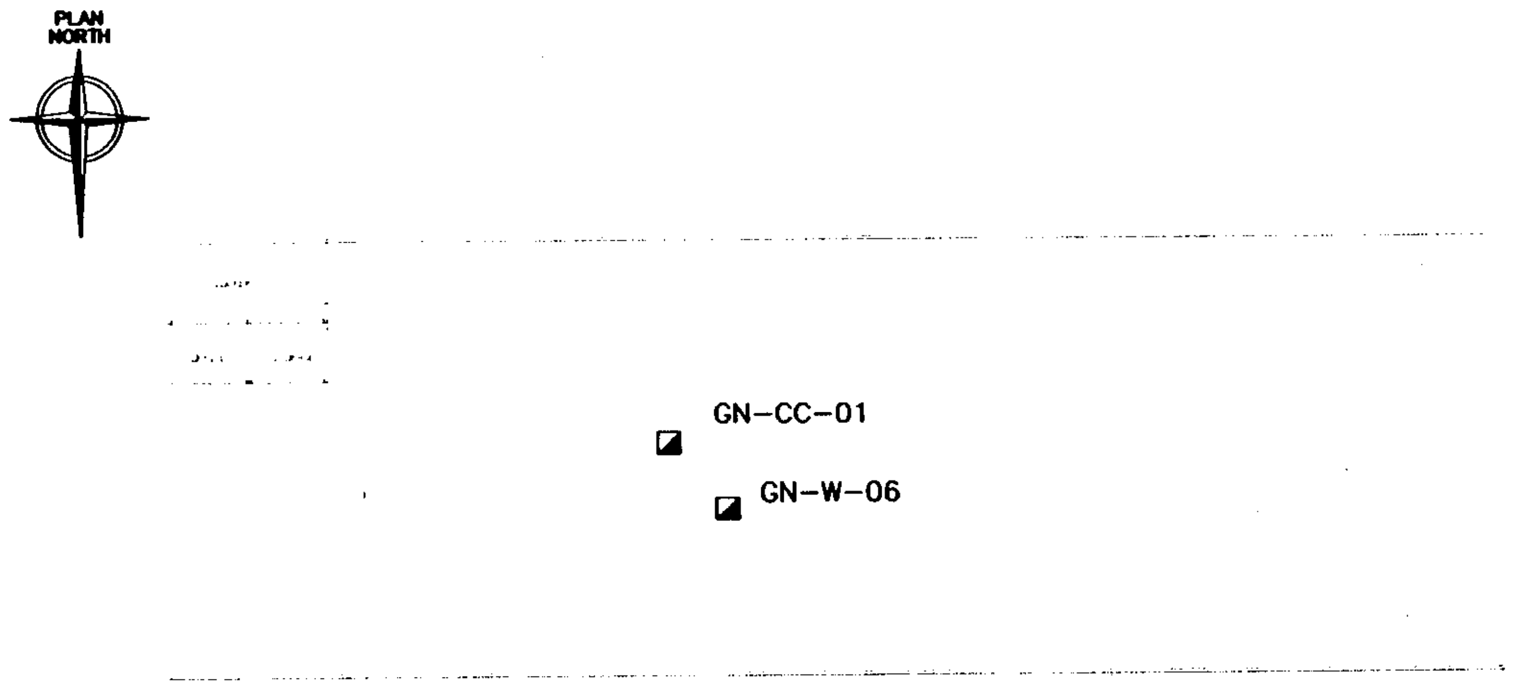
FIGURE 63
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

FOUNDRY BUILDING
ENVIRONMENTAL SAMPLING LOCATIONS

ENE-MTOWN2/DATA N:\DWG\86401001\MALMF-05.dwg Xrefs: MALMBD02
Scale: 1 = 1.00 DimScale 1 = 1.00 Date: 1/9/98 Time: 11:39 AM Operator: DTICE



LEGEND:

◪ GN-CC-04 SAMPLE LOCATIONS

0 30 60
SCALE IN FEET

EMCON

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DWN FDG
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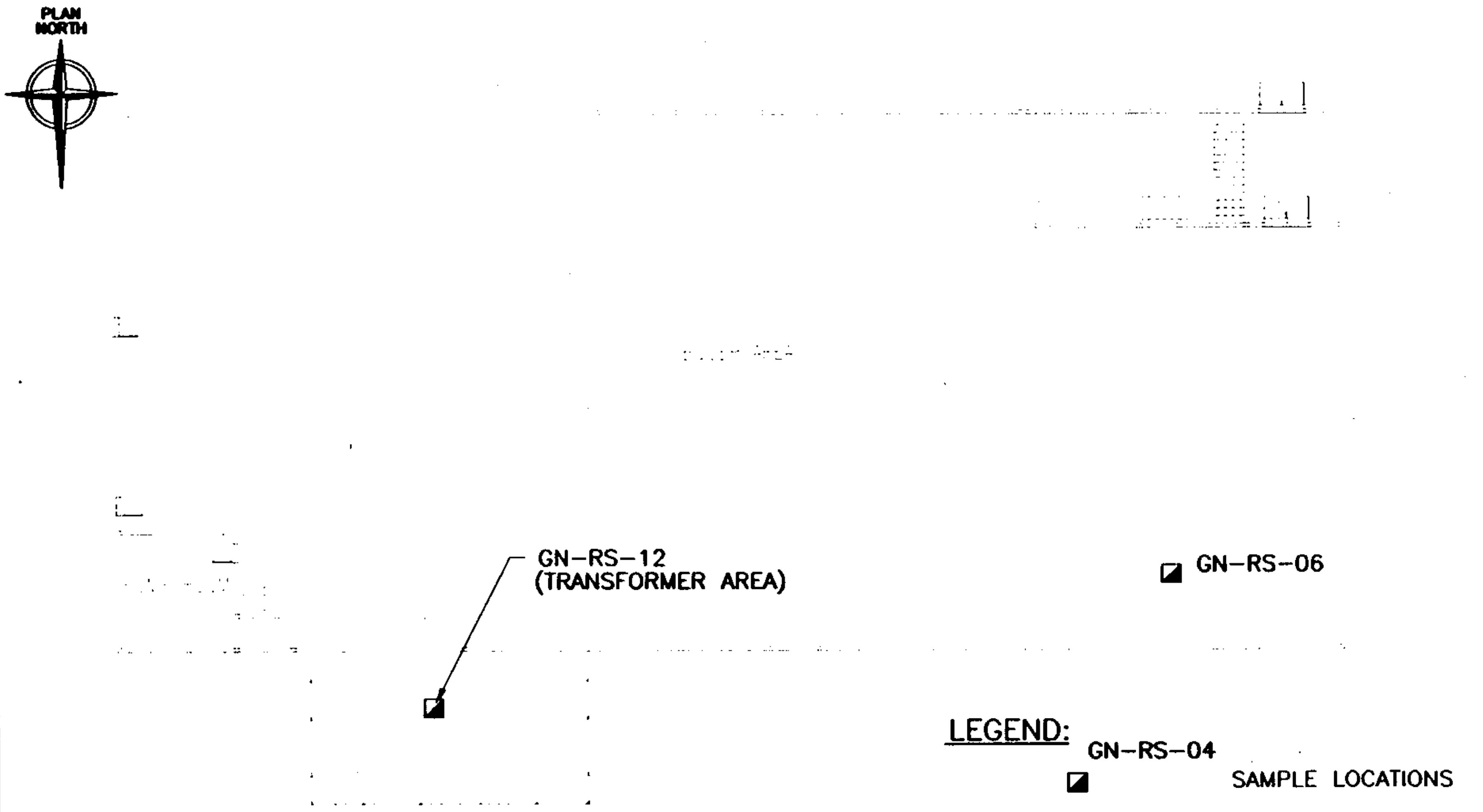
REV
PROJECT NO.
86401-001.000

FIGURE 64
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK

MAINTENANCE GARAGE
ENVIRONMENTAL SAMPLE LOCATIONS

ENE-MTOWN2/DATA N:\DWG\86401001\MALMF-09.dwg Xrefs: MALMBR01, MALMBD02
Scale 1 = 1.00 DimScale 1 = 20.00 Date: 1/9/98 Time: 11:42 AM Operator: DTICE



0 20 40
SCALE IN FEET

EMCON

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86401-001.000

FIGURE 65
LOCKHEED MARTIN CORPORATION
GREAT NECK, NEW YORK
BOILER HOUSE BUILDING
GROUND FLOOR PLAN
ENVIRONMENTAL SAMPLING LOCATIONS

TABLES

Table 1
Lockheed Martin Corporation
Great Neck Facility Assessment
Potential Asbestos Homogeneous Sampling Areas

Hom #	Material	Size	Color	Color 2	Texture	Type	Asbestos
1	FLOOR TILE	2X2	BROWN	TAN		M	
2	FLEX CONN					M	
3	PIPE INS	2 - 4				TSI	Y
4	PIPE FIT					TSI	Y
5	CEIL TILE	2X2				M	
6	FLOOR TILE	9X9	GREEN			M	
7	FLOOR TILE	9X9	GREEN	BEIGE	WAVES	M	
8	FLOOR TILE	12X12	GREY	WHITE	SPECS	M	Y-M
9	WALL PLASTER BLDG 2					SM	
10	CEIL PLASTER					SM	Y
11	BASEBOARD					M	
12	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	M	Y-T-M
13	CEILING TILE	2X4	WHITE			M	
14	CEILING TILE	1X1	WHITE			M	
15	FLOOR TILE	12X12	WHITE	BROWN		M	Y
16	MASTIC CARPET					M	
17	MASTIC WOOD BLK		BLACK			M	
18	FLOOR TILE	12X12	BROWN			M	Y
19	LINOLEUM		RED			M	
20	FLOOR TILE	12X12	BEIGE	BROWN	SPECS	M	Y
21	FLOOR TILE	12X12	ORANGE			M	
22	FLOOR TILE	12X12	GREY	WHITE	SPECS	M	
23	FLOOR TILE	12X12	BLACK	WHITE	SPECS	M	
24	FLOOR TILE	12X12	GREEN	WHITE	WAVES	M	Y
25	FLOOR TILE	12X12	GREEN	WHITE	SPECS	M	
26	FLOOR TILE	12X12	BROWN	WHITE	SPECS	M	Y
27	CARPET		GREY			M	
28	FLOOR TILE	9X9	BEIGE	WHITE	WAVES	M	Y
29	FLOOR TILE	12X12	WHITE	TAN	SPECS	M	Y-T-M
30	LINOLEUM		BROWN			M	
31	FLOOR TILE	9X9	BROWN	WHITE	STREAKS	M	Y
32	FLOOR TILE	9X9	TAN	BEIGE		M	Y
33	FLOOR TILE	12X12	WHITE	GREY	WAVES	M	Y-T-M
34	CEILING TILE	1X1	WHITE			M	
35	ARMAFLEX					TSI	
36	FLOOR TILE	12X12	GREEN	WHITE	STREAKS	M	Y
37	WALLBOARD					M	
38	JOINT COMPOUND					M	Y-T-T
39	FLOOR TILE	12X12	BEIGE	TAN	SPECS	M	
40	CORK					TSI	
41	TANK INS					TSI	Y
42	FLOOR TILE	12X12	BROWN	BEIGE	STREAKS	M	Y-T-M
43	TRANSITE					M	Y
44	PIPE INS					TSI	
45	CEILING PLASTER					SM	Y

Table 1
Lockheed Martin Corporation
Great Neck Facility Assessment
Potential Asbestos Homogeneous Sampling Areas

Hom #	Material	Size	Color	Color 2	Texture	Type	Asbestos
46	FLOOR TILE	9X9	TAN	WHITE	STREAKS	M	Y-T-M
47	FLOOR TILE	9X9	RED			M	Y-T-M
48	FLOOR TILE		WHITE		STREAKS	M	Y
49	FLOOR TILE	9X9	GREEN			M	Y
50	FLOOR TILE	9X9	BLACK			M	Y
51	FLOOR TILE	12X12	BLACK	WHITE	SPECS	M	
52	FLOOR TILE	9X9	GREEN			M	Y
53	FLOOR TILE	9X9	GREEN	WHITE	WAVES	M	Y
54	STATIC FLOOR		BLUE			M	
55	FLOOR TILE	9 X 9	GREY	WHITE	STREAKS	M	Y
56	FLOOR TILE	9 X 9	GREY	WHITE	SPECS	M	Y-T-M
57	LINOLEUM		TAN			M	
58	FLOOR TILE	9 X 9	WHITE	BLACK	WAVES	M	Y-T-M
59	MASTIC-BB		BROWN			M	
60	FLOOR TILE	24 X 24	BEIGE	TAN	STREAKS	M	
61	MASTIC-CARPET					M	
62	DUCT CONNECTOR					M	
63	LINOLEUM		GREEN			M	
64	FLOOR TILE	12 X 12	GREY	WHITE	WAVES	M	Y-T-M
65	PANEL					M	
66	FLOOR TILE	9 X 9	GREEN	BEIGE	WAVES	M	Y
67	FLOOR TILE	12 X 12	GREY	BLUE	SPECS	M	
68	FLOOR TILE	12 X 12	BROWN	BEIGE	WAVES	M	
69	FLOOR TILE	2 X 2	GREEN	BEIGE		M	
70	LINOLEUM		GREEN			M	
71	LINOLEUM		GREY			M	
72	CAULKING-WINDOW					M	Y
73	FIBERBOARD BACK					M	
74	FLOOR TILE	9 X 9	BROWN			M	Y-T-M
75	FLOOR TILE	9 X 9	TAN			M	Y-T-M
76	FLOOR TILE	12 X 12	BEIGE	BEIGE	STREAKS	M	Y-T-M
77	DUCT COATING ROOF FAN ROOMS					SM	Y
78	FLOOR TILE	9 X 9	GREEN		SOFT	M	
79	FLOOR TILE	9 X 9	BLACK	GREEN		M	
80	SPRAY-ON FP					SM	Y
81	CAULKING-WINDOW					M	
82	PIPE INSULATION	2 - 4				TSI	
83	FITTINGS	2 - 4				TSI	Y
84	CLOTH					M	Y
85	REFRACTORY					TSI	Y
86	GASKET					M	Y
87	CAULKING-WINDOW					M	Y
88	PIPE INSULATION					TSI	Y
89	FITTINGS					TSI	

Table 1
Lockheed Martin Corporation
Great Neck Facility Assessment
Potential Asbestos Homogeneous Sampling Areas

Hom #	Material	Size	Color	Color 2	Texture	Type	Asbestos
90	CAULKING-WINDOW					M	Y
91	FLOOR TILE	12 X 12	GREY	BEIGE	STREAKS	M	
92	FLOOR TILE	12 X 12	GREY	BEIGE	WAVES	M	Y
93	FLOOR TILE	12 X 12	BROWN	BEIGE	STREAKS	M	Y
94	CAULKING-WINDOW					M	
95	FLOOR TILE	12 X 12	WHITE			M	Y
96	LAB TABLE					M	Y
97	LINOLEUM		RED			M	
98	FIBERBOARD					M	
99	FLOOR TILE	12 X 12	TAN	BEIGE		M	
100	ROOF FLASH					M	Y
101	ROOF FELT					M	N
102	PATCH					M	N
103	ROOF FLASHING					M	Y
104	ROOF LOWER					M	N
105	ROOF PH					M	Y
106	ROOF FELT A-F					M	
107	ROOF FELT F-I					M	Y
108	ROOF FELT I-L					M	Y
109	ROOF FELT M-P					M	
110	ROOF FLASHING					M	Y
111	ROOF PATCH					M	Y
112	ROOF FAN ROOM					M	N
113	ROOF FAN ROOM					M	Y
114	ROOF FAN ROOM					M	Y
115	ROOF FAN ROOM					M	Y
116	ROOF FELT BLDG 8					M	N
117	ROOF FLASH BLDG 8					M	Y
118	ROOF FELT BLDG 7					M	N
119	ROOF FLASH BLDG 7					M	Y
120	ROOF FELT BLDG 9					M	N
121	ROOF FLASH BLDG 7					M	Y
122	ROOF FELT BLDG 6					M	Y
123	ROOF FLASH BLDG 6					M	Y
124	ROOF FLASH BLDG 5					M	Y
125	ROOF FELT BLDG 5					MM	
126	ROOF FLASH BLDG 4					M	Y
127	ROOF FLASH BLDG 4					M	
128	EXT PIPE INS BLDG 9					M	
129	FLY ASH					M	
130	FLOOR TILE	12 X 12	GREY	BLUE	WAVES	M	
131	PLASTER WALL					SM	
132	FITTINGS	4 - 8				TSI	Y
133	FITTINGS LAGGING	4 - 8				TSI	
134	PIPE INSUL					TSI	

Table 1
Lockheed Martin Corporation
Great Neck Facility Assessment
Potential Asbestos Homogeneous Sampling Areas

Hom #	Material	Size	Color	Color 2	Texture	Type	Asbestos
135	TRANSITE					M	
136	CAULKING WIND					M	Y
137	FLOOR TILE	12 X 12	WHITE	BROWN	STREAKS	M	Y
138	CEILING TILE BLDG 12	1 X 1	WHITE			M	
139	FIBERBOARD					M	
140	PLASTER CEIL BLDG 13					SM	
141	ROOF FELT BLDG 13					M	Y
142	DUCT COATING BLDG 3		BLACK			TSI	Y
143	ROOF FLASH BLDG 14		BLACK			M	Y
144	ROOF FELT BLDG 14		BLACK			M	
145	ROOF FLASH BLDG 13		BLACK			M	Y
146	MASTIC WOOD BLK		BROWN			M	Y
147	MASTIC LINOLEUM		RED			M	
148	FLOOR TILE	12X12	TAN	BROWN	STREAKS	M	Y
149	FLOOR TILE	12X12	BEIGE	BLUE	WAVES	M	Y-M
150	FLOOR TILE	12X12	GREEN	WHITE	WAVES	M	
151	FLOOR TILE	12X12	WHITE	BEIGE	WAVES	M	
152	SHINGLES SIDING B 3					M	
153	SHINGLES SIDING B 9					M	

Table 2
Summary of Environmental Sample Locations
Lockheed Martin, Great Neck

Sample ID	Media	Location Description	Parameters
GN-RS-01	Sediment	2 Sumps located in short order machine shop	RCRA Metals, PCBs
GN-RS-02	Sediment	Sump located in process photo room	VOCs, SVOCs, PCBs
GN-RS-03	Residue	Channel surrounding numeric coding machine	RCRA Metals, PCBs, TPHC
GN-RS-04	Sludge	Sump located in basement of foundry	RCRA Metals, VOCs, SVOCs, PCBs, TPHC
GN-RS-05	Residue	Battery room floor	pH, Corrositivity
GN-RS-06	Sediment	Pipe chase in powerhouse near boiler	RCRA Metals, PCBs, TPHC
GN-RS-07	Residue	Paint room floor	RCRA Metals, VOCs, SVOCs
GN-RS-08	Residue	Environmental test lab	RCRA Metals, PCBs, TPHC
GN-RS-09	Sludge	Sump in environmental test lab	RCRA Metals, PCBs, TPHC
GN-RS-10	Sediment	Cooling tower located near envrion. test lab	RCRA Metals
GN-RS-11	Sediment	Cooling tower located near envrion. test lab	Pesticides, Herbicides
GN-RS-12	Soil	Transformer area	PCBs
GN-RS-13	Residue	Chemical storage container	RCRA Metals
GN-RS-14	Residue	Floor of oil storage room	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-WB-01	Wood Block	Floor of gauge room	RCRA Metals, VOCs, SVOCs, PCBs, TPHC
GN-WB-02	Wood Block	Floor of Nexrad storage room	RCRA Metals, VOCs, SVOCs, PCBs, TPHC
GN-WB-03	Wood Block	Floor of annex	RCRA Metals, VOCs, SVOCs, PCBs, TPHC
GN-WB-04	Wood Block	Floor of annex	RCRA Metals, VOCs, SVOCs, PCBs, TPHC
GN-WB-05	Wood Block	Floor near battery storage/forklift area	RCRA Metals, VOCs, SVOCs, PCBs, TPHC
GN-WB-06	Wood Block	Floor of annex (same as GN-WB-03)	TCLP Metals, TCLP VOCs, TCLP SVOCs
GN-WB-07	Wood Block	Old loading dock within ANC/Trident area	RCRA Metals, PCBs, TPHC
GN-WB-08	Wood Block	Below stairway at entrance #5	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-WB-09	Wood Block	Decats assembly and test area	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-WB-10	Wood Block	Hallway adjacent to MK-92 PC staging area	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-WB-11	Wood Block	Hallway adjacent to Penn Plax dividing wall	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-WB-12	Wood Block	Nexrad area near column J15	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-WB-13	Wood Block	Nexrad area near column L15	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-WB-14	Wood Block	Shipping and receiving area near column O11	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-WB-15	Wood Block	Penn Plax near column G13	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-WB-16	Wood Block	Penn Plax near column C11	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-WB-17	Wood Block	Penn Plax in sheet metal room	PCBs, RCRA Metals, TPHC, VOCs, SVOCs
GN-W-01	Wipe	Floor of A/C unit room	Beryllium
GN-W-02	Wipe	Floor of battery room	RCRA Metals
GN-W-03	Wipe	Floor of flammable room in Haz. waste area	RCRA Metals, PCBs
GN-W-04	Wipe	Floor of oxidizer room in Haz. waste area	RCRA Metals, PCBs
GN-W-05	Wipe	Floor of corrosive room in Haz. waste area	RCRA Metals, PCBs
GN-W-06	Wipe	Floor of garage near GN-CC-01	PCBs
GN-W-07	Wipe	Floor beneath shaker table in Env. test lab	PCBs
GN-W-08	Wipe	Floor near vacuum chamber in Env. test lab	PCBs
GN-W-09	Wipe	Floor beneath machine near vacuum chamber	PCBs
GN-W-10	Wipe	Floor of high power test lab	PCBs
GN-W-11	Wipe	Floor near A/C unit in ANC/Trident area	PCBs
GN-W-12	Wipe	Old transformer located in high power test lab	PCBs
GN-W-13	Wipe	Groundwater reclamation room	PCBs
GN-W-14	Wipe	Groundwater reclamation room	RCRA Metals
GN-W-15	Wipe	Chemical storage container	RCRA Metals
GN-W-16	Wipe	Chemical storage container	PCB's
GN-W-17	Wipe	Pump room near column O19	PCB's
GN-CC-01	Concrete Chips	Floor of garage	PCBs, TPHC
GN-CC-02	Concrete Chips	Floor of oil room	PCBs, TPHC
GN-CC-03	Concrete Chips	Floor of groundwater reclamation room (P19)	PCBs, RCRA Metals, TPHC
GN-CC-04	Concrete Chips	Floor of groundwater reclamation room (center)	PCBs, RCRA Metals, TPHC
GN-CC-05	Concrete Chips	Floor of oil storage room near column N19	PCBs, RCRA Metals, TPHC
GN-O-01	Oil	Sump in Scorsby pit	PCBs, TPHC

Table 3
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Fluorescent Light Bulbs

Building	Building Area	Number of Fluorescent Light Bulbs			
		Two Foot	Four Foot	Eight Foot	Total
Main Manufacturing	Administration	21	4,463	0	4,484
Main Manufacturing	Pennplex	0	1,000	0	1,000
Main Manufacturing	N. and S. Mezz.	29	1,375	508	1,912
Main Manufacturing	ANC/Trident	67	992	243	1,302
Main Manufacturing	Navy offices	0	6,531	3,297	9,828
Main Manufacturing	Machine Shop	0	0	701	701
Main Manufacturing	Manuf. Area	88	4,353	2,886	7,327
Env. Test Build		0	1,161	170	1,331
Foundry/Env. Test	Foundry Basement	0	71	6	77
Boiler House		0	0	118	118
Garage		0	0	109	109
Wood/Metal Shop		0	0	457	457
Total		**205**	**19,946**	**8,495**	**28,646**
		Number of Metal Halide Bulbs			
Env. Test Build.		0	0	0	56
Total		**0**	**0**	**0**	**56**
		Number of Incandescent Light Bulbs			
Main Manufacturing	Cafeteria	0	0	0	60
Env. Test Build.		0	0	0	46
Foundry	Basement	0	0	0	8
Total		**0**	**0**	**0**	**124**
		Number of Sodium Vapor Lights			
All Buildings	Exterior	0	0	0	18
Total		**0**	**0**	**0**	**18**

Table 4
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Fluorescent Light Ballasts

Building	Building area	Total Count	Total Inspected	No. Inspected With Labels (Assumed PCBs)	No. Inspected With Labels Indicating No PCBs	No. Inspected Without Labels
Main Manufacturing	Administration	1,793	36	11	25	0
Main Manufacturing	Pennplex	1,000	20	10	10	0
Main Manufacturing	N. and S. Mezz.	958	19	14	5	0
Main Manufacturing	ANC/Trident	466	9	0	9	0
Main Manufacturing	Navy offices	3,669	73	61	12	0
Main Manufacturing	Machine Shop	401	8	2	6	0
Main Manufacturing	Manuf. Area	3,317	66	14	52	0
Env. Test Build		666	13	1	12	0
Foundry/Env. Test	Foundry Base.	40	1	0	1	0
Boiler House		69	1	0	1	0
Garage		50	1	0	1	0
Wood/Metal Shop		175	3	0	3	0
Totals		**12,604**	**250**	**113**	**137**	**0**

Table 5
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Batteries

Building	Location	Type	Quantity
Enviro. Test Lab	Exit sign over outside door	6 volt Sealed lead acid	1
Service Building	Battery Room	12 volt Sealed lead acid	24
Enviro. Test Lab	Emergency Lighting	6 volt Sealed lead acid	2

Table 6
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Mercury-Containing Equipment

Building	Location	Approximate Quantity of Hg
Main	12 Mercoid switches on AC units	12 to 24 ounces
Administration	Thermostat in penthouse	1 ounce
Main	Thermostat near column I12	1 ounce
Enviro. Test Lab	Mercoid switches on 2 AC units	2 to 4 ounces
Enviro. Test Lab	2 Mercoid switches on AC unit	2 to 4 ounces
Foundry	2 Mercoid switches on AC unit	2 to 4 ounces
Boiler House	4 Steam flow meters	32 to 36 pounds (8 to 9 lbs each)
Boiler House	3 Compressors (1 Mercoid switch each)	3 to 6 ounces
Boiler House	6 Tube type mercury switches	48 to 60 pounds (8 to 10 lbs.each)
Boiler House	1 Silica-gel-dry Mercoid switch	1 to 2 ounces
Boiler House	3 Mercoid switches on electric fire pump	3 to 6 ounces
	Total	**82 to 100 pounds**

Table 7
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Air Conditioning and Refrigeration Equipment

Building Location	Floor Number	Column Location	AC Unit Number	Freon Type	Freon Quantity (lbs)
SERVICE	GROUND	U-104	S-001	R-12	5
SERVICE	GROUND	U-104	S-002	R-12	2
SERVICE	GROUND	U-104	S-003	R-12	2
SERVICE	GROUND	U-105	S-004	R-12	5
SERVICE	GROUND	U-106	S-005	R-22	15
SERVICE	GROUND	V-134	S-006	R-12	2
SERVICE	GROUND	V-102	S-007	R-12	2
SERVICE	GROUND	V-163	S-008	R-12	2
SERVICE	GROUND	W-109	S-009	R-22	10
SERVICE	GROUND	V-115	S-010A	R-22	26
SERVICE	GROUND	V-115	S-010B	R-22	26
SERVICE	GROUND	V-115	S-010C	R-22	26
SERVICE	GROUND	V-115	S-010D	R-22	26
SERVICE	GROUND	V-115	S-010E	R-22	26
SERVICE	GROUND	W-115	S-012	R-22	6
SERVICE	GROUND	X-120	S-014	R-22	6
SERVICE	GROUND	V-107	S-015	R-22	12
SERVICE	GROUND	V-103	S-016	R-22	10
ADMINISTRATION	2	R-102	A-002	R-22	10
ADMINISTRATION	2	T-102	A-003	R-22	6
ADMINISTRATION	2	T-106	A-004	R-22	8
ADMINISTRATION	2	R-119	A-005	R-22	10
ADMINISTRATION	1	R-104	A-006	R-22	10
ADMINISTRATION	GROUND	R-101	A-007	R-22	2
ADMINISTRATION	GROUND	T-101	A-008	R-22	2
ADMINISTRATION	GROUND	S-102	A-009	R-22	13
ADMINISTRATION	GROUND	R-106	A-010	R-22	12
ADMINISTRATION	GROUND	T-106	A-011	R-22	12
ADMINISTRATION	GROUND	R-110	A-012	R-22	8
ADMINISTRATION	GROUND	S-114	A-013A	R-22	26
ADMINISTRATION	GROUND	S-114	A-013B	R-22	26
ADMINISTRATION	GROUND	S-114	A-013C	R-22	26
ADMINISTRATION	GROUND	S-114	A-013D	R-22	26
ADMINISTRATION	GROUND	S-114	A-013E	R-22	26
ADMINISTRATION	GROUND	S-114	A-013F	R-22	26
ENVIRO. TEST	GROUND	F-1	E-002	R-22	25
ENVIRO. TEST	GROUND	G-1	E-003	R-22	20
ENVIRO. TEST	GROUND	H-1	E-004	R-22	20
ENVIRO. TEST	GROUND	D-1	E-005	R-22	20
ENVIRO. TEST	GROUND	A-2	E-006	R-22	20
ENVIRO. TEST	GROUND	A-3	E-007	-22 2 Curcui	20
ENVIRO. TEST	GROUND	B-3	E-008	R-22	62
ENVIRO. TEST	GROUND	C-4	E-009	R-22	26
ENVIRO. TEST	GROUND	F-3	E-010	R-22	6
ENVIRO. TEST	GROUND	A-5	E-011	R-22	4
ENVIRO. TEST	GROUND	B-5	E-012	R-22	6

Table 7
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Air Conditioning and Refrigeration Equipment

Building Location	Floor Number	Column Location	AC Unit Number	Freon Type	Freon Quantity (lbs)
ENVIRO. TEST	GROUND		E-014	R-22	8
ENVIRO. TEST	GROUND	A-13	E-015	R-22	12
ENVIRO. TEST	GROUND	A-16	E-016	R-22	12
ENVIRO. TEST	GROUND	C-16	E-017	R-22	90
ENVIRO. TEST	GROUND	?-18	E-018	R-22	9
BOILER HOUSE	GROUND	B-4	B-002	R-11	800
GARAGE		A-3	B-004	R-22	2
MAIN BLDG.	MEZZANINE	1-A-1	M-001	R-22	10
MAIN BLDG.	MEZZANINE	1-A-1	M-002	R-22	10
MAIN BLDG.	MEZZANINE	1-A-3	M-003	R-22	12
MAIN BLDG.	MEZZANINE	1-A-4	M-004	R-22	10
MAIN BLDG.	MEZZANINE	1-A-6	M-005	R-22	9
MAIN BLDG.	MEZZANINE	B-5	M-007	R-22	10
MAIN BLDG.	MEZZANINE	A-14	M-008	R-22	20
MAIN BLDG.	MEZZANINE	A-14	M-009	R-22	18
MAIN BLDG.	MEZZANINE	A-14	M-010	R-22	13
MAIN BLDG.	1	C-1	M-016	R-22	8
MAIN BLDG.	1	C-1	M-017	R-22	8
MAIN BLDG.	1	C-2	M-018	R-22	8
MAIN BLDG.	1	D-1	M-019	R-22	8
MAIN BLDG.	1	E-1	M-020	R-22	8
MAIN BLDG.	1	F-1	M-021	R-22	8
MAIN BLDG.	1	F-2	M-022	R-22	10
MAIN BLDG.	1	B-3	M-023	R-22	15
MAIN BLDG.	1	C-5	M-027	R-22	13
MAIN BLDG.	1	D-5	M-028	R-22	15
MAIN BLDG.	1	B-5	M-029	R-22	9
MAIN BLDG.	1	C-5	M-031	R-22	10
MAIN BLDG.	1	F-5	M-034	R-22	30
MAIN BLDG.	1	F-5	M-035	R-22	13
MAIN BLDG.	1	G-4	M-036	R-22	30
MAIN BLDG.	1	H-4	M-037	R-22	8
MAIN BLDG.	1	G-5	M-038	R-22	30
MAIN BLDG.	1	G-5	M-039	R-22	26
MAIN BLDG.	1	D-8	M-041	R-22	20
MAIN BLDG.	1	D-8	M-042	R-22	26
MAIN BLDG.	1	J-3	M-046	R-22	20
MAIN BLDG.	1	I-3	M-047	R-22	6
MAIN BLDG.	1	K-1	M-050	R-22	20
MAIN BLDG.	1	L-2	M-051	R-22	15
MAIN BLDG.	1	K-2	M-052	R-22	12
MAIN BLDG.	1	M-1	M-053	R-22	5
MAIN BLDG.	1	N-1	M-054	R-22	5
MAIN BLDG.	1	N-2	M-055	R-22	6
MAIN BLDG.	1	N-2	M-056	R-22	4
MAIN BLDG.	1	P-2	M-058	R-22	100

Table 7
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Air Conditioning and Refrigeration Equipment

Building Location	Floor Number	Column Location	AC Unit Number	Freon Type	Freon Quantity (lbs)
MAIN BLDG.	1	P-2	M-059	R-22	100
MAIN BLDG.	1	Q-2	M-060	R-22	8
MAIN BLDG.	1	Q-6	M-065	R-22	6
MAIN BLDG.	1	P-8	M-067	R-22	18
MAIN BLDG.	1	P-9	M-068	R-22	5
MAIN BLDG.	1	Q-9	M-069	R-22	20
MAIN BLDG.	1	A-9	M-070	R-22	16
MAIN BLDG.	1	A-10	M-071	R-11	EMPTY
MAIN BLDG.	1	B-9	M-072	R-22	20
MAIN BLDG.	1	B-9	M-073	R-11	EMPTY
MAIN BLDG.	1	A-11	M-076	R-11	2100
MAIN BLDG.	1	A-11	M-077	R-22	8
MAIN BLDG.	1	B-15	M-084	R-22	6
MAIN BLDG.	1	A-18	M-086	R-22	2
MAIN BLDG.	1	M-093	H-9	R-22	10
MAIN BLDG.	1	M-096	L-10	R-22	90
MAIN BLDG.	1	M-097	J-10	R-22	6
MAIN BLDG.	1	M-098	K-10	R-22	4
MAIN BLDG.	1	M-099	L-10	R-22	90
MAIN BLDG.	1	M-100	L-11	R-22	3
MAIN BLDG.	1	M-101	L-12	R-22	90
MAIN BLDG.	1	M-106	L-14	R-22	90
MAIN BLDG.	1	M-107	L-14	R-22	90
MAIN BLDG.	1	M-108	L-15	R-22	90
MAIN BLDG.	1	M-109	L-17	R-22	90
MAIN BLDG.	1	M-112	H-19	R-22	8
MAIN BLDG.	1	M-113	J-18	R-22	26
MAIN BLDG.	1	M-114	J-19	R-22	26
MAIN BLDG.	1	M-115	K-18	R-22	5
MAIN BLDG.	1	M-116	L-17	R-22	30
MAIN BLDG.	1	M-117	L-18	R-22	26
MAIN BLDG.	1	M-118	L-18	R-22	26
MAIN BLDG.	1	M-119	L-19	R-22	26
MAIN BLDG.	1	M-120	L-19	R-22	26
MAIN BLDG.	1	M-121	H-26	R-22	6
MAIN BLDG.	1	M-122	H-27	R-22	6
MAIN BLDG.	1	M-123	H-28	R-22	6
MAIN BLDG.	1	M-129	P-15	R-22	26
MAIN BLDG.	1	M-134	Q-11	R-22	10
MAIN BLDG.	1	M-140	P-7	R-22	90
MAIN BLDG.	1	M-142	P-10	R-22	15
MAIN BLDG.	1	M-143	P-10	R-22	15
MAIN BLDG.	1	M-144	P-11	R-22	3
MAIN BLDG.	1	M-154	?	R-22	6
MAIN BLDG.	1	M-155	?	R-22	8
		TOTAL			5580

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Table 8
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Electrical Equipment

Building/ Location	Description	Manufacturer	Size (KVA)	Serial Number	PCBs Label
Outdoor/Ground	Transfer Xfmr	Allis Chalmers	7500	3432957	Non-PCB
Outdoor/Ground	Bank 1	Allis Chalmers	7500	26312019701	Non-PCB
Outdoor/Ground	Bank 2	Allis Chalmers	7500	1784646	Non-PCB
Outdoor/Ground	Bank 3	Allis Chalmers	7500	1784645	Non-PCB
Outdoor/Ground	Bank 3 - Regulator	Allis Chalmers	500	1-2116-12671-2	Non-PCB
Outdoor/Ground	Bank 2 - Regulator	Allis Chalmers	500	1-2116-12671-1	Non-PCB
Outdoor/Ground	T.C. for TC#2	Allis Chalmers			PCB
High Power Test Lab	Vacuum Tank				Non-PCB
High Power Test Lab	Resistance Load Tank (large)				Non-PCB
High Power Test Lab	Resistance Load Tank (small)				Non-PCB
High Power Test Lab	Transformer (small above capacitors)				Non-PCB
High Power Test Lab	Capacitors				Non-PCB
High Power Test Lab	Capacitors				Non-PCB
High Power Test Lab	Transformer (large stand up)				Non-PCB
High Power Test Lab	Oil Excavator				Non-PCB
High Power Test Lab	Transformer				Non-PCB
High Power Test Lab	Resistive Load (cart)				Non-PCB
High Power Test Lab	Power Supply	Model #2085			PCB
High Power Test Lab	Klystron				Non-PCB
High Power Test Lab	Transmitter (megawatt)				Non-PCB
High Power Test Lab	Cort Transmitter				Non-PCB
High Power Test Lab	Oil Cart				Non-PCB
High Power Test Lab	Waste Drum in Hazwaste accumulation area				Non-PCB
High Power Test Lab	Pothead Oil				Non-PCB

Table 9
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Suspect ACM Samples Collected

Number of Samples	Building	Type of Suspect ACM Material	Sample Location Figure Reference
106	Administrative	Interior	3 through 7
19	Administrative	Roofing	8
105	Service	Interior	9, 10
25	Service	Roofing	11
198	Manufacturing	Interior	12,13
115	Manufacturing	Roofing	14
5	Garage	Interior	15
6	Garage	Roofing	16
10	Boiler House	Interior	17, 18
8	Boiler House	Roofing	19
2	Maintenance	Interior	20
8	Maintenance	Roofing	21
9	Foundry	Interior	22
6	Foundry	Roofing	23
7	Env Test	Interior	24
8	Env Test	Roofing	25
11	Lake House	Interior	26, 27
8	Lake House	Roofing	28
5	Security	Interior	29
4	Security	Roofing	29

Interior = TIS - pipe insulation, duct insulation, SM - spray on fireproofing mastic floor tiles, plaster caulking mastics, ceiling tiles, wall board, joint compound, and flexible connections on ducts.

Roofing = Multi-layer felts and flashing.

Table 10
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Administration Building

Lab Samp #	mple ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM001	1	1	1	FLOOR TILE	2X2	BROWN	TAN		1	P	NO	7
CM002	1	1	2	FLOOR TILE	2X2	BROWN	TAN		1	P	NO	7
CM003	1	1	3	FLOOR TILE	2X2	BROWN	TAN		1	P	NO	7
CM004	2	2	1	FLEX CONN					2	P	NO	7
CM005	2	2	2	FLEX CONN					2	P	NO	7
CM006	2	2	3	FLEX CONN					2	P	NO	7
CM007	4	3	1	PIPE INS	2 - 4				4	P	YES	7
CM008	4	3	2	PIPE INS	2 - 4				4	P	YES	7
CM009	4	3	3	PIPE INS	2 - 4				4	P	YES	7
CM010	4	4	1	PIPE FIT					4	P	YES	7
CM011	4	4	2	PIPE FIT					4	P	YES	7
CM012	4	4	3	PIPE FIT					4	P	YES	7
CM013	5	5	1	CEILING TILE	2X2				5	P	NO	7
CM014	5	5	2	CEILING TILE	2X2				5	P	NO	7
CM015	5	5	3	CEILING TILE	2X2				5	P	NO	7
CM016	7	6	1	FLOOR TILE	9X9	GREEN			7	TEM	NO	7
CM017	7	6	2	FLOOR TILE	9X9	GREEN			7	TEM	NO	7
CM018	7	6	3	FLOOR TILE	9X9	GREEN			7	TEM	NO	7
CM019	7	7	1	FLOOR TILE	9X9	GREEN	BEIGE	WAVES	7	TEM	NO	7
CM020	7	7	2	FLOOR TILE	9X9	GREEN	BEIGE	WAVES	7	TEM	NO	7
CM021	7	7	3	FLOOR TILE	9X9	GREEN	BEIGE	WAVES	7	TEM	NO	7
CM022	9	8	1	FLOOR TILE	12X12	GREY	WHITE	SPECS	9	TEM	NO	7
CM022M	9	8	1	MASTIC		GREY			9	P	YES	7
CM023	9	8	2	FLOOR TILE	12X12	GREY	WHITE	SPECS	9	TEM	NO	7
CM023M	9	8	2	MASTIC		GREY			9		YES	7
CM024	9	8	3	FLOOR TILE	12X12	GREY	WHITE	SPECS	9	TEM	NO	7
CM024M	9	8	3	MASTIC		GREY			9		YES	7
CM025	10	9	1	WALL PLASTER					10	P	NO	7
CM025A	10	9	1	WALL PLASTER					10	P	NO	7
CM026	10	9	2	WALL PLASTER					10	P	NO	7
CM027	10	9	3	WALL PLASTER					10	P	NO	7
CM028	10	9	4	WALL PLASTER					10	P	NO	7
CM029	10	9	5	WALL PLASTER					10	P	NO	7
CM030	10	9	6	WALL PLASTER					10	P	NO	7
CM031	10	9	7	WALL PLASTER					10	P	NO	7
CM031A	10	9	7	WALL PLASTER					10	P	NO	7
CM032	10	9	8	WALL PLASTER					10	P	NO	7
CM032A	10	9	8	WALL PLASTER					10	P	NO	7
CM033	10	9	9	WALL PLASTER					10	P	NO	7
CM034	10	10	1	CEILING PLASTER					10	P	YES	7
CM035	10	10	2	CEILING PLASTER					10		YES	7
CM036	10	10	3	CEILING PLASTER					10		YES	7
CM037	10	10	4	CEILING PLASTER					10		YES	7
CM038	10	10	5	CEILING PLASTER					10		YES	7
CM039	10	10	6	CEILING PLASTER					10		YES	7
CM040	10	10	7	CEILING PLASTER					10		YES	7
CM041	10	10	8	CEILING PLASTER					10		YES	7
CM042	10	10	9	CEILING PLASTER					10		YES	7
CM043	23	11	1	BASEBOARD		BLACK			23	TEM	NO	5
CM043M	23	11	1	MASTIC		BROWN			23	TEM	NO	5
CM044	23	11	2	BASEBOARD		BLACK			23	TEM	NO	5
CM044M	23	11	2	MASTIC		BROWN			23	TEM	NO	5
CM045	23	11	3	BASEBOARD		BLACK			23	TEM	NO	5
CM045M	23	11	3	MASTIC		BROWN			23	TEM	NO	5
CM046	23	12	1	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	23	P	YES	5
CM046M	23	12	1	MASTIC		BLACK			23	P	YES	5
CM047	23	12	2	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	23		YES	5
CM047M	23	12	2	MASTIC		BLACK			23		YES	5
CM048	23	12	3	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	23		YES	5
CM048M	23	12	3	MASTIC		BLACK			23		YES	5
CM049	29	13	1	CEILING TILE	2X4	WHITE			29	P	NO	5
CM050	29	13	2	CEILING TILE	2X4	WHITE			29	P	NO	5
CM051	29	13	3	CEILING TILE	2X4	WHITE			29	P	NO	5
CM052	58	14	1	CEILING TILE	1X1	WHITE			58	P	NO	5
CM053	58	14	2	CEILING TILE	1X1	WHITE			58	P	NO	5

Table 10
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Administration Building

Lab Samp #	mple ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM001	1	1	1	FLOOR TILE	2X2	BROWN	TAN		1	P	NO	7
CM002	1	1	2	FLOOR TILE	2X2	BROWN	TAN		1	P	NO	7
CM003	1	1	3	FLOOR TILE	2X2	BROWN	TAN		1	P	NO	7
CM054	58	14	3	CEILING TILE	1X1	WHITE			58	P	NO	5
CM055	85	15	1	FLOOR TILE	12X12	WHITE	BROWN		85	P	YES	6
CM055M	85	15	1	MASTIC		BLACK			85	TEM	NO	6
CM056	85	15	2	FLOOR TILE	12X12	WHITE	BROWN		85		YES	6
CM056M	85	15	2	MASTIC		BLACK			85	TEM	NO	6
CM057	85	15	3	FLOOR TILE	12X12	WHITE	BROWN		85		YES	6
CM057M	85	15	3	MASTIC		BLACK			85	TEM	NO	6
CM058	107	16	1	MASTIC CARPET					107	TEM	NO	6
CM059	107	16	2	MASTIC CARPET					107	TEM	NO	6
CM060	107	16	3	MASTIC CARPET					107	TEM	NO	6
CM101	112	31	1	FLOOR TILE	9X9	BROWN	WHITE	STREAKS	112	P	YES	3
CM102	112	31	2	FLOOR TILE	9X9	BROWN	WHITE	STREAKS	112		YES	3
CM103	112	31	3	FLOOR TILE	9X9	BROWN	WHITE	STREAKS	112		YES	3
CM104	112	32	1	FLOOR TILE	9X9	TAN	BEIGE		112	P	YES	3
CM105	112	32	2	FLOOR TILE	9X9	TAN	BEIGE		112		YES	3
CM106	112	32	3	FLOOR TILE	9X9	TAN	BEIGE		112		YES	3
CM107	113	33	1	FLOOR TILE	12X12	WHITE	GREY	WAVES	113	P	YES	4
CM108	113	33	2	FLOOR TILE	12X12	WHITE	GREY	WAVES	113		YES	4
CM109	113	33	3	FLOOR TILE	12X12	WHITE	GREY	WAVES	113		YES	4
CM110	114	34	1	CEILING TILE	1X1	WHITE			114	P	NO	4
CM111	114	34	2	CEILING TILE	1X1	WHITE			114	P	NO	4
CM112	114	34	3	CEILING TILE	1X1	WHITE			114	P	NO	4
CM119	16	37	1	WALLBOARD					16	P	NO	5
CM120	16	37	2	WALLBOARD					16	P	NO	5
CM121	16	37	3	WALLBOARD					16	P	NO	5
CM122	16	38	1	JOINT COMPOUND					16	P	YES	5
CM123	16	38	2	JOINT COMPOUND					16		YES	5
CM124	16	38	3	JOINT COMPOUND					16		YES	5
CM125	23	37	1	WALLBOARD					23	P	NO	5
CM126	23	37	2	WALLBOARD					23	P	NO	5
CM127	23	37	3	WALLBOARD					23	P	NO	5
CM128	23	38	1	JOINT COMPOUND					23	P	YES	5
CM129	23	38	2	JOINT COMPOUND					23		YES	5
CM130	23	38	3	JOINT COMPOUND					23		YES	5
CM131	36	37	1	WALLBOARD					36	P	NO	5
CM132	36	37	2	WALLBOARD					36	P	NO	5
CM133	36	37	3	WALLBOARD					36	P	NO	5
CM134	36	38	1	JOINT COMPOUND					36	P	YES	5
CM135	36	38	2	JOINT COMPOUND					36		YES	5
CM136	36	38	3	JOINT COMPOUND					36		YES	5
CMO33A	10	9	9	WALL PLASTER					10	P	NO	7
JF020	AR	104	1	ROOF LOWER					S102		NO	11
JF021	AR	104	2	ROOF LOWER					S104		NO	11
JF026	AF	103	1	ROOF FLASHING					T105	P	YES	11
JF027	AF	103	2	ROOF FLASHING					T101		YES	11
JF028	AF	103	3	ROOF FLASHING					S101		YES	11
JF029	AR	104	3	ROOF LOWER					S106		NO	11
JF030	AF	103	4	ROOF FLASHING					R103		YES	11
JF031	AF	103	5	ROOF FLASHING					R108		YES	11
JF032	AF	103	6	ROOF FLASHING					R118		YES	11
JF033	AF	103	7	ROOF FLASHING					R121		YES	11
JF034	AF	103	8	ROOF FLASHING					T119		YES	11
JF035	AR	104	1	ROOF LOWER					S120	TEM	NO	11
JF036	AR	104	2	ROOF LOWER					S117	TEM	NO	11
JF037	AR	105	4	ROOF PH					S110	P	YES	11
JF038	AR	105	5	ROOF PH					R108	P	YES	11
JF039	AF	103	9	ROOF FLASHING					R110		YES	11
JF040	AR	105	6	ROOF PH					S112		YES	11
JF041	AF	103	10	ROOF FLASHING					T108		YES	11
JF047	AR	104	3	ROOF LOWER					S116	TEM	NO	11

Table 11
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Service Building

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM137	1	39	1	FLOOR TILE	12X12	BEIGE	TAN	SPECS	201	TEM	NO	9
CM137M	1	39	1	MASTIC		BLACK			201	TEM	NO	9
CM138	1	39	2	FLOOR TILE	12X12	BEIGE	TAN	SPECS	201	TEM	NO	9
CM138M	1	39	2	MASTIC		BLACK			201	TEM	NO	9
CM139	1	39	3	FLOOR TILE	12X12	BEIGE	TAN	SPECS	201	TEM	NO	9
CM139M	1	39	3	MASTIC		BLACK			201	TEM	NO	9
CM140	3	37	1	WALLBOARD					Y117	P	NO	9
CM141	3	37	2	WALLBOARD					Y117	P	NO	9
CM142	3	37	3	WALLBOARD					Y117	P	NO	9
CM143	3	38	1	JOINT COMPOUND					Y119	P	YES	9
CM144	3	38	2	JOINT COMPOUND					Y119	P	YES	9
CM145	3	38	3	JOINT COMPOUND					Y119	P	YES	9
CM146	3	37	4	WALLBOARD					Y118	P	NO	9
CM147	3	37	5	WALLBOARD					Y118	P	NO	9
CM148	3	37	6	WALLBOARD					Y118	P	NO	9
CM149	3	38	4	JOINT COMPOUND					Y119	P	YES	9
CM150	3	38	5	JOINT COMPOUND					Y119	P	YES	9
CM151	3	38	6	JOINT COMPOUND					Y119	P	YES	9
CM152	3	37	7	WALLBOARD					X117	P	NO	9
CM153	3	37	8	WALLBOARD					X117	P	NO	9
CM154	3	37	9	WALLBOARD					X117	P	NO	9
CM155	3	38	7	JOINT COMPOUND					X117	P	YES	9
CM155A	3	38	7	JOINT COMPOUND					203	P	YES	9
CM156	3	38	8	JOINT COMPOUND					X117	P	YES	9
CM156A	3	38	8	JOINT COMPOUND					203		YES	9
CM157	3	38	9	JOINT COMPOUND					X117	P	YES	9
CM157A	3	38	9	JOINT COMPOUND					203		YES	9
CM158	10	40	1	CORK					U109	TEM	NO	9
CM159	10	40	2	CORK					U109	TEM	NO	9
CM160	10	40	3	CORK					U109	TEM	NO	9
CM161	38	41	1	TANK INS					238	P	YES	11
CM162	38	41	2	TANK INS					238		YES	11
CM163	39	42	1	FLOOR TILE	12X12	BROWN	BEIGE	STREAKS	239		YES	9
CM163M	39	42	1	MASTIC		BLACK			239	P	YES	9
CM164	39	42	2	FLOOR TILE					239	TEM	YES	9
CM164M	39	42	2	MASTIC		BLACK			239		YES	9
CM165	39	42	3	FLOOR TILE					239	TEM	YES	9
CM165M	39	42	3	MASTIC		BLACK			239		YES	9
CM166	39	9	1	WALL PLASTER					239	P	NO	9
CM167	39	9	2	WALL PLASTER					239	P	NO	9
CM168	39	9	3	WALL PLASTER					239	P	NO	9
CM169	EXT	43	1	TRANSITE					EXT	P	YES	9
CM170	EXT	43	2	TRANSITE					EXT		YES	9
CM171	EXT	43	3	TRANSITE					EXT		YES	9
CM172	EXT	43	4	TRANSITE					EXT		YES	9
CM173	EXT	43	5	TRANSITE					EXT		YES	9
CM174	EXT	43	6	TRANSITE					EXT		YES	9
CM175	EXT	44	1	PIPE INS					EXT	TEM	NO	9
CM176	EXT	44	2	PIPE INS					EXT	TEM	NO	9
CM177	EXT	44	3	PIPE INS	-				EXT	TEM	NO	9
CM178	13	45	1	CEILING PLASTER					213	P	YES	9
CM179	13	45	2	CEILING PLASTER					213		YES	9
CM180	13	45	3	CEILING PLASTER					213		YES	9
CM181	12	45	4	CEILING PLASTER					212		YES	9
CM182	12	45	5	CEILING PLASTER					212		YES	9
CM183	12	45	6	CEILING PLASTER					212		YES	9
CM184	9	45	7	CEILING PLASTER					209		YES	9
CM185	9	45	8	CEILING PLASTER					209		YES	9
CM186	9	45	9	CEILING PLASTER					209		YES	9
CM187	9	10	1	CEILING PLASTER					209	P	YES	9
CM187A	9	10	1	CEILING PLASTER					209	P	YES	9
CM188	9	10	2	CEILING PLASTER					209	P	YES	9
CM188A	9	10	2	CEILING PLASTER					209		YES	9
CM189	9	10	3	CEILING PLASTER					209	P	YES	9
CM189A	9	10	3	CEILING PLASTER					209		YES	9
CM190	12	9	4	WALL PLASTER					212	P	NO	9
CM190A	12	9	4	WALL PLASTER					212		NO	9

Table 11
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Service Building

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM137	1	39	1	FLOOR TILE	12X12	BEIGE	TAN	SPECS	201	TEM	NO	9
CM137M	1	39	1	MASTIC		BLACK			201	TEM	NO	9
CM138	1	39	2	FLOOR TILE	12X12	BEIGE	TAN	SPECS	201	TEM	NO	9
CM191	12	9	5	WALL PLASTER					212	P	NO	9
CM191A	12	9	5	WALL PLASTER					212		NO	9
CM192	12	9	6	WALL PLASTER					212	P	NO	9
CM192A	12	9	6	WALL PLASTER					212		NO	9
CM193	11	46	1	FLOOR TILE	9X9	TAN	WHITE	STREAKS	211	P	YES	9
CM193M	11	46	1	MASTIC		BLACK			211	P	YES	9
CM194	11	46	2	FLOOR TILE	9X9	TAN	WHITE	STREAKS	211		YES	9
CM194M	11	46	2	MASTIC		BLACK			211		YES	9
CM195	11	46	3	FLOOR TILE	9X9	TAN	WHITE	STREAKS	211		YES	9
CM195M	11	46	3	MASTIC		BLACK			211		YES	9
CM196	11	47	1	FLOOR TILE	9X9	RED			211	TEM	YES	9
CM196M	11	47	1	MASTIC		BLACK			211	P	YES	9
CM197	11	47	2	FLOOR TILE	9X9	RED			211	TEM	YES	9
CM197M	11	47	2	MASTIC		BLACK			211		YES	9
CM198	11	47	3	FLOOR TILE	9X9	RED			211	TEM	YES	9
CM198M	11	47	3	MASTIC		BLACK			211		YES	9
CM199	11	48	1	FLOOR TILE		WHITE		STREAKS	211	P	YES	9
CM199M	11	48	1	MASTIC		BLACK			211	P	YES	9
CM200	11	48	2	FLOOR TILE		WHITE		STREAKS	211		YES	9
CM200M	11	48	2	MASTIC		BLACK			211		YES	9
CM201	11	48	3	FLOOR TILE		WHITE		STREAKS	211		YES	9
CM201M	11	48	3	MASTIC		BLACK			211		YES	9
CM202	11	9	7	WALL PLASTER					211	P	NO	9
CM203	11	9	8	WALL PLASTER					211	P	NO	9
CM204	11	9	9	WALL PLASTER					211	P	NO	9
CM214	15	52	1	FLOOR TILE	9X9	GREEN			Y111	P	YES	9
CM214M	15	52	1	MASTIC		BLACK			Y111	P	YES	9
CM215	15	52	2	FLOOR TILE	9X9	GREEN			Y111		YES	9
CM215M	15	52	2	MASTIC		BLACK			Y111		YES	9
CM216	15	52	3	FLOOR TILE	9X9	GREEN			Y111		YES	9
CM216M	15	52	3	MASTIC		BLACK			Y111		YES	9
CM217	15	53	1	FLOOR TILE	9X9	GREEN	WHITE	WAVES	Y111	P	YES	9
CM217M	15	53	1	MASTIC		BLACK			Y111	P	YES	9
CM218	15	53	2	FLOOR TILE	9X9	GREEN	WHITE	WAVES	Y111		YES	9
CM218M	15	53	2	MASTIC		BLACK			Y111		YES	9
CM219	15	53	3	FLOOR TILE	9X9	GREEN	WHITE	WAVES	Y111		YES	9
CM219M	15	53	3	MASTIC		BLACK			Y111		YES	9
CM220	38	41	3	TANK INS					238	P	YES	11
JF001	SF	100	1	ROOF FLASH					X109	P	YES	11
JF002	SF	100	2	ROOF FLASH					U109		YES	11
JF003	SF	100	3	ROOF FLASH					V109		YES	11
JF004	SF	100	4	ROOF FLASH					W109		YES	11
JF005	SF	100	5	ROOF FLASH					X111		YES	11
JF006	SF	100	6	ROOF FLASH					X113		YES	11
JF007	SF	100	7	ROOF FLASH					W113		YES	11
JF008	SF	100	8	ROOF FLASH					V113		YES	11
JF009	SF	100	9	ROOF FLASH					W109		YES	11
JF010	SR	101	1	ROOF FELT					Y109	TEM	NO	11
JF012	SR	101	2	ROOF FELT					Y113	TEM	NO	11
JF013	SR	101	3	ROOF FELT					U113	TEM	NO	11
JF014	SR	101	4	ROOF FELT					V111	TEM	NO	11
JF016	SR	101	5	ROOF FELT					W111	TEM	NO	11
JF017	SR	101	6	ROOF FELT					X117	TEM	NO	11
JF018	SR	102	1	PATCH					V116	TEM	NO	11
JF019	SR	102	2	PATCH					V119	TEM	NO	11
JF023	SF	100	10	ROOF FLASH					Y117		YES	11
JF024	SF	100	11	ROOF FLASH					X120		YES	11
JF025	SF	100	12	ROOF FLASH					X115		YES	11
JF042	SF	100	13	ROOF FLASH					U105		YES	11
JF043	SF	100	14	ROOF FLASH					V107		YES	11
JF044	SF	100	15	ROOF FLASH					W106		YES	11
JF045	SR	102	3	PATCH					X105	TEM	NO	11
JF046	SR	102	4	PATCH					V105	TEM	NO	11

Table 12
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Manufacturing Building

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM061	1	17	1	Wood Block Mastic		BLACK			301	TEM	NO	12
CM062	4	18	1	FLOOR TILE	12X12	BROWN			304	P	YES	12
CM063	4	18	2	FLOOR TILE	12X12	BROWN			304	P	YES	12
CM064	4	18	3	FLOOR TILE	12X12	BROWN			304	P	YES	12
CM065	7	19	1	LINOLEUM		RED			I17	TEM	NO	12
CM065M	7	19	1	MASTIC		BLACK			I17	TEM	NO	12
CM066	7	19	2	LINOLEUM		RED			I17	TEM	NO	12
CM066M	7	19	2	MASTIC		BLACK			I17	TEM	NO	12
CM067	7	19	3	LINOLEUM		RED			I17	TEM	NO	12
CM067M	7	19	3	MASTIC		BLACK			I17	TEM	NO	12
CM068	8	20	1	FLOOR TILE	12X12	BEIGE	BROWN	SPECS	I16	P	YES	12
CM069	8	20	2	FLOOR TILE	12X12	BEIGE	BROWN	SPECS	I16		YES	12
CM070	8	20	3	FLOOR TILE	12X12	BEIGE	BROWN	SPECS	I16		YES	12
CM071	12	21	1	FLOOR TILE	12X12	ORANGE			J15	TEM	NO	12
CM071M	12	21	1	MASTIC		BLACK			J15	TEM	NO	12
CM072	12	21	2	FLOOR TILE	12X12	ORANGE			J15	TEM	NO	12
CM072M	12	21	2	MASTIC		BLACK			J15	TEM	NO	12
CM073	12	21	3	FLOOR TILE	12X12	ORANGE			J15	TEM	NO	12
CM073M	12	21	3	MASTIC		BLACK			J15	TEM	NO	12
CM074	13	22	1	FLOOR TILE	12X12	GREY	WHITE	SPECS	L15	TEM	NO	12
CM075	13	22	2	FLOOR TILE	12X12	GREY	WHITE	SPECS	L15	TEM	NO	12
CM076	13	22	3	FLOOR TILE	12X12	GREY	WHITE	SPECS	L15	TEM	NO	12
CM077	13	12	1	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	L15	TEM	NO	12
CM078	13	23	2	FLOOR TILE	12X12	BLACK	WHITE	SPECS	L15	TEM	NO	12
CM079	13	23	3	FLOOR TILE	12X12	BLACK	WHITE	SPECS	L15	TEM	NO	12
CM080	14	150	1	FLOOR TILE	12X12	GREEN	WHITE	WAVES	M15	TEM	NO	12
CM081	14	150	2	FLOOR TILE	12X12	GREEN	WHITE	WAVES	M15	TEM	NO	12
CM082	14	150	3	FLOOR TILE	12X12	GREEN	WHITE	WAVES	M15	TEM	NO	12
CM083	14	25	1	FLOOR TILE	12X12	GREEN	WHITE	SPECS	M15	TEM	NO	12
CM084	14	25	2	FLOOR TILE	12X12	GREEN	WHITE	SPECS	M15	TEM	NO	12
CM085	14	25	3	FLOOR TILE	12X12	GREEN	WHITE	SPECS	M15	TEM	NO	12
CM086	19	26	1	FLOOR TILE	12X12	BROWN	WHITE	SPECS	P17	P	YES	12
CM087	19	26	2	FLOOR TILE	12X12	BROWN	WHITE	SPECS	P17		YES	12
CM088	19	26	3	FLOOR TILE	12X12	BROWN	WHITE	SPECS	P17		YES	12
CM089	27	27	1	CARPET		GREY			I17	TEM	NO	12
CM090	27	27	2	CARPET		GREY			I17	TEM	NO	12
CM091	27	27	3	CARPET		GREY			I17	TEM	NO	12
CM092	28	28	1	FLOOR TILE	9X9	BEIGE	WHITE	WAVES	N14	TEM	YES	12
CM093	28	28	2	FLOOR TILE	9X9	BEIGE	WHITE	WAVES	N14	TEM	YES	12
CM094	28	28	3	FLOOR TILE	9X9	BEIGE	WHITE	WAVES	N14	TEM	YES	12
CM095	13	29	1	FLOOR TILE	12X12	WHITE	TAN	SPECS	L12	P	YES	12
CM095M	13	29	1	MASTIC		BLACK			L12	P	YES	12
CM096	13	29	2	FLOOR TILE	12X12	WHITE	TAN	SPECS	L12		YES	12
CM096M	13	29	2	MASTIC		BLACK			L12		YES	12
CM097	13	29	3	FLOOR TILE	12X12	WHITE	TAN	SPECS	L12		YES	12
CM097M	13	29	3	MASTIC		BLACK			L12		YES	12
CM098	13	30	1	LINOLEUM		BROWN			L12	TEM	NO	12
CM099	13	30	2	LINOLEUM	-	BROWN			L12	TEM	NO	12
CM100	13	30	3	LINOLEUM		BROWN			L12	TEM	NO	12
CM113	33	35	1	ARMAFLEX					G15	TEM	NO	12
CM114	33	35	2	ARMAFLEX					G15	TEM	NO	12
CM115	33	35	3	ARMAFLEX					G15	TEM	NO	12
CM116	33	36	1	FLOOR TILE	12X12	GREEN	WHITE	STREAKS	D18	P	YES	12
CM117	33	36	2	FLOOR TILE	12X12	GREEN	WHITE	STREAKS	D18		YES	12
CM118	33	36	3	FLOOR TILE	12X12	GREEN	WHITE	STREAKS	D18		YES	12
CM205	35	49	1	FLOOR TILE	9X9	GREEN			U111	P	YES	12
CM206	35	49	2	FLOOR TILE	9X9	GREEN			U111		YES	12
CM207	35	49	3	FLOOR TILE	9X9	GREEN			U111		YES	12
CM208	35	50	1	FLOOR TILE	9X9	BLACK			U111	P	YES	12
CM209	35	50	2	FLOOR TILE	9X9	BLACK			U111		YES	12
CM210	35	50	3	FLOOR TILE	9X9	BLACK			U111		YES	12
CM211	35	51	1	FLOOR TILE	12X12	BLACK	WHITE	SPECS	U111	TEM	NO	12
CM211M	35	51	1	MASTIC		BLACK			U111		NO	12
CM212	35	51	2	FLOOR TILE	12X12	BLACK	WHITE	SPECS	U111	TEM	NO	12
CM212M	35	51	2	MASTIC		BLACK			U111		NO	12

Table 12
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Manufacturing Building

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM061	1	17	1	Wood Block Mastic		BLACK			301	TEM	NO	12
CM062	4	18	1	FLOOR TILE	12X12	BROWN			304	P	YES	12
CM063	4	18	2	FLOOR TILE	12X12	BROWN			304	P	YES	12
CM213	35	51	3	FLOOR TILE	12X12	BLACK	WHITE	SPECS	U111	TEM	NO	12
CM213M	35	51	3	MASTIC		BLACK			U111		NO	12
CM221	36	54	1	STATIC FLOOR		BLUE			M8	TEM	NO	12
CM222	36	54	2	STATIC FLOOR		BLUE			M8	TEM	NO	12
CM223	36	54	3	STATIC FLOOR		BLUE			M8	TEM	NO	12
CM224	37	55	1	FLOOR TILE	9 X 9	GREY	WHITE	STREAKS	P8	TEM	YES	12
CM224M	37	55	1	MASTIC		BLACK			P8	P	YES	12
CM225	37	55	2	FLOOR TILE	9 X 9	GREY	WHITE	STREAKS	P8		YES	12
CM225M	37	55	2	MASTIC		BLACK			P8		YES	12
CM226	37	55	3	FLOOR TILE	9 X 9	GREY	WHITE	STREAKS	P8		YES	12
CM226M	37	55	3	MASTIC		BLACK			P8		YES	12
CM227	37	56	1	FLOOR TILE	9 X 9	GREY	WHITE	SPECS	P8	P	YES	12
CM227M	37	56	1	MASTIC		BLACK			P8	P	YES	12
CM228	37	56	2	FLOOR TILE	9 X 9	GREY	WHITE	SPECS	P8		YES	12
CM228M	37	56	2	MASTIC		BLACK			P8		YES	12
CM229	37	56	3	FLOOR TILE	9 X 9	GREY	WHITE	SPECS	P8		YES	12
CM229M	37	56	3	MASTIC		BLACK			P8		YES	12
CM230	36	57	1	LINOLEUM		TAN			I7	TEM	NO	12
CM231	36	57	2	LINOLEUM		TAN			I7	TEM	NO	12
CM232	36	57	3	LINOLEUM		TAN			I7	TEM	NO	12
CM233	41	12	1	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	G2	P	YES	12
CM234	41	58	1	FLOOR TILE	9 X 9	WHITE	BLACK	WAVES	G3	P	YES	12
CM234M	41	58	1	MASTIC		BLACK			G3	P	YES	12
CM234M	39	12	7	MASTIC		BLACK			G3	P	YES	12
CM235	41	58	2	FLOOR TILE	9 X 9	WHITE	BLACK	WAVES	G3		YES	12
CM235M	41	58	2	MASTIC		BLACK			G3		YES	12
CM236	41	58	3	FLOOR TILE	9 X 9	WHITE	BLACK	WAVES	F3		YES	12
CM236M	41	58	3	MASTIC		BLACK			F3		YES	12
CM237	40	12	2	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	K6	P	YES	12
CM238	34	12	4	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	H8	P	YES	12
CM238M	34	12	4	MASTIC		BLACK			H8	P	YES	12
CM239	34	12	5	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	G8		YES	12
CM239M	34	12	5	MASTIC		BLACK			G8		YES	12
CM240	34	12	6	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	F9		YES	12
CM240M	34	12	6	MASTIC		BLACK			F9		YES	12
CM241	34	12	3	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	E7	P	YES	12
CM242	39	12	7	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	G6	P	YES	12
CM243	39	12	8	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	D6		YES	12
CM244	42	59	1	MASTIC-BB		BROWN			342	TEM	NO	13
CM245	42	59	2	MASTIC-BB		BROWN			342	TEM	NO	13
CM246	42	42	1	FLOOR TILE					342	TEM	YES	13
CM247	43	60	2	FLOOR TILE	24 X 24	BEIGE	TAN	STREAKS	P16	TEM	NO	13
CM247M	43	60	2	MASTIC		BLACK			P16	TEM	NO	13
CM248	43	12	1	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	P16	P	YES	13
CM249	44	61	1	MASTIC-CARPET	-				P14	TEM	NO	13
CM250	44	61	2	MASTIC-CARPET					P14	TEM	NO	13
CM251	44	61	3	MASTIC-CARPET					P14	TEM	NO	13
CM252	45	62	1	DUCT CONNECTOR					345	P	NO	13
CM253	45	62	2	DUCT CONNECTOR					345	P	NO	13
CM254	42	63	1	LINOLEUM		GREEN			342	TEM	NO	13
CM254B	42	63	1	BACKING		BLACK			342	TEM	NO	13
CM255	46	64	1	FLOOR TILE	12 X 12	GREY	WHITE	WAVES	P19	P	YES	13
CM255M	46	64	1	MASTIC		BLACK			P19	P	YES	13
CM256	46	64	2	FLOOR TILE	12 X 12	GREY	WHITE	WAVES	P19		YES	13
CM256M	46	64	2	MASTIC		BLACK			P19		YES	13
CM257	46	64	3	FLOOR TILE	12 X 12	GREY	WHITE	WAVES	P19		YES	13
CM257M	46	64	3	MASTIC		BLACK			P19		YES	13
CM258	46	39	1	FLOOR TILE	12X12	BEIGE	TAN	SPECS	P18	P	NO	13
CM259	46	39	2	FLOOR TILE	12X12	BEIGE	TAN	SPECS	P18	P	NO	13
CM260	43	38	1	JOINT COMPOUND					P16	P	YES	13
CM261	47	62	3	DUCT CONNECTOR					347	P	NO	13
CM262	48	65	1	PANEL					348	P	NO	13

Table 12
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Summary of ACM Samples and Laboratory Results
Manufacturing Building

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM061	1	17	1	Wood Block Mastic		BLACK			301	TEM	NO	12
CM062	4	18	1	FLOOR TILE	12X12	BROWN			304	P	YES	12
CM063	4	18	2	FLOOR TILE	12X12	BROWN			304	P	YES	12
CM263	49	65	2	PANEL					349	P	NO	13
CM264	50	66	1	FLOOR TILE	9 X 9	GREEN	BEIGE	WAVES	350	P	YES	13
CM264M	50	66	1	MASTIC		BLACK			350	P	YES	13
CM265	51	66	2	FLOOR TILE	9 X 9	GREEN	BEIGE	WAVES	351		YES	13
CM265M	51	66	2	MASTIC		BLACK			351		YES	13
CM266	52	66	3	FLOOR TILE	9 X 9	GREEN	BEIGE	WAVES	352		YES	13
CM266M	52	66	3	MASTIC		BLACK			352		YES	13
CM267	53	37	3	WALLBOARD					353	P	NO	13
CM268	53	38	2	JOINT COMPOUND					353	P	YES	13
CM269	54	67	1	FLOOR TILE	12 X 12	GREY	BLUE	SPECS	P3	TEM	NO	12
CM270	54	67	2	FLOOR TILE	12 X 12	GREY	BLUE	SPECS	P3	TEM	NO	12
CM271	54	67	3	FLOOR TILE	12 X 12	GREY	BLUE	SPECS	P3	TEM	NO	12
CM272	55	68	1	FLOOR TILE	12 X 12	BROWN	BEIGE	WAVES	P3	TEM	NO	12
CM273	55	68	2	FLOOR TILE	12 X 12	BROWN	BEIGE	WAVES	P3	TEM	NO	12
CM274	55	68	3	FLOOR TILE	12 X 12	BROWN	BEIGE	WAVES	P3	TEM	NO	12
CM275	56	12	3	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	O4		YES	12
CM276	57	69	1	FLOOR TILE	2 X 2	GREEN	BEIGE		I3	TEM	NO	12
CM277	58	70	1	LINOLEUM		GREEN			B7	TEM	NO	12
CM278	58	70	2	LINOLEUM		GREEN			B7	TEM	NO	12
CM279	58	71	1	LINOLEUM		GREY			B7	TEM	NO	12
CM280	58	71	2	LINOLEUM		GREY			B7	TEM	NO	12
CM281	58	24	1	FLOOR TILE	12X12	GREEN	WHITE	WAVES	B3	P	YES	12
CM282	59	151	1	FLOOR TILE	12X12	WHITE	BEIGE	WAVES	B3	TEM	NO	12
CM282M	59	151	1	MASTIC		BLACK			B3	TEM	NO	12
CM283	60	12	1	FLOOR TILE	12X12	WHITE	BLACK	STREAKS	360	P	YES	13
CM283M	60	12	1	MASTIC		BLACK			360	P	YES	13
CM284	60	37	1	WALLBOARD					360	P	NO	13
CM285	60	38	1	JOINT COMPOUND					360	P	YES	13
CM286	61	72	1	CAULKING-WINDOW					B13	P	YES	13
CM287	61	72	2	CAULKING-WINDOW					B13		YES	13
CM288	62	72	3	CAULKING-WINDOW					A15	TEM	YES	13
CM289	63	73	1	FIBERBOARD BACK					363	P	NO	13
CM290	63	74	1	FLOOR TILE	9 X 9	BROWN			363	P	YES	13
CM290M	63	74	1	MASTIC		BLACK			363	P	YES	13
CM291	63	75	1	FLOOR TILE	9 X 9	TAN			363	P	YES	13
CM291M	63	75	1	MASTIC		BLACK			363	P	YES	13
CM292	64	76	1	FLOOR TILE	12 X 12	BEIGE	BEIGE	STREAKS	364	P	YES	13
CM292M	64	76	1	MASTIC		BLACK			364	P	YES	13
CM293	64	76	2	FLOOR TILE	12 X 12	BEIGE	BEIGE	STREAKS	364		YES	13
CM293M	64	76	2	MASTIC		BLACK			364		YES	13
CM294	64	76	3	FLOOR TILE	12 X 12	BEIGE	BEIGE	STREAKS	364		YES	13
CM294M	64	76	3	MASTIC		BLACK			364		YES	13
CM295	MER2	77	1	DUCT COATING					E3	P	YES	14
CM296	MER1	77	2	DUCT COATING					E5		YES	14
CM297	MER3	77	3	DUCT COATING					E7		YES	14
CM298	65	78	1	FLOOR TILE	9 X 9	GREEN		SOFT	365	TEM	NO	13
CM299	65	79	1	FLOOR TILE	9 X 9	BLACK	GREEN		365	TEM	NO	13
CM300	65	78	2	FLOOR TILE	9 X 9	GREEN		SOFT	365	TEM	NO	13
CM301	65	79	2	FLOOR TILE	9 X 9	BLACK	GREEN		365	TEM	NO	13
CM302	65	78	3	FLOOR TILE	9 X 9	GREEN		SOFT	365	TEM	NO	13
CM303	65	79	3	FLOOR TILE	9 X 9	BLACK	GREEN		365	TEM	NO	13
CM304	66	80	1	SPRAY-ON FP					366	P	YES	13
CM305	66	80	2	SPRAY-ON FP					366		YES	13
CM306	66	80	3	SPRAY-ON FP					366		YES	13
CM344	M	98	1	FIBERBOARD					P7	P	NO	12
CM345	M	98	2	FIBERBOARD					P8	P	NO	12
CM346	M	99	1	FLOOR TILE	12 X 12	TAN	BEIGE		P8	TEM	NO	12
CM347	M	99	2	FLOOR TILE	12 X 12	TAN	BEIGE		P8	TEM	NO	12
CM348	M	99	3	FLOOR TILE	12 X 12	TAN	BEIGE		P8	TEM	NO	12
CM349	M	152	1	SHINGLES SIDING B 3					Q5	TEM	NO	12
CM350	M	152	2	SHINGLES SIDING B 3					Q5	P	NO	12
CM358	EX	142	1	DUCT COATING BLDG 3		BLACK			Q5	P	YES	12

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Manufacturing Building

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM061	1	17	1	Wood Block Mastic		BLACK			301	TEM	NO	12
CM062	4	18	1	FLOOR TILE	12X12	BROWN			304	P	YES	12
CM063	4	18	2	FLOOR TILE	12X12	BROWN			304	P	YES	12
CM500	M	148	1	FLOOR TILE	12X12	TAN	BROWN	STREAKS	E9	TEM	YES	12
CM500M	M	148	1	MASTIC		BLACK			E9	TEM	NO	12
CM501	M	149	1	FLOOR TILE	12X12	BEIGE	BLUE	WAVES	H9	TEM	NO	12
CM501M	M	149	1	MASTIC		BLACK			H9	TEM	YES	12
GNWB 11A	M	17	3	MASTIC WOOD BLK		BLACK			A11	TEM	NO	12
GNWB 13 A	M	17	2	MASTIC WOOD BLK		BLACK			A13	TEM	NO	12
GNWB 9A	M	147	1	MASTIC LINOLEUM		RED			A9	TEM	NO	12
GNWB 9AM	M	17	1	MASTIC WOOD BLK		BLACK			A9	TEM	NO	12
GNWB A1	M	146	1	MASTIC WOOD BLK		BROWN			A1	TEM	YES	12
JF048	M	106	1	ROOF FELT A-F					A3	TEM	NO	14
JF049	M	110	1	ROOF FLASHING					A1	P	YES	14
JF050	M	111	1	ROOF PATCH					A3	TEM	YES	14
JF051	M	106	2	ROOF FELT A-F					A8	TEM	NO	14
JF052	M	106	3	ROOF FELT A-F					A15	TEM	NO	14
JF053	M	110	2	ROOF FLASHING					A19		YES	14
JF054	M	111	2	ROOF PATCH					B4		YES	14
JF055	M	110	3	ROOF FLASHING					B2		YES	14
JF056	M	106	4	ROOF FELT A-F					B3	TEM	NO	14
JF057	M	111	3	ROOF PATCH					B15		YES	14
JF058	M	110	4	ROOF FLASHING					B17		YES	14
JF059	M	110	5	ROOF FLASHING					C4		YES	14
JF060	M	106	5	ROOF FELT A-F					C3	TEM	NO	14
JF062	M	110	6	ROOF FLASHING					C7		YES	14
JF063	M	111	4	ROOF PATCH					C17		YES	14
JF064	M	111	5	ROOF PATCH					D5		YES	14
JF065	M	110	7	ROOF FLASHING					D6		YES	14
JF066	M	110	7	ROOF FLASHING					D8		YES	14
JF067	M	106	6	ROOF FELT A-F					D8	TEM	NO	14
JF068	M	106	7	ROOF FELT A-F					D9		NO	14
JF070	M	110	8	ROOF FLASHING					E5		YES	14
JF072	M	111	6	ROOF PATCH					E5		YES	14
JF073	M	106	7	ROOF FELT A-F					E2	TEM	NO	14
JF074	M	110	9	ROOF FLASHING					F5		YES	14
JF075	M	106	8	ROOF FELT A-F					F5	TEM	NO	14
JF076	M	111	7	ROOF PATCH					F8		YES	14
JF077	M	106	9	ROOF FELT A-F					F9	TEM	NO	14
JF078	M	110	10	ROOF FLASHING					F15		YES	14
JF079	M	107	10	ROOF FELT F-I					F15	TEM	YES	14
JF080	M	111	8	ROOF PATCH					F17		YES	14
JF081	M	111	9	ROOF PATCH					G18		YES	14
JF082	M	107	11	ROOF FELT F-I					G15		YES	14
JF083	M	110	11	ROOF FLASHING					G15		YES	14
JF084	M	107	12	ROOF FELT F-I					G9		YES	14
JF085	M	107	13	ROOF FELT F-I					G5		YES	14
JF086	M	110	12	ROOF FLASHING					G5		YES	14
JF087	M	111	10	ROOF PATCH					G2		YES	14
JF088	M	110	13	ROOF FLASHING					H5		YES	14
JF089	M	107	14	ROOF FELT F-I					H5		YES	14
JF090	M	111	11	ROOF PATCH					H6		YES	14
JF091	M	107	15	ROOF FELT F-I					H9		YES	14
JF092	M	107	16	ROOF FELT F-I					H15		YES	14
JF093	M	110	14	ROOF FLASHING					H15		YES	14
JF094	M	111	12	ROOF PATCH					H17		YES	14
JF095	M	110	15	ROOF FLASHING					I5		YES	14
JF096	M	107	17	ROOF FELT F-I					I5		YES	14
JF097	M	107	18	ROOF FELT F-I					I9		YES	14
JF098	M	110	16	ROOF FLASHING					I15		YES	14
JF099	M	108	19	ROOF FELT I-L					I15	P	YES	14
JF100	M	111	13	ROOF PATCH					J4		YES	14
JF101	M	110	17	ROOF FLASHING					J5		YES	14
JF102	M	108	20	ROOF FELT I-L					J5	P	YES	14
JF103	M	108	21	ROOF FELT I-L					J9	P	YES	14

Table 12
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Manufacturing Building

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM061	1	17	1	Wood Block Mastic		BLACK			301	TEM	NO	12
CM062	4	18	1	FLOOR TILE	12X12	BROWN			304	P	YES	12
CM063	4	18	2	FLOOR TILE	12X12	BROWN			304	P	YES	12
JF104	M	111	14	ROOF PATCH					J15		YES	14
JF105	M	110	18	ROOF FLASHING					J15		YES	14
JF106	M	108	22	ROOF FELT I-L					J15	P	YES	14
JF107	M	111	15	ROOF PATCH					J18		YES	14
JF108	M	110	19	ROOF FLASHING					K5		YES	14
JF109	M	108	23	ROOF FELT I-L					K5	P	YES	14
JF110	M	108	24	ROOF FELT I-L					K9	P	YES	14
JF111	M	111	16	ROOF PATCH					K11		YES	14
JF112	M	110	20	ROOF FLASHING					K15		YES	14
JF113	M	108	25	ROOF FELT I-L					K15	P	YES	14
JF114	M	110	21	ROOF FLASHING					L5		YES	14
JF115	M	111	17	ROOF PATCH					L6		YES	14
JF116	M	108	27	ROOF FELT I-L					L6		YES	14
JF117	M	110	22	ROOF FLASHING					L1		YES	14
JF118	M	108	26	ROOF FELT I-L					L2	P	YES	14
JF119	M	110	23	ROOF FLASHING					M5		YES	14
JF120	M	109	28	ROOF FELT M-P					M5	TEM	NO	14
JF121	M	109	29	ROOF FELT M-P					M9	TEM	NO	14
JF122	M	110	24	ROOF FLASHING					M15		YES	14
JF123	M	109	30	ROOF FELT M-P					M15	TEM	NO	14
JF124	M	110	25	ROOF FLASHING					N5		YES	14
JF125	M	109	31	ROOF FELT M-P					N5	TEM	NO	14
JF126	M	109	32	ROOF FELT M-P					N9	TEM	NO	14
JF127	M	110	26	ROOF FLASHING					N15		YES	14
JF128	M	109	33	ROOF FELT M-P					N15	TEM	NO	14
JF129	M	110	27	ROOF FLASHING					O15		YES	14
JF130	FR	112	1	ROOF FAN ROOM					FR1	TEM	NO	14
JF131	FR	113	1	ROOF FAN ROOM					FR1	P	YES	14
JF132	FR	114	1	ROOF FAN ROOM					FR1	P	YES	14
JF133	FR	113	2	ROOF FAN ROOM					FR2		YES	14
JF134	FR	112	2	ROOF FAN ROOM					FR2	TEM	NO	14
JF135	FR	112	3	ROOF FAN ROOM					FR3	TEM	NO	14
JF136	FR	113	3	ROOF FAN ROOM					FR3		YES	14
JF137	FR	114	2	ROOF FAN ROOM					FR3		YES	14
JF138	FR	115	1	ROOF FAN ROOM					FR3	P	YES	14
JF139	FR	112	4	ROOF FAN ROOM					FR4	TEM	NO	14
JF140	FR	113	4	ROOF FAN ROOM					FR4		YES	14
JF141	FR	115	2	ROOF FAN ROOM					FR4		YES	14
JF142	FR	114	3	ROOF FAN ROOM					FR4		YES	14
JF143	FR	114	4	ROOF FAN ROOM					FR3		YES	14
JF144	FR	112	5	ROOF FAN ROOM					FR5	TEM	NO	14
JF145	FR	113	5	ROOF FAN ROOM					FR5		YES	14
JF146	FR	115	3	ROOF FAN ROOM					FR5		YES	14
JF147	FR	114	5	ROOF FAN ROOM					FR5		YES	14
JF148	FR	114	6	ROOF FAN ROOM					FR6		YES	14
JF149	FR	112	6	ROOF FAN ROOM					FR6	TEM	NO	14
JF150	FR	113	6	ROOF FAN ROOM					FR6		YES	14
JF151	FR	113	7	ROOF FAN ROOM					FR11		YES	14
JF152	FR	112	7	ROOF FAN ROOM					FR11	TEM	NO	14
JF153	FR	114	7	ROOF FAN ROOM					FR12		YES	14
JF154	FR	114	8	ROOF FAN ROOM					FR15		YES	14
JF155	FR	113	8	ROOF FAN ROOM					FR16		YES	14
JF156	FR	112	8	ROOF FAN ROOM					FR16	TEM	NO	14
JF157	FR	113	9	ROOF FAN ROOM					FR18		YES	14
JF158	FR	112	9	ROOF FAN ROOM					FR18	TEM	NO	14
JF159	FR	114	9	ROOF FAN ROOM					FR11		YES	14
JF170	M	109	34	ROOF FELT M-P					O15	TEM	NO	14
JF171	M	111	18	ROOF PATCH					O15		YES	14
JF172	M	111	19	ROOF PATCH					O10		YES	14
JF173	M	109	35	ROOF FELT M-P					O9	TEM	NO	14
JF175	M	110	28	ROOF FLASHING					O5		YES	14
JF176	M	109	36	ROOF FELT M-P					O5	TEM	NO	14

Table 13
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Garage

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
BH168	G	127	1	ROOF						TEM	NO	16
BH169	G	127	2	ROOF						TEM	NO	16
BH177	G	127	3	ROOF						TEM	NO	16
BH178	G	126	1	ROOF FLASH						P	YES	16
BH179	G	126	2	ROOF FLASH							YES	16
BH180	G	126	3	ROOF FLASH							YES	16
CM307	G	36	1	FLOOR TILE	12X12	GREEN	WHITE	STREAKS		TEM	NO	15
CM308	G	81	1	CAULKING-WINDOW					A12	TEM	NO	15
CM309	G	81	2	CAULKING-WINDOW					A10	TEM	NO	15
CM310	G	82	1	PIPE INSULATION	2 - 4					P	NO	15
CM311	G	83	1	FITTINGS						P	YES	15

Table 14
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Boiler House

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
BH160	BH	125	1	ROOF FELT BLDG 5					A6	TEM	NO	19
BH161	BH	125	2	ROOF FELT BLDG 5					C2	TEM	NO	19
BH162	BH	125	3	ROOF FELT BLDG 5					C7	TEM	NO	19
BH163	BH	125	4	ROOF FELT BLDG 5					E3	TEM	NO	19
BH164	BH	124	1	ROOF FLASH BLDG 5					E9	P	YES	19
BH165	BH	124	2	ROOF FLASH BLDG 5					C9	P	YES	19
BH166	BH	124	3	ROOF FLASH BLDG 5					B9	P	YES	19
BH167	BH	124	4	ROOF FLASH BLDG 5					A7		YES	19
CM312	BH	84	1	CLOTH					D9	P	YES	17
CM313	BH	85	1	REFRACTORY					E9	P	YES	17
CM314	BH	86	1	GASKET					E8	P	YES	17
CM315	BH	86	2	GASKET					E8		YES	17
CM316	BH	87	1	CAULKING-WINDOW					A4	P	YES	17
CM317	BH	87	2	CAULKING-WINDOW					A6	P	YES	17
CM318	BH	87	3	CAULKING-WINDOW					A8		YES	17
CM351	EXT	129	1	FLY ASH - INCINERATOR					E11	P	NO	17

Table 15
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Maintenance

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
MS203	MS	122	1	ROOF FELT BLDG 6					C18	P	YES	21
MS204	MS	122	2	ROOF FELT BLDG 6					E18		YES	21
MS205	MS	122	3	ROOF FELT BLDG 6					G18		YES	21
MS206	MS	122	4	ROOF FELT BLDG 6					I18		YES	21
MS207	MS	123	1	ROOF FLASH BLDG 6					A18	P	YES	21
MS208	MS	123	2	ROOF FLASH BLDG 6					E18		YES	21
MS209	MS	123	3	ROOF FLASH BLDG 6					E18		YES	21
MS210	MS	123	4	ROOF FLASH BLDG 6					I18		YES	21
CM319	FO	88	1	PIPE INSULATION					A18	P	YES	20
CM320	FO	89	1	FITTINGS					A18	P	NO	20

Table 16
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Foundry

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM329	F	90	1	CAULKING-WINDOW					C28	P	YES	22
CM330	F	90	2	CAULKING-WINDOW					A28	P	YES	22
CM331	F	90	3	CAULKING-WINDOW					C28		YES	22
CM332	F	91	1	FLOOR TILE	12 X 12	GREY	BEIGE	STREAKS	C23	TEM	NO	22
CM333	F	92	1	FLOOR TILE	12 X 12	GREY	BEIGE	WAVES	C23		YES	22
CM334	F	91	2	FLOOR TILE	12 X 12	GREY	BEIGE	STREAKS	E23	TEM	NO	22
CM335	F	92	2	FLOOR TILE	12 X 12	GREY	BEIGE	WAVES	E23	TEM	YES	22
CM343	F	97	1	LINOLEUM		RED			I28	TEM	NO	22
CM343M	F	97	1	MASTIC		BLACK			I28	TEM	NO	22
JF189	F	118	1	ROOF FELT BLDG 7					E21	TEM	NO	23
JF190	F	119	1	ROOF FLASH BLDG 7					I18	P	YES	23
JF191	F	118	2	ROOF FELT BLDG 7					G18	TEM	NO	23
JF192	F	119	2	ROOF FLASH BLDG 7					A21		YES	23
JF193	F	118	3	ROOF FELT BLDG 7					E3	TEM	NO	23
JF194	F	119	3	ROOF FLASH BLDG 7					A5		YES	23

Table 17
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Environmental Building

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM336	EV	93	1	FLOOR TILE	12 X 12	BROWN	BEIGE	STREAKS	A1	P	YES	24
CM337	EV	93	2	FLOOR TILE	12 X 12	BROWN	BEIGE	STREAKS	A1		YES	24
CM338	EV	93	3	FLOOR TILE	12 X 12	BROWN	BEIGE	STREAKS	D1		YES	24
CM339	EV	94	1	CAULKING-WINDOW					A1	TEM	NO	24
CM340	EV	94	2	CAULKING-WINDOW					D1	TEM	NO	24
CM341	EV	95	1	FLOOR TILE	12 X 12	WHITE			C2	P	YES	24
CM342	EV	96	1	LAB TABLE					3C	P	YES	24
EV181	EV	116	1	ROOF FELT BLDG 8					H2	TEM	NO	25
EV182	EV	116	2	ROOF FELT BLDG 8					E4	TEM	NO	25
EV183	EV	116	3	ROOF FELT BLDG 8					B5	TEM	NO	25
EV184	EV	116	4	ROOF FELT BLDG 8					H5	TEM	NO	25
EV185	EV	117	1	ROOF FLASH BLDG 8					I1	P	YES	25
EV186	EV	117	2	ROOF FLASH BLDG 8					A1	P	YES	25
EV187	EV	117	3	ROOF FLASH BLDG 8					A6	P	YES	25
EV188	EV	117	4	ROOF FLASH BLDG 8					I6	P	YES	25

Table 18
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Lake House

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
BH195	LH	120	1	ROOF FELT BLDG 9					A2	TEM	NO	28
BH196	LH	120	2	ROOF FELT BLDG 9					A3	TEM	NO	28
BH197	LH	120	3	ROOF FELT BLDG 9					E3	TEM	NO	28
BH198	LH	120	4	ROOF FELT BLDG 9					C4	TEM	NO	28
BH199	LH	121	1	ROOF FLASH BLDG 9					F2	P	YES	28
BH200	LH	121	2	ROOF FLASH BLDG 9					A2		YES	28
BH201	LH	121	3	ROOF FLASH BLDG 9					F2		YES	28
BH202	LH	121	4	ROOF FLASH BLDG 9					F4		YES	28
CM321	LH	131	1	PLASTER WALL					E1	P	NO	27
CM321B	LH	131	1	PLASTER WALL					E1	P	NO	27
CM322	LH	131	2	PLASTER WALL					F1	P	NO	27
CM322B	LH	131	2	PLASTER WALL					F1	P	NO	27
CM323	LH	131	3	PLASTER WALL					E2	P	NO	27
CM323B	LH	131	3	PLASTER WALL					E2	P	NO	27
CM324	LH	132	1	FITTINGS	4 - 8				C1	P	YES	26
CM325	LH	133	1	FITTINGS LAGGING	4 - 8				SOUTH WALK	TEM	NO	27
CM326	LH	128	1	EXT PIPE INS BLDG 9					NORTH WALK	P	NO	27
CM327	LH	153	1	SHINGLES SIDING B 9					E4	TEM	NO	27
CM328	LH	136	1	CAULKING WIND					F1	P	YES	27

Table 19
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of ACM Samples and Laboratory Results
Security Posts

Lab Samp #	Sample ID #			Description	Size	Color	Color 2	Texture	Room or Col #	Lab Meth	Asb Y/N	Ref Draw
CM352	GH6	130	1	FLOOR TILE	12 X 12	GREY	BLUE	WAVES	GH6	TEM	NO	29
CM353	GH7	137	1	FLOOR TILE	12 X 12	WHITE	BROWN	STREAKS	GH7	TEM	YES	29
CM354	GH7	138	1	CEILING TILE GUARD 7	1 X 1	WHITE			GH7	P	NO	29
CM355	GH7	139	1	FIBERBOARD					GH7	P	NO	29
CM356	GH5	140	1	PLASTER CEILING GUARD 5					GH5	P	NO	29
CM357	GH5	141	1	ROOF FELT GUARD 5		BLACK			GH5	P	YES	29
CM359	GH8	143	1	ROOF FLASH GUARD 8		BLACK			GH8	P	YES	29
CM360	GH8	144	1	ROOF FELT GUARD 8		BLACK			GH8	TEM	NO	29
CM361	GH5	145	1	ROOF FLASH GUARD 5		BLACK			GH5	P	YES	29

Table 20
Lockheed Martin Corporation
Great Neck Facility Assessment
ACM Hazard Rating

Hazard Rating	Condition	Potential for Damage	Response Action
7	Significantly Damaged	All	Evacuate or isolate the area as needed. Remove ACM or enclose or encapsulate if sufficient to contain the fibers. Repair TSI if feasible, O&M for all friable ACM.
6	Damaged	Potential for Significant Damage	Evacuate or isolate the area as needed. Remove, enclose, encapsulate, or repair to correct damage. Take steps to reduce potential for disturbance. O&M for all friable ACM.
5	Damaged	Potential for Damage	Remove, enclose, encapsulate, or repair to correct damage. O&M for all friable ACM.
4	Damaged	Low Potential for Damage	Same as #5.
3	Intact	Potential for Significant Damage	Evacuate or isolate the area if needed. Take steps to reduce the potential for disturbance. O&M for all friable ACM.
2	Intact	Potential for Damage	O&M for all friable ACM.
1	Intact	Low Potential for Damage	O&M for all friable ACM.

Table 21
Lockheed Martin Corporation
Great Neck Facility Assessment
Quantity and Hazardous Ranking for ACM

BUILD #	HOMO #	LOCATION	MATERIAL	QUANTITY	Un	% Asb	HAZ RATING
ADMIN	10	STAIRWELLS, (3)	CEIL PLASTER	3,300	SF	8.3	3
ADMIN	15,12,33	ALL FLOORS	FLOOR TILE 12 X 12 & MASTIC	24,195	SF	6.4-33	3
ADMIN	31, 32, 53, 50		FLOOR TILE 9 X 9 & MASTIC	15,700	SF	2.7-20	3
ADMIN	8	PH 9 & 7, VARIOUS 1 & 2 FLR.	FLOOR TILE MASTIC	3,240	SF	8.4	1
ADMIN	38	THROUGHOUT	JOINT COMPOUND	85,500	SF	5.9	3
ADMIN	4	THROUGHOUT	PIPE JOINTS		EA	29	3
ADMIN	3	THROUGHOUT	PIPE INSULATION		LF	14	3
ADMIN	103	THROUGHOUT	ROOF FLASHING	1,400	LF	13	2
ADMIN	105	THROUGHOUT	ROOF PH	4,000	SF	3.3	2
ADMIN	72	THROUGHOUT	CAULKING-WINDOW	8,000	LF	1.6	1
SERVICE	12,	10, 17-37	FLOOR TILE 12 X 12 & MASTIC	8,400	SF	12	3
SERVICE	31, 32, 46, 47, 48, 52, 53	1-7, 11, 15, 16	FLOOR TILE 9 X 9 & MASTIC	14,800	SF	2.7-20	3
SERVICE	45	13,14,9,8	CEILING PLASTER	6,800	SF	10	3
SERVICE	38	THROUGHOUT	JOINT COMPOUND	15,000	SF	5.9	3
SERVICE	4	THROUGHOUT	PIPE JOINTS		EA	29	3
SERVICE	3	THROUGHOUT	PIPE INSULATION		LF	14	3
SERVICE	100	THROUGHOUT	ROOF FLASH	2,080	LF	5.3	2
SERVICE	41	FAN ROOM	TANK INS		SF	20	3
SERVICE	43	EXT COOLING TOWER #1	TRANSITE	10	CY	40	3
SERVICE	72	THROUGHOUT	CAULKING-WINDOW	1,000	LF	1.6	1
MFG	10	STAIRWELLS	CEIL PLASTER		SF	8.3	3
MFG	12, 15, 18, 20, 24, 26, 29, 36, 42, 64, 76, 92, 148	THROUGHOUT	FLOOR TILE 12 X 12 & MASTIC	278,000	SF	2-17.8	
MFG	28, 49, 50, 53, 55, 56, 58, 66, 74, 75	THROUGHOUT	FLOOR TILE 9 X 9 & MASTIC	190,000	SF	2.1-20	3
MFG	149	THROUGHOUT	FLOOR TILE MASTIC	24,000	SF	2.6	3
MFG	72	THROUGHOUT	CAULKING-WINDOW	100,000	LF	3.7	1
MFG	142,77	ROOF & FAN ROOMS (18)	DUCT COATING	16,000	SF	1.2-7	3
MFG	38	THROUGHOUT	JOINT COMPOUND	200,000	SF	5.9	3
MFG	146	THROUGHOUT	MASTIC WOOD BLK	NOT KNOWN	SF	13.88	1
MFG	4	THROUGHOUT	PIPE JOINTS		EA	29	3
MFG	3	THROUGHOUT	PIPE INSULATION		LF	14	3
MFG	107, 108	COL F-L	ROOF FELT	403,200	SF	5.1-8.2	2
MFG	113, 114, 115	FAN ROOM, (18)	ROOF FELT	43,200	SF	3.9-9	2
MFG	110	THROUGHOUT	ROOF FLASHING	71,120	LF	3.3	2
MFG	111	PSTCHING	ROOF PATCH	32,000	SF	2.3	2
MFG	80	66	SPRAY-ON FP	3,200	SF	33	6
MFG	43	MER AT ENTRANCES	TRANSITE		SF	40	3
MFG	43	EXT COOLING TOWER #2,3,4,5	TRANSITE	40	CY	40	3
GARAGE	4, 83	THROUGHOUT	PIPE JOINTS		EA	20	3
GARAGE	3	THROUGHOUT	PIPE INSULATION		LF	14	3
GARAGE	126	THROUGHOUT	ROOF FLASH	370	LF	6.1	2
BOILER	87	THROUGHOUT	CAULKING-WINDOW	1,200	LF	1.8	1
BOILER	86, 84	BLR 5 & 6	GASKET	50	SF	80-100	1
BOILER	4	THROUGHOUT	PIPE JOINTS		EA	29	3
BOILER	3	THROUGHOUT	PIPE INSULATION		LF	14	3
BOILER	85	BLR 5 & 6	REFRACTORY	500	SF	17	4
BOILER	124	THROUGHOUT	ROOF FLASH	700	LF	6.3	2
MAINT	4	THROUGHOUT	PIPE JOINTS		EA	29	3

Table 21
Lockheed Martin Corporation
Great Neck Facility Assessment
Quantity and Hazardous Ranking for ACM

BUILD #	HOMO #	LOCATION	MATERIAL	QUANTITY	Un	% Asb	HAZ RATING
MAINT	3, 88	THROUGHOUT	PIPE INSULATION		LF	21	3
MAINT	122	THROUGHOUT	ROOF FELT	10,000	SF	2	2
MAINT	123	THROUGHOUT	ROOF FLASH	500	LF	7	2
FOUNDRY	90	THROUGHOUT	CAULKING-WINDOW	3,500	LF	1.5	1
FOUNDRY	31, 32	G & H 21-23	FLOOR TILE	1,000	SF	10-20	3
FOUNDRY	92	C & G 18-23	FLOOR TILE	9,000	SF	2.7	3
FOUNDRY	4	THROUGHOUT	PIPE JOINTS		EA	29	3
FOUNDRY	3	THROUGHOUT	PIPE INSULATION		LF	14	3
FOUNDRY	119	THROUGHOUT	ROOF FLASH	2,000	LF	12	2
ENVIR	93, 95	THROUGHOUT	FLOOR TILE	28,000	SF	2.9-7.8	3
ENVIR	96	THROUGHOUT	LAB TABLE	50	EA	36	1
ENVIR	4	THROUGHOUT	PIPE JOINTS		EA	29	3
ENVIR	3	THROUGHOUT	PIPE INSULATION		LF	14	3
ENVIR	117	THROUGHOUT	ROOF FLASH	900	LF	9.3	2
LAKE HSE	136	EXT	CAULKING WIND	250	LF	1.5	1
LAKE HSE	4, 132	THROUGHOUT	PIPE JOINTS		EA	18	3
LAKE HSE	3	THROUGHOUT	PIPE INSULATION		LF	14	3
LAKE HSE	121	THROUGHOUT	ROOF FLASH	350	LF	7.9	2
SECURITY	137	GUARD 7	FLOOR TILE	100	SF	5.9	3
SECURITY	4	THROUGHOUT	PIPE JOINTS		EA	29	3
SECURITY	3	THROUGHOUT	PIPE INSULATION		LF	14	3
SECURITY	141, 145, 143	GUARD POSTS	ROOF FELT & FLASHING	3,000	SF	2.1-6.4	2

Table 22
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Bulk Samples for Lead Based Paint and Laboratory Results

Lab Samp #	Sample ID #		Description	Build	Location	Component	Hazard Y/N	% WT. Lead	% WT. Chromium	% WT. Zinc	Ref Draw
20072	LP	800	BEIGE	MFG	A-14	WALL		0.02	0.001	0.182	57
20073	LP	801	BEIGE	MFG	B-14	WINDOW		0.19	0.013	0.698	57
20074	LP	802	NAVY BLUE	MFG	A-4	WALL		0.02	0.001	0.006	57
20075	LP	803	BLACK	MFG	B-4	WALL		0.02	0.001	0.010	57
20076	LP	804	SILVER	SERVICE	FAN RM	DUCT		0.04	0.556	1.475	57
20077	LP	805	WHITE	GARAGE	LOCKER RM	WALL		0.27	0.045	1.373	58
20078	LP	806	RED	BOILER	2ND FLR	FLOOR		0.27	0.005	3.632	59
20079	LP	807	AQUA	BOILER	UNIT 5	SIDE	YES	0.57	0.085	0.183	59
20080	LP	808	ORANGE	BOILER	UNIT 6	SIDE	YES	12.93	3.188	0.242	59
20081	LP	809	LIGHT BLUE	BOILER	PUMP RM	WALL		0.23	0.003	2.356	59
20082	LP	810	PEACH	LAKE HSE	C-1	WALL		0.08	0.004	0.063	61
20083	LP	811	LIGHT GREY	LAKE HSE	E-1	WINDOW	YES	0.52	<0.005	1.347	61
20084	LP	812	BEIGE	LAKE HSE	C-1	WINDOW	YES	0.54	0.063	1.440	61
20085	LP	813	WHITE	LAKE HSE	C-2	DUCT	YES	4.22	<0.005	2.582	61
20086	LP	814	LIGHT GREEN	FOUNDRY	A-28	WALL		0.32	<0.005	0.263	60
20087	LP	815	BEIGE	FOUNDRY	E-28	WALL	YES	0.71	0.089	0.071	60
20088	LP	816	BEIGE	FOUNDRY	G-28	BEAM		0.02	<0.005	0.229	60
20089	LP	817	BROWN/ORANGE	FOUNDRY	G-28	STAIRS	YES	14.52	0.001	3.170	60
20090	LP	818	TURQUOISE	FOUNDRY	2ND FLR	BEAM		0.09	0.001	0.025	60
20091	LP	819	NAVY GREY	EXTERIOR	ENTRY 5	F HOSE DOOR	YES	2.95	0.007	7.078	57
20092	LP	820	LIGHT GREEN	EXTERIOR	RADAR TOWER	STAIRS	YES	2.53	0.031	5.997	57
20093	LP	821	BLUE GREY	EXTERIOR	RADAR TOWER	BEAM	YES	2.51	0.025	2.883	57
20094	LP	822	BLUE SILVER	FOUNDRY	A-1 EXT	OVERHEAD DR	YES	1.57	0.328	20.307	60
20095	LP	823	GREY ORANGE	EXTERIOR	OIL TANK	TANK WALL	YES	10.35	0.008	4.590	59
20096	LP	824	GREEN	FOUNDRY	CONFINED SPACE	EQUIPMENT		0.09	0.015	0.730	60
20097	LP	825	YELLOW	MFG	2ND FLR Q-10	WALL		0.27	0.033	0.593	57
20098	LP	826	YELLOW	MFG	2ND FLR Q-10	WALL		0.43	0.054	0.389	57
20099	LP	827	YELLOW	MFG	EXIT 7	RAILING	YES	7.69	2.329	7.600	57
20100	LP	828	ORANGE	BOILER	PUMP RM	DOOR	YES	20.29	2.325	2.036	59
20101	LP	829	RED	BOILER	PUMP RM	PIPE	YES	2.73	0.333	1.625	59
20102	LP	830	RED	BOILER	EXT EAST	WALL	YES	2.15	0.486	23.351	59
20103	LP	831	BROWN	MFG	ENTRY 5	DOOR	YES	4.41	1.017	0.020	57
20104	LP	832	BROWN	MFG	ENTRY 5	STAIR RAIL	YES	4.89	0.174	1.994	57
20105	LP	833	LIGHT BLUE	BOILER	UNIT 5	SIDE		0.19	0.042	0.288	59
20335	LP	834	WHITE	GUARD 5		WALL		0.28	0.026	0.123	57
20336	LP	835	GREY ORANGE	GUARD 5		CEILING	YES	15.35	3.624	2.091	57
20337	LP	836	LIGHT YELLOW	SERVICE	EXT W-107	RAILING	YES	4.68	0.009	8.702	57
20338	LP	837	BEIGE	MFG	2ND FLR ENTRY 7	DOOR		0.18	0.024	0.596	57
20339	LP	838	WHITE	MFG	ENTRY 5	WALL	YES	3.06	0.457	1.156	57
20340	LP	839	WHITE	MFG	ENTRY 5	WALL		0.24	0.048	0.229	57
20341	LP	840	DARK GREEN	MFG	B-7	FLOOR		0.01	0.001	0.639	57
20342	LP	841	GREY	SERVICE	EXT W-115	DOOR	YES	4.13	0.912	0.301	57

Table 23
Lockheed Martin
Great Neck Facility Assessment
Summary of Environmental Analytical Results

Sample Identification Sample Type Units	EPA Regulatory Level mg/l	GN-WB-01 Wood Block mg/kg	GN-WB-02 Wood Block mg/kg	GN-WB-03 Wood Block mg/kg	GN-WB-04 Wood Block mg/kg	GN-WB-05 Wood Block mg/kg	GN-WB-06 Wood Block mg/l
Volatiles, mg/kg							
Methylene Chloride		7 B	18 B	5.9 B	3.7 B	3.4 B	ND
Toluene		ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND
Tetrachloroethene		ND	ND	ND	ND	ND	ND
Xylene (ortho)		ND	ND	ND	ND	ND	ND
Xylene (para & meta)		ND	ND	ND	0.68 J	ND	ND
Semivolatiles, mg/kg							
Phenanthrene		500	1400	1800	2500	2500	ND
Anthracene		240	1300	1400	2600	2600	ND
Phenol		ND	ND	ND	ND	ND	ND
Di-n-butylphthalate		ND	ND	280	350	71	ND
Butylbenzylphthalate		ND	ND	ND	ND	21	ND
bis(2-Ethylhexyl)phthalate		ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol		ND	ND	ND	ND	ND	ND
Naphthalene		28	130	230	510	190	ND
Fluoranthene		820	2400	3100	4100	3600	ND
Pyrene		500	1100	1500	1800	1700	ND
Fluorene		75	520	590	990	1400	ND
Acenaphthylene		46	38	64	150	57	ND
Acenaphthene		75	440	470	850	1400	ND
Benzo[a]anthracene		440	580	740	830	480	ND
Benzo[b]fluoranthene		210	370	470	450	72	ND
Benzo[k]fluoranthene		210	340	290	610	100	ND
Benzo[a]pyrene		210	480	520	610	83	ND
Indeno[1,2,3-cd]pyrene		210	500	660	800	86	ND
Dibenz[a,h]anthracene		99	290	300	360	39	ND
benzo[g,h,i]perylene		260	590	860	1100	100	ND
2,4-Dimethylphenol		ND	ND	ND	ND	ND	ND
2-Methylphenol (TCLP)		NA	NA	NA	NA	NA	0.079 J
3&4-Methylphenol (TCLP)		NA	NA	NA	NA	NA	0.28
Chrysene		340	450	670	790	410	ND
PCBs, mg/kg							
Aroclor-1016		ND	ND	ND	ND	ND	NA
Aroclor-1248		ND	ND	4.8	ND	ND	NA
Aroclor-1254		ND	5.7	ND	5	ND	NA
Aroclor-1260		ND	ND	3.1	ND	ND	NA
Total		0	5.7	7.9	5	0	0
Metals, mg/kg							
Arsenic	5	<9.9	<10	<9.8	<9.9	<13	<2.5
Barium	100	57	300	140	100	69	<1.0
Beryllium		NA	NA	NA	NA	NA	NA
Cadmium	1	22	15	21	11	14	<0.10
Chromium	5	52	5800	87	66	120	<0.25
Lead	5	120	1000	730	1200	120	<1.0
Mercury	0.2	14.399	4.6	25	9.1	17	0.0028
Selenium	1	<0.50	0.57	0.79	<0.50	<0.50	<1.0
Silver	5	<5	<5.1	32	<4.9	<6.4	<0.25
Total Petroleum Hydrocarbons as diesel		34000	52000	62000	82000	28000	NA
Total Petroleum Hydrocarbons as gasoline		<1.0	<1.0	<1.0	1.2	<1.0	NA
Pesticides, mg/kg							
4,4'-DDE		NA	NA	NA	NA	NA	NA
Herbicides, mg/kg							
2,4-D		NA	NA	NA	NA	NA	NA
Silvex		NA	NA	NA	NA	NA	NA
pH		NA	NA	NA	NA	NA	NA

Table 23
Lockheed Martin
Great Neck Facility Assessment
Summary of Environmental Analytical Results

Sample Identification **Sample Type** **Units**	**EPA Regulatory Level** **mg/l**	GN-WB-07 Wood Block mg/kg	GN-WB-08 Wood Block mg/kg	GN-WB-09 Wood Block mg/kg	GN-WB-10 Wood Block mg/kg	GN-WB-11 Wood Block mg/kg	GN-WB-12 Wood Block mg/kg
Volatiles, mg/kg							
Methylene Chloride		NA	0.42 B	0.5 JB	0.37 JB	0.33 JB	0.34 JB
Toluene		NA	ND	ND	1.9	1.1	ND
1,1,1-Trichloroethane		NA	ND	ND	ND	ND	ND
Ethylbenzene		NA	ND	ND	ND	0.37 J	ND
Tetrachloroethene		NA	ND	ND	ND	ND	ND
Xylene (ortho)		NA	ND	ND	0.68	0.66	ND
Xylene (para & meta)		NA	ND	ND	0.91	1.3	0.32 J
Semivolatiles, mg/kg							
Phenanthrene		NA	7400	5100	1100	4900	4300
Anthracene		NA	1800	1300	250 J	1500	1100
Phenol		NA	ND	ND	ND	ND	ND
Di-n-butylphthalate		NA	ND	ND	ND	ND	ND
Butylbenzylphthalate		NA	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate		NA	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol		NA	ND	ND	ND	ND	ND
Naphthalene		NA	390 J	830	65 J	1000	340 J
Fluoranthene		NA	7700	5200	1100	5100	4400
Pyrene		NA	5800	4100	800	4300	3900
Fluorene		NA	960	790	130 J	860	570
Acenaphthylene		NA	ND	ND	ND	ND	ND
Acenaphthene		NA	1200	1100	140 J	1000	590
Benzo[a]anthracene		NA	3400	2000	350 J	2300	1700
Benzo[b]fluoranthene		NA	2500	1800	250 J	1700	1100
Benzo[k]fluoranthene		NA	2300	1300	280 J	1500	1400
Benzo[a]pyrene		NA	2200	1500	260 J	1400	1200
Indeno[1,2,3-cd]pyrene		NA	1900	1500	160 J	1300	750
Dibenz[a,h]anthracene		NA	1500	1100	ND	1100	610
benzo[g,h,i]perylene		NA	2700	2000	170 J	2000	1200
2,4-Dimethylphenol		NA	ND	ND	ND	ND	ND
2-Methylphenol (TCLP)		NA	NA	NA	NA	NA	NA
3&4-Methylphenol (TCLP)		NA	NA	NA	NA	NA	NA
Chrysene		NA	3300	2100	440	2000	1600
PCBs, mg/kg							
Aroclor-1016		ND	ND	ND	ND	ND	ND
Aroclor-1248		ND	ND	ND	ND	ND	ND
Aroclor-1254		ND	ND	ND	10	ND	ND
Aroclor-1260		ND	18	ND	ND	ND	ND
Total		0	18	0	10	0	0
Metals, mg/kg							
Arsenic	5	<10	<9.4	<9.4	<9.9	<9.4	<9.8
Barium	100	83	36	280	<20	60	<20
Beryllium		NA	NA	NA	NA	NA	NA
Cadmium	1	4.4	2.8	15	<2.0	<1.9	<2.0
Chromium	5	20	5.3	24	<5.0	8.4	<4.9
Lead	5	270	370	180	<20	99	200
Mercury	0.2	0.41	0.43	32	0.39	<0.10	0.93
Selenium	1	<0.50	<0.46	<0.46	<0.47	<0.45	<0.50
Silver	5	<5.0	<4.7	<4.7	<5.0	<4.7	<4.9
Total Petroleum Hydrocarbons as diesel		61000	160000	270000	89000	270000	120000
Total Petroleum Hydrocarbons as gasoline		<1.0	<1.0	18	13	44	34
Pesticides, mg/kg							
4,4'-DDE		NA	NA	NA	NA	NA	NA
Herbicides, mg/kg							
2,4-D		NA	NA	NA	NA	NA	NA
Silvex		NA	NA	NA	NA	NA	NA
pH		NA	NA	NA	NA	NA	NA

Table 23
Lockheed Martin
Great Neck Facility Assessment
Summary of Environmental Analytical Results

Sample Identification Sample Type Units	EPA Regulatory Level mg/l	GN-WB-13 Wood Block mg/kg	GN-WB-14 Wood Block mg/kg	GN-WB-15 Wood Block mg/kg	GN-WB-16 Wood Block mg/kg	GN-WB-17 Wood Block mg/kg	GN-W-01 Wipe ug/ft^2
Volatiles, mg/kg							
Methylene Chloride		0.36 JB	0.62 JB	0.35 JB	0.38 JB	0.57 JB	NA
Toluene		ND	1.4	0.54 J	ND	ND	NA
1,1,1-Trichloroethane		ND	ND	0.32 J	ND	ND	NA
Ethylbenzene		ND	ND	ND	ND	ND	NA
Tetrachloroethene		ND	4	ND	ND	ND	NA
Xylene (ortho)		ND	ND	ND	ND	ND	NA
Xylene (para & meta)		ND	0.46 J	0.44 J	ND	ND	NA
Semivolatiles, mg/kg							
Phenanthrene		2800	4500	2800	3800	1200	NA
Anthracene		740	1200	680	900	240 J	NA
Phenol		ND	ND	ND	ND	ND	NA
Di-n-butylphthalate		ND	ND	ND	ND	ND	NA
Butylbenzylphthalate		ND	ND	ND	ND	ND	NA
bis(2-Ethylhexyl)phthalate		ND	ND	ND	ND	ND	NA
4-Chloro-3-methylphenol		ND	ND	ND	ND	ND	NA
Naphthalene		250 J	520	250 J	74 J	ND	NA
Fluoranthene		2800	4600	3000	5800	1300	NA
Pyrene		2000	3800	2200	4300	740	NA
Fluorene		390 J	720	320 J	310 J	130 J	NA
Acenaphthylene		ND	ND	ND	ND	ND	NA
Acenaphthene		410	850	370 J	380 J	120 J	NA
Benzo[a]anthracene		1000	1900	1100	2500	260 J	NA
Benzo[b]fluoranthene		840	1400	960	2100	140 J	NA
Benzo[k]fluoranthene		1000	1700	1300	1700	260 J	NA
Benzo[a]pyrene		560	1200	650	1300	130 J	NA
Indeno[1,2,3-cd]pyrene		680	1100	660	1500	ND	NA
Dibenz[a,h]anthracene		390 J	830	490	1200	ND	NA
benzo[g,h,i]perylene		740	1500	1000	2300	ND	NA
2,4-Dimethylphenol		ND	ND	ND	ND	ND	NA
2-Methylphenol (TCLP)		NA	NA	NA	NA	NA	NA
3&4-Methylphenol (TCLP)		NA	NA	NA	NA	NA	NA
Chrysene		980	2300	1300	2500	300 J	NA
PCBs, mg/kg							
Aroclor-1016		ND	ND	ND	ND	ND	NA
Aroclor-1248		ND	ND	ND	ND	ND	NA
Aroclor-1254		ND	ND	ND	ND	ND	NA
Aroclor-1260		ND	ND	ND	ND	ND	NA
Total		0	0	0	0	0	0
Metals, mg/kg							
Arsenic	5	<9.9	<9.0	<9.6	<9.1	<10	NA
Barium	100	82	<20	53	150	22	NA
Beryllium		NA	NA	NA	NA	NA	<1.0
Cadmium	1	2.3	<1.8	5.7	4.5	<2.0	NA
Chromium	5	23	<4.5	97	27	10	NA
Lead	5	1100	22	230	180	<20	NA
Mercury	0.2	0.77	0.4	0.46	3	0.36	NA
Selenium	1	<0.49	<0.45	<0.52	<0.48	<0.50	NA
Silver	5	<4.9	<4.5	<4.8	<4.5	<5.0	NA
Total Petroleum Hydrocarbons as diesel		170000	240000	64000	120000	87000	NA
Total Petroleum Hydrocarbons as gasoline		24	44	27	1.9	1.3	NA
Pesticides, mg/kg							
4,4'-DDE		NA	NA	NA	NA	NA	NA
Herbicides, mg/kg							
2,4-D		NA	NA	NA	NA	NA	NA
Silvex		NA	NA	NA	NA	NA	NA
pH		NA	NA	NA	NA	NA	NA

Table 23
Lockheed Martin
Great Neck Facility Assessment
Summary of Environmental Analytical Results

Sample Identification **Sample Type** **Units**	**EPA Regulatory Level** **mg/l**	GN-W-02 Wipe ug/ft^2	GN-W-03 Wipe ug/ft^2	GN-W-04 Wipe ug/ft^2	GN-W-05 Wipe ug/ft^2	GN-W-06 Wipe ug/ft^2	GN-W-07 Wipe ug/ft^2
Volatiles, mg/kg							
Methylene Chloride		NA	NA	NA	NA	NA	NA
Toluene		NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane		NA	NA	NA	NA	NA	NA
Ethylbenzene		NA	NA	NA	NA	NA	NA
Tetrachloroethene		NA	NA	NA	NA	NA	NA
Xylene (ortho)		NA	NA	NA	NA	NA	NA
Xylene (para & meta)		NA	NA	NA	NA	NA	NA
Semivolatiles, mg/kg							
Phenanthrene		NA	NA	NA	NA	NA	NA
Anthracene		NA	NA	NA	NA	NA	NA
Phenol		NA	NA	NA	NA	NA	NA
Di-n-butylphthalate		NA	NA	NA	NA	NA	NA
Butylbenzylphthalate		NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol		NA	NA	NA	NA	NA	NA
Naphthalene		NA	NA	NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA	NA	NA
Pyrene		NA	NA	NA	NA	NA	NA
Fluorene		NA	NA	NA	NA	NA	NA
Acenaphthylene		NA	NA	NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA	NA	NA
Benzo[a]anthracene		NA	NA	NA	NA	NA	NA
Benzo[b]fluoranthene		NA	NA	NA	NA	NA	NA
Benzo[k]fluoranthene		NA	NA	NA	NA	NA	NA
Benzo[a]pyrene		NA	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene		NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene		NA	NA	NA	NA	NA	NA
benzo[g,h,i]perylene		NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol		NA	NA	NA	NA	NA	NA
2-Methylphenol (TCLP)		NA	NA	NA	NA	NA	NA
3&4-Methylphenol (TCLP)		NA	NA	NA	NA	NA	NA
Chrysene		NA	NA	NA	NA	NA	NA
PCBs, mg/kg							
Aroclor-1016		NA	ND	ND	ND	ND	ND
Aroclor-1248		NA	ND	ND	ND	ND	ND
Aroclor-1254		NA	ND	ND	ND	ND	ND
Aroclor-1260		NA	ND	ND	ND	1.6	0.024
Total		0	0	0	0	1.6	0.024
Metals, mg/kg							
Arsenic	5	<10	<10	<10	<10	NA	NA
Barium	100	110	51	62	45	NA	NA
Beryllium		NA	NA	NA	NA	NA	NA
Cadmium	1	11	<2.0	2.1	<2.0	NA	NA
Chromium	5	110	13	21	11	NA	NA
Lead	5	7.200	48	51	31	NA	NA
Mercury	0.2	0.18	0.037	0.049	0.052	NA	NA
Selenium	1	<20	<20	<20	<20	NA	NA
Silver	5	5.3	<5.0	<5.0	<5.0	NA	NA
Total Petroleum Hydrocarbons as diesel		NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons as gasoline		NA	NA	NA	NA	NA	NA
Pesticides, mg/kg							
4,4'-DDE		NA	NA	NA	NA	NA	NA
Herbicides, mg/kg							
2,4-D		NA	NA	NA	NA	NA	NA
Silvex		NA	NA	NA	NA	NA	NA
pH		NA	NA	NA	NA	NA	NA

Table 23
Lockheed Martin
Great Neck Facility Assessment
Summary of Environmental Analytical Results

Sample Identification **Sample Type** **Units**	**EPA Regulatory Level mg/l**	GN-W-08 Wipe ug/ft^2	GN-W-09 Wipe ug/ft^2	GN-W-10 Wipe ug/ft^2	GN-W-11 Wipe ug/ft^2	GN-W-12 Wipe ug/ft^2	GN-W-13 Wipe ug/ft^2
Volatiles, mg/kg							
Methylene Chloride		NA	NA	NA	NA	NA	NA
Toluene		NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane		NA	NA	NA	NA	NA	NA
Ethylbenzene		NA	NA	NA	NA	NA	NA
Tetrachloroethene		NA	NA	NA	NA	NA	NA
Xylene (ortho)		NA	NA	NA	NA	NA	NA
Xylene (para & meta)		NA	NA	NA	NA	NA	NA
Semivolatiles, mg/kg							
Phenanthrene		NA	NA	NA	NA	NA	NA
Anthracene		NA	NA	NA	NA	NA	NA
Phenol		NA	NA	NA	NA	NA	NA
Di-n-butylphthalate		NA	NA	NA	NA	NA	NA
Butylbenzylphthalate		NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol		NA	NA	NA	NA	NA	NA
Naphthalene		NA	NA	NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA	NA	NA
Pyrene		NA	NA	NA	NA	NA	NA
Fluorene		NA	NA	NA	NA	NA	NA
Acenaphthylene		NA	NA	NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA	NA	NA
Benzo[a]anthracene		NA	NA	NA	NA	NA	NA
Benzo[b]fluoranthene		NA	NA	NA	NA	NA	NA
Benzo[k]fluoranthene		NA	NA	NA	NA	NA	NA
Benzo[a]pyrene		NA	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene		NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene		NA	NA	NA	NA	NA	NA
benzo[g,h,i]perylene		NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol		NA	NA	NA	NA	NA	NA
2-Methylphenol (TCLP)		NA	NA	NA	NA	NA	NA
3&4-Methylphenol (TCLP)		NA	NA	NA	NA	NA	NA
Chrysene		NA	NA	NA	NA	NA	NA
PCBs, mg/kg							
Aroclor-1016		ND	ND	ND	ND	ND	ND
Aroclor-1248		ND	ND	ND	0.0049	0.027	ND
Aroclor-1254		ND	ND	ND	ND	ND	0.0023
Aroclor-1260		ND	0.034	0.0081	0.0036	ND	ND
Total		0	0.034	0.0081	0.0085	0.027	0.0023
Metals, mg/kg							
Arsenic	5	NA	NA	NA	NA	NA	NA
Barium	100	NA	NA	NA	NA	NA	NA
Beryllium		NA	NA	NA	NA	NA	NA
Cadmium	1	NA	NA	NA	NA	NA	NA
Chromium	5	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA
Mercury	0.2	NA	NA	NA	NA	NA	NA
Selenium	1	NA	NA	NA	NA	NA	NA
Silver	5	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons as diesel		NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons as gasoline		NA	NA	NA	NA	NA	NA
Pesticides, mg/kg							
4,4'-DDE		NA	NA	NA	NA	NA	NA
Herbicides, mg/kg							
2,4-D		NA	NA	NA	NA	NA	NA
Silvex		NA	NA	NA	NA	NA	NA
pH		NA	NA	NA	NA	NA	NA

Table 23
Lockheed Martin
Great Neck Facility Assessment
Summary of Environmental Analytical Results

Sample Identification **Sample Type** **Units**	**EPA Regulatory Level** **mg/l**	GN-W-14 Wipe ug/ft^2	GN-W-15 Wipe ug/ft^2	GN-W-16 Wipe ug/ft^2	GN-W-17 Wipe ug/ft^2	GN-CC-01 Concrete Chip mg/kg	GN-CC-02 Concrete Chip mg/kg
Volatiles, mg/kg							
Methylene Chloride		NA	NA	NA	NA	NA	NA
Toluene		NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane		NA	NA	NA	NA	NA	NA
Ethylbenzene		NA	NA	NA	NA	NA	NA
Tetrachloroethene		NA	NA	NA	NA	NA	NA
Xylene (ortho)		NA	NA	NA	NA	NA	NA
Xylene (para & meta)		NA	NA	NA	NA	NA	NA
Semivolatiles, mg/kg							
Phenanthrene		NA	NA	NA	NA	NA	NA
Anthracene		NA	NA	NA	NA	NA	NA
Phenol		NA	NA	NA	NA	NA	NA
Di-n-butylphthalate		NA	NA	NA	NA	NA	NA
Butylbenzylphthalate		NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol		NA	NA	NA	NA	NA	NA
Naphthalene		NA	NA	NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA	NA	NA
Pyrene		NA	NA	NA	NA	NA	NA
Fluorene		NA	NA	NA	NA	NA	NA
Acenaphthylene		NA	NA	NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA	NA	NA
Benzo[a]anthracene		NA	NA	NA	NA	NA	NA
Benzo[b]fluoranthene		NA	NA	NA	NA	NA	NA
Benzo[k]fluoranthene		NA	NA	NA	NA	NA	NA
Benzo[a]pyrene		NA	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene		NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene		NA	NA	NA	NA	NA	NA
benzo[g,h,i]perylene		NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol		NA	NA	NA	NA	NA	NA
2-Methylphenol (TCLP)		NA	NA	NA	NA	NA	NA
3&4-Methylphenol (TCLP)		NA	NA	NA	NA	NA	NA
Chrysene		NA	NA	NA	NA	NA	NA
PCBs, mg/kg							
Aroclor-1016		NA	NA	ND	ND	ND	ND
Aroclor-1248		NA	NA	ND	ND	ND	ND
Aroclor-1254		NA	NA	0.062	ND	ND	ND
Aroclor-1260		NA	NA	ND	0.0091	ND	ND
Total		0	0	0.062	0.0091	0	0
Metals, mg/kg							
Arsenic	5	<5.0	<5.0	NA	NA	NA	NA
Barium	100	150	110	NA	NA	NA	NA
Beryllium		NA	NA	NA	NA	NA	NA
Cadmium	1	4.8	13	NA	NA	NA	NA
Chromium	5	36	65	NA	NA	NA	NA
Lead	5	0.220	0.230	NA	NA	NA	NA
Mercury	0.2	0.35	5.8	NA	NA	NA	NA
Selenium	1	<10	<10	NA	NA	NA	NA
Silver	5	<2.5	7.5	NA	NA	NA	NA
Total Petroleum Hydrocarbons as diesel		NA	NA	NA	NA	80	310
Total Petroleum Hydrocarbons as gasoline		NA	NA	NA	NA	<1.0	<1.0
Pesticides, mg/kg							
4,4'-DDE		NA	NA	NA	NA	NA	NA
Herbicides, mg/kg							
2,4-D		NA	NA	NA	NA	NA	NA
Silvex		NA	NA	NA	NA	NA	NA
pH		NA	NA	NA	NA	NA	NA

Table 23
Lockheed Martin
Great Neck Facility Assessment
Summary of Environmental Analytical Results

Sample Identification	EPA Regulatory	GN-CC-03	GN-CC-04	GN-CC-05	GN-O-01	GN-RS-01
Sample Type	Level	Concrete Chip	Concrete Chip	Concrete Chip	Oil	Sediment
Units	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles, mg/kg						
Methylene Chloride		NA	NA	NA	NA	NA
Toluene		NA	NA	NA	NA	NA
1,1,1-Trichloroethane		NA	NA	NA	NA	NA
Ethylbenzene		NA	NA	NA	NA	NA
Tetrachloroethene		NA	NA	NA	NA	NA
Xylene (ortho)		NA	NA	NA	NA	NA
Xylene (para & meta)		NA	NA	NA	NA	NA
Semivolatiles, mg/kg						
Phenanthrene		NA	NA	NA	NA	NA
Anthracene		NA	NA	NA	NA	NA
Phenol		NA	NA	NA	NA	NA
Di-n-butylphthalate		NA	NA	NA	NA	NA
Butylbenzylphthalate		NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NA	NA	NA	NA	NA
4-Chloro-3-methylphenol		NA	NA	NA	NA	NA
Naphthalene		NA	NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA	NA
Pyrene		NA	NA	NA	NA	NA
Fluorene		NA	NA	NA	NA	NA
Acenaphthylene		NA	NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA	NA
Benzo[a]anthracene		NA	NA	NA	NA	NA
Benzo[b]fluoranthene		NA	NA	NA	NA	NA
Benzo[k]fluoranthene		NA	NA	NA	NA	NA
Benzo[a]pyrene		NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene		NA	NA	NA	NA	NA
Dibenz[a,h]anthracene		NA	NA	NA	NA	NA
benzo[g,h,i]perylene		NA	NA	NA	NA	NA
2,4-Dimethylphenol		NA	NA	NA	NA	NA
2-Methylphenol (TCLP)		NA	NA	NA	NA	NA
3&4-Methylphenol (TCLP)		NA	NA	NA	NA	NA
Chrysene		NA	NA	NA	NA	NA
PCBs, mg/kg						
Aroclor-1016		ND	ND	ND	ND	ND
Aroclor-1248		ND	ND	ND	ND	31
Aroclor-1254		0.88	0.21	ND	ND	41
Aroclor-1260		ND	ND	0.072	ND	ND
Total		0.88	0.21	0.072	0	72
Metals, mg/kg						
Arsenic	5	12	<9.9	<9.5	NA	<10
Barium	100	260	83	140	NA	73
Beryllium		NA	NA	NA	NA	NA
Cadmium	1	34	<2.0	2.4	NA	29
Chromium	5	67	27	19	NA	880
Lead	5	340	28	140	NA	540
Mercury	0.2	1.9	1.6	<0.10	NA	14
Selenium	1	<0.49	<0.48	<0.48	NA	<0.52
Silver	5	14	<5.0	<4.8	NA	<5.2
Total Petroleum Hydrocarbons as diesel		160	120	79	<10	NA
Total Petroleum Hydrocarbons as gasoline		<1.0	<1.0	<1.0	<1.0	NA
Pesticides, mg/kg						
4,4'-DDE		NA	NA	NA	NA	NA
Herbicides, mg/kg						
2,4-D		NA	NA	NA	NA	NA
Silvex		NA	NA	NA	NA	NA
pH		NA	NA	NA	NA	NA

Table 23
Lockheed Martin
Great Neck Facility Assessment
Summary of Environmental Analytical Results

Sample Identification Sample Type Units	EPA Regulatory Level mg/l	GN-RS-02 Sediment mg/kg	GN-RS-03 Residue mg/kg	GN-RS-04 Sludge mg/kg	GN-RS-05 Residue mg/kg	GN-RS-06 Sediment mg/kg
Volatiles, mg/kg						
Methylene Chloride		0.009 B	NA	0.095 B	NA	NA
Toluene		ND	NA	0.14	NA	NA
1,1,1-Trichloroethane		ND	NA	ND	NA	NA
Ethylbenzene		ND	NA	ND	NA	NA
Tetrachloroethene		ND	NA	0.079	NA	NA
Xylene (ortho)		ND	NA	ND	NA	NA
Xylene (para & meta)		ND	NA	0.074	NA	NA
Semivolatiles, mg/kg						
Phenanthrene		0.063 J	NA	ND	NA	NA
Anthracene		ND	NA	ND	NA	NA
Phenol		ND	NA	ND	NA	NA
Di-n-butylphthalate		0.66	NA	ND	NA	NA
Butylbenzylphthalate		0.18 J	NA	ND	NA	NA
bis(2-Ethylhexyl)phthalate		ND	NA	ND	NA	NA
4-Chloro-3-methylphenol		ND	NA	ND	NA	NA
Naphthalene		ND	NA	0.13 J	NA	NA
Fluoranthene		0.053 J	NA	ND	NA	NA
Pyrene		ND	NA	ND	NA	NA
Fluorene		ND	NA	ND	NA	NA
Acenaphthylene		ND	NA	ND	NA	NA
Acenaphthene		ND	NA	ND	NA	NA
Benzo[a]anthracene		ND	NA	0.67 J	NA	NA
Benzo[b]fluoranthene		ND	NA	0.33 J	NA	NA
Benzo[k]fluoranthene		ND	NA	0.35 J	NA	NA
Benzo[a]pyrene		ND	NA	0.27 J	NA	NA
Indeno[1,2,3-cd]pyrene		ND	NA	0.38 J	NA	NA
Dibenz[a,h]anthracene		ND	NA	0.14 J	NA	NA
benzo[g,h,i]perylene		ND	NA	0.44 J	NA	NA
2,4-Dimethylphenol		ND	NA	ND	NA	NA
2-Methylphenol (TCLP)		NA	NA	NA	NA	NA
3&4-Methylphenol (TCLP)		NA	NA	NA	NA	NA
Chrysene		0.038 J	NA	1.4	NA	NA
PCBs, mg/kg						
Aroclor-1016		ND	ND	ND	NA	ND
Aroclor-1248		ND	ND	4600	NA	ND
Aroclor-1254		0.12	ND	ND	NA	ND
Aroclor-1260		ND	ND	ND	NA	ND
Total		0.12	0	4600	0	0
Metals, mg/kg						
Arsenic	5	NA	53	<25	NA	<1.6
Barium	100	NA	450	170	NA	190
Beryllium		NA	NA	NA	NA	NA
Cadmium	1	NA	5.8	42	NA	15
Chromium	5	NA	2400	290	NA	58
Lead	5	NA	170	870	NA	130
Mercury	0.2	NA	0.46	23	NA	4.4
Selenium	1	NA	<0.50	<1.2	NA	<1.6
Silver	5	NA	<5.0	18	NA	<16
Total Petroleum Hydrocarbons as diesel		NA	8300	16000	NA	25
Total Petroleum Hydrocarbons as gasoline		NA	<1.0	230	NA	<3.0
Pesticides, mg/kg						
4,4'-DDE		NA	NA	NA	NA	NA
Herbicides, mg/kg						
2,4-D		NA	NA	NA	NA	NA
Silvex		NA	NA	NA	NA	NA
pH		NA	NA	NA	3.47	NA

Table 23
Lockheed Martin
Great Neck Facility Assessment
Summary of Environmental Analytical Results

Sample Identification	EPA Regulatory	GN-RS-07	GN-RS-08	GN-RS-09	GN-RS-10	GN-RS-11
Sample Type	Level	Sludge	Residue	Sludge	Sediment	Sediment
Units	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatiles, mg/kg						
Methylene Chloride		1.7 B	NA	NA	NA	NA
Toluene		ND	NA	NA	NA	NA
1,1,1-Trichloroethane		ND	NA	NA	NA	NA
Ethylbenzene		ND	NA	NA	NA	NA
Tetrachloroethene		ND	NA	NA	NA	NA
Xylene (ortho)		0.29 J	NA	NA	NA	NA
Xylene (para & meta)		0.39 J	NA	NA	NA	NA
Semivolatiles, mg/kg						
Phenanthrene		9	NA	NA	NA	NA
Anthracene		6.6	NA	NA	NA	NA
Phenol		ND	NA	NA	NA	NA
Di-n-butylphthalate		43	NA	NA	NA	NA
Butylbenzylphthalate		17	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		ND	NA	NA	NA	NA
4-Chloro-3-methylphenol		ND	NA	NA	NA	NA
Naphthalene		1.2 J	NA	NA	NA	NA
Fluoranthene		6.9	NA	NA	NA	NA
Pyrene		6	NA	NA	NA	NA
Fluorene		ND	NA	NA	NA	NA
Acenaphthylene		ND	NA	NA	NA	NA
Acenaphthene		ND	NA	NA	NA	NA
Benzo[a]anthracene		ND	NA	NA	NA	NA
Benzo[b]fluoranthene		ND	NA	NA	NA	NA
Benzo[k]fluoranthene		ND	NA	NA	NA	NA
Benzo[a]pyrene		ND	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene		ND	NA	NA	NA	NA
Dibenz[a,h]anthracene		ND	NA	NA	NA	NA
benzo[g,h,i]perylene		ND	NA	NA	NA	NA
2,4-Dimethylphenol		ND	NA	NA	NA	NA
2-Methylphenol (TCLP)		NA	NA	NA	NA	NA
3&4-Methylphenol (TCLP)		NA	NA	NA	NA	NA
Chrysene		1.7 J	NA	NA	NA	NA
PCBs, mg/kg						
Aroclor-1016		NA	ND	ND	NA	NA
Aroclor-1248		NA	ND	ND	NA	NA
Aroclor-1254		NA	ND	ND	NA	NA
Aroclor-1260		NA	9.5	1	NA	NA
Total		0	9.5	1	0	0
Metals, mg/kg						
Arsenic	5	<0.52	2.4	30	13	NA
Barium	100	300	360	110	320	NA
Beryllium		NA	NA	NA	NA	NA
Cadmium	1	2.1	14	30	15	NA
Chromium	5	7.3	32	260	62	NA
Lead	5	56	61	630	400	NA
Mercury	0.2	1.5	0.33	5.3	1	NA
Selenium	1	<0.52	<0.52	<0.67	<1.3	NA
Silver	5	<5.3	<5.2	<6.8	<13	NA
Total Petroleum Hydrocarbons as diesel		NA	44000	54	NA	NA
Total Petroleum Hydrocarbons as gasoline		NA	1.6	<1.0	NA	NA
Pesticides, mg/kg						
4,4'-DDE		NA	NA	NA	NA	0.0088
Herbicides, mg/kg						
2,4-D		NA	NA	NA	NA	ND
Silvex		NA	NA	NA	NA	ND
pH		NA	NA	NA	NA	NA

Table 23
Lockheed Martin
Great Neck Facility Assessment
Summary of Environmental Analytical Results

Sample Identification Sample Type Units	EPA Regulatory Level mg/l	GN-RS-12 Soil mg/kg	GN-RS-13 Soil mg/kg	GN-RS-14 Sludge mg/kg
Volatiles, mg/kg				
Methylene Chloride		NA	NA	ND
Toluene		NA	NA	ND
1,1,1-Trichloroethane		NA	NA	ND
Ethylbenzene		NA	NA	ND
Tetrachloroethene		NA	NA	ND
Xylene (ortho)		NA	NA	ND
Xylene (para & meta)		NA	NA	ND
Semivolatiles, mg/kg				
Phenanthrene		NA	NA	18 J
Anthracene		NA	NA	ND
Phenol		NA	NA	ND
Di-n-butylphthalate		NA	NA	27
Butylbenzylphthalate		NA	NA	ND
bis(2-Ethylhexyl)phthalate		NA	NA	ND
4-Chloro-3-methylphenol		NA	NA	ND
Naphthalene		NA	NA	ND
Fluoranthene		NA	NA	ND
Pyrene		NA	NA	ND
Fluorene		NA	NA	ND
Acenaphthylene		NA	NA	ND
Acenaphthene		NA	NA	ND
Benzo[a]anthracene		NA	NA	ND
Benzo[b]fluoranthene		NA	NA	ND
Benzo[k]fluoranthene		NA	NA	ND
Benzo[a]pyrene		NA	NA	ND
Indeno[1,2,3-cd]pyrene		NA	NA	ND
Dibenz[a,h]anthracene		NA	NA	ND
benzo[g,h,i]perylene		NA	NA	ND
2,4-Dimethylphenol		NA	NA	ND
2-Methylphenol (TCLP)		NA	NA	NA
3&4-Methylphenol (TCLP)		NA	NA	NA
Chrysene		NA	NA	ND
PCBs, mg/kg				
Aroclor-1016		ND	NA	ND
Aroclor-1248		ND	NA	ND
Aroclor-1254		ND	NA	16
Aroclor-1260		0.19	NA	ND
Total		0.19	0	16
Metals, mg/kg				
Arsenic	5	NA	25	<9.5
Barium	100	NA	400	79
Beryllium		NA	NA	NA
Cadmium	1	NA	48	2.3
Chromium	5	NA	560	63
Lead	5	NA	3500	140
Mercury	0.2	NA	37	5.6
Selenium	1	NA	<0.50	<0.48
Silver	5	NA	43	<4.8
Total Petroleum Hydrocarbons as diesel		NA	NA	12000
Total Petroleum Hydrocarbons as gasoline		NA	NA	<1.0
Pesticides, mg/kg				
4,4'-DDE		NA	NA	NA
Herbicides, mg/kg				
2,4-D		NA	NA	NA
Silvex		NA	NA	NA
pH		NA	NA	NA

Table 24
Lockheed Martin Corporation
Summary of Containment Structures
Sumps, Pits and Clarifiers

Containment Structure	Building	Dimensions (feet)			Solids Content			Liquid Content		
		Length	Width	Depth	Thickness(ft)	Voume(cu.ft.)	Sample ID	Depth(ft)	Volume(gal)	Sample ID
Sump (2)	Main	3 feet	3 feet	3 feet	0.167 feet	1.5 ft^3	GN-RS-01	--	--	--
Sump	Main	2 feet	2 feet	2 feet	0.167 feet	0.7 ft^3	GN-RS-02	--	--	--
Channel	Main	20 feet	2 feet	4 inches	0.05 feet	2 ft^3	GN-RS-03	--	--	--
Sump	Foundry	3 feet	3 feet	12 feet	2 feet	18 ft^3	GN-RS-04	10 feet	673 gal	--
Channel	Power House	12 feet	8 inches	6 inches	0.167 feet	1.5 ft^3	GN-RS-06	--	--	--
Sump	Enviro. Test Lab	8 feet	3 feet	10 feet	1 foot	24 ft^3	GN-RS-09	2 feet	359 gal	--
Clarifier	Cooling Tower	8 feet	8 feet	8 inches	0.04feet	2.6 ft^3	GN-RS-10/11	--	--	--
Sump	Scorsby Pit	3 feet	3 feet	10 feet	--	--	--	0.167 feet	11 gal	GN-O-01

Table 25
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Filtron Filters

Area	Location	Filter	PCB	Quantity	Gallons/Filter (Based on 60% Capacity)
0-1 ANC	Old Sub	FSR-202E 50 AMPS 240 VAC-600 VDC 0-400 Cycles 22"Lx4"Wx4"D	Yes	6	1
	New Sub	FSR 806-3 19.5"Lx22"Wx7.5"D	No	6	8.4
		FSRY-1004B 400 AMPS 120/208 VAC 3PH. 400 HZ 36"Lx24.5"Wx11"D	No	6	25
	New Sub Alarm Panel	SP-98 2X0.5 AMPS 600 VDC 300 VAC 6"Lx4"Wx2"D	No	4	<1
Foundry Electrical Storage	X-Ray Room (Old)	Type 102 50 AMPS 250 VAC-600 VDC 0-400 AMPS 22"Lx4"Wx4"D	Yes	2	1
		FSR-102 50 AMPS 277 V 60 HZ 22"Lx4"Wx4"D	Yes	3	1
		FSR-202 50 AMPS 250 VAC-600 VDC 0-400 Cycles 22"Lx4"Wx4"D	Yes	2	1
J-1 Skiff Area	West Side	FSR-1202E 50 AMPS 277/480 VAC 60 Hz 34"Lx4.5"Wx4.5"D	No	4	1.8

Table 25
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Filtron Filters

Area	Location	Filter	PCB	Quantity	Gallons/Filter (Based on 60% Capacity)
0-18 Shielded Rooms	East Room	FSR-102-1 50 AMPS 250 VAC-600 VDC 0-400 Cycles 24"Lx5"Wx5"D	Yes	7	1.6
EV Lab	Small Screen Room (Old)	FSR-102 50 AMPS 250 VAC-600 VDC 0-400 Cycles 22"Lx4"Wx4"D	Yes	3	1
	Large Screen Room	FSR-X-50BN 50 AMPS 277 VAC-600 VDC 0-60 Cycles 48"Lx15"Wx11"D	Yes	4	20.6
		FSR-1205E-400 160 AMPS 277/480 V 400 HZ 43"Lx16"Wx7"D	No	3	12.5
		FSR-104 100 AMPS 115 VAC 400 HZ 22"Lx4"Wx4"D	No	1	1
		Type 102 50 AMPS 250 VAC-600 VDC 0-60 Cycles 22"Lx4"Wx4"D	Yes	2	1
	Small Screen Room (New)	FSR-1202E 50 AMPS 277/480 VAC 60 HZ 34"Lx4.5"Wx4.5"D	No	4	1.8
0-1 ANC	Chiller Room	FSR-202E 50 AMPS 250 VAC-600 VDC 0-400 Cycles 22"Lx4"Wx4"D	Yes	3	1

Table 25
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Filtron Filters

Area	Location	Filter	PCB	Quantity	Gallons/Filter (Based on 60% Capacity)
F-5	PCF Power Room	CDF 160 FA6-C 150 AMPS 250 VAC 60 HZ		3	2.7
		31"Lx5.5"Wx6"D			
		CDF-100 FA4 100 AMPS 250 VAC 0-400 HZ 34"Lx4.5"Wx4.5"D		3	1.8
		CDEFX0100B6 100 AMPS 277 VAC 60 HZ		3	1.5
		CDF-150 FA6 150 AMPS 250 VAC 0-60 HZ 34"Lx6"Wx5.5"D		3	2.9
		CDF 200 FA6-C 200 AMPS 250 VAC 60 HZ 31"Lx6"Wx8"D		3	3.9
		CDF 200 FA6 200 AMPS 250 VAC 0-60 HZ 34"Lx8"Wx5.5"D		3	3.9
		CDF 50 FA4 60 AMPS 250 VAC 0-400 HZ 26"Lx4"Wx4"D		1	1
		CDF 150 FA6-C		1	2.9
J-1 Skiff Area	West Side	CDF 100 FA6-C 100 AMPS 250 VAC 0-60 HZ 29"Lx4.5"Wx4.5"D		4	1.5

Table 25
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Filtron Filters

Area	Location	Filter	PCB	Quantity	Gallons/Filter (Based on 60% Capacity)
O-18 Shielded Rooms	West Rooms	Shielding Div. of Shieldtron SF50-C 50 AMPS 250 VAC-600 VDC 0-400 Cycles 6" Diam.x38"H		10	3
EV Lab	Large Screen Room	USC FC143A 100 AMPS 115 VAC 400 HZ 29"Lx4.5"Wx4.5"D		3	1.5
		AXEL-9B852 50 AMPS 125/250 VAC 0-400 HZ 34"Lx4"Wx4"D		3	1.4
		AXEL-9B648 50 AMPS 250 VAC 0-60 HZ 24"Lx4"Wx4"D		3	1
O-1 ANC	New Sub	Keene Corporation Ray Proof Division ULW-100-60 100 AMPS 277 VAC-600 VDC 60 HZ 34"Lx4.5"Wx4.5"D		9	1.3

Table 26
Lockheed Martin Corporation
Great Neck Facility Assessment
Summary of Regulatory Contacts

Issue	Regulatory Agency	Applicable Regulations	Phone Number	Comments
PCBs				
	USEPA	40 CFR 761	(212) 637-5000	Applicable for disposal of material >50ppm.
	NYSDEC	TAGM	(518) 485-8988	State Cleanup Guidance Values: subsurface soil <10ppm; surficial soil <1ppm.
Asbestos				
	USEPA NESHAP	40 CFR 61	(212) 264-9840	Notification required 10 days prior to abatement
	OSHA	29 CFR 1926.1101 29 CFR 1910.1001	(516) 334-3344	
	NYSDEC	6 NYCRR Part 56	(518) 457-2741	Notification required 10 days prior to abatement
Lead Paint				-
	OSHA	29 CFR 1926.62	(212) 337-2378	
Haz. Waste/Material				
	USEPA	40 CFR 261	(212) 637-5000	Federal and State disposal regulations may apply for hazardous waste.
	NYSDEC	6 NYCRR Parts 370, 371, & 372	(518) 485-8988	No Federal or State regulations governing the decontamination of buildings.

APPENDIX A

LABORATORY REPORTS

ENVIRONMENTAL SAMPLE DATA

Date of Report: 10/06/97
Project Number: 97100269
Lab ID: 97-0056887
Date Collected: 09/15/97 00:00
Collected By: Client
Date Received: 09/16/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,GN,86401-001.000

Client Designation: GN-RS-01

	Conc.	Unit
LIMITED		
Solids, Total	97	%
METALS		
Silver-RCRA	<5.2	mg/kg
Arsenic-RCRA	<10	mg/kg
Barium-RCRA	73	mg/kg
Cadmium-RCRA	29	mg/kg
Chromium-RCRA	880	mg/kg
Mercury-RCRA	14	mg/kg
Lead-RCRA	540	mg/kg
Selenium, RCRA	<0.52	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-RS-01

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) soil Lab Sample ID: 97-56887

Sample wt/vol: 30 (g/mL) g Lab File ID: D:SP15D147

% Moisture: 3 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/22/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/23/97

Injection Volume: 1 (uL) Dilution Factor: 100

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	4000	U
11104-28-2 -------	Aroclor-1221	4000	U
11141-16-5 -------	Aroclor-1232	4000	U
53469-21-9 -------	Aroclor-1242	4000	U
12672-29-6 -------	Aroclor-1248	31000	
11097-69-1 -------	Aroclor-1254	41000	
11096-82-5 -------	Aroclor-1260	4000	U

U= Not detected

EMSL

Date of Report: 10/06/97
Project Number: 97100269
Lab ID: 97-0056888
Date Collected: 09/15/97 00:00
Collected By: Client
Date Received: 09/16/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,GN,86401-001.000

Client Designation: GN-WB-01

	Conc.	Unit
METALS		
Silver-RCRA	<5.0	mg/kg
Arsenic-RCRA	<9.9	mg/kg
Barium-RCRA	57	mg/kg
Cadmium-RCRA	22	mg/kg
Chromium-RCRA	52	mg/kg
Mercury-RCRA	14.399	mg/kg
Lead-RCRA	120	mg/kg
Selenium, RCRA	<0.50	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	34000	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756888V
GW-WB-01

Lab Name: EMSL ANALYTICAL Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: 9756888V

Sample wt/vol: 0.5 (g/mL) G Lab File ID: C8976.D

Level: (low/med) MED Date Received: 9/16/97

% Moisture: not dec. NA Date Analyzed: 9/23/97

GC Column: RTX-624 X 75M ID: 0.53 (mm) Dilution Factor: 1000.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	10000	U
74-83-9	Bromomethane	10000	U
75-01-4	Vinyl chloride	10000	U
75-00-3	Chloroethane	10000	U
75-69-4	Trichlorofluoromethane	10000	U
75-09-2	Methylene chloride	7000	B
75-35-4	1,1-Dichloroethene	5000	U
75-34-3	1,1-Dichloroethane	5000	U
156-60-65	trans-1,2-Dichloroethene	5000	U
67-66-3	Chloroform	5000	U
107-06-2	1,2-Dichloroethane	5000	U
71-55-6	1,1,1-Trichloroethane	5000	U
56-23-5	Carbon tetrachloride	5000	U
75-27-4	Bromodichloromethane	5000	U
78-87-5	1,2-Dichloropropane	5000	U
10061-01-5	cis-1,3-Dichloropropene	5000	U
79-01-6	Trichloroethene	5000	U
124-48-1	Dibromochloromethane	5000	U
79-00-5	1,1,2-Trichloroethane	5000	U
71-43-2	Benzene	5000	U
10061-02-6	trans-1,3-Dichloropropene	5000	U
75-25-2	Bromoform	5000	U
127-18-4	Tetrachloroethene	5000	U
79-34-5	1,1,2,2-Tetrachloroethane	5000	U
108-88-3	Toluene	5000	U
108-90-7	Chlorobenzene	5000	U
100-41-4	Ethylbenzene	5000	U
108-38-3	Xylene (para & meta)	5000	U
95-47-6	Xylene (ortho)	5000	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9756888V
GN-WB-01

Lab Name: EMSL ANALYTICAL
Contract:

Project No.
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9756888V

Sample wt/vol: 0.5 (g/mL) G
Lab File ID: C8976.D

Level: (low/med) MED
Date Received: 9/16/97

% Moisture: not dec. NA
Date Analyzed: 9/23/97

GC Column: RTX-624 X 75M ID: 0.53 (mm)
Dilution Factor: 1000.0

Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 2

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 80-56-8	.alpha.-Pinene	19.95	29000	J
2. 18172-67-3	Bicyclo[3.1.1]heptane, 6,6-d	21.18	3600	J
3.				
4.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756888B

GN-WB-01

Lab Name: EMSL ANALYTICAL　Contract: ______

Project No.: ______　Site: ______　Location: ______　Group: ______

Matrix: (soil/water) SOIL　Lab Sample ID: 9756888B

Sample wt/vol: 0.5 (g/mL G　Lab File ID: B6490.D

Level: (low/med) MED　Date Received: ______

% Moisture: 0　decanted: (Y/N): N　Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)　Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL)　Dilution Factor: 1.0

GPC Cleanup: (Y/N) N　pH: ______　Column=DB-5 30m

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	20000	U
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl)ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
108-60-1	bis(2-chloroisopropyl)ether	20000	U
621-64-7	N-Nitroso-Di-n-propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
111-91-1	bis(2-Chloroethoxy)methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	28000	
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-methylphenol	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
91-58-7	2-Chloronaphthalene	20000	U
131-11-3	Dimethylphthalate	20000	U
208-96-8	Acenaphthylene	46000	
606-20-2	2,6-Dinitrotoluene	20000	U
83-32-9	Acenaphthene	75000	
51-28-5	2,4-Dinitrophenol	50000	U
100-02-7	4-Nitrophenol	50000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
86-73-7	Fluorene	75000	
7005-72-3	4-Chlorophenyl-phenylether	20000	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756888B

GU-WB-01

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9756888B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6490.D

Level: (low/med) MED

Date Received:

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	50000	U
86-30-6	n-Nitrosodiphenylamine	20000	U
122-66-7	1,2-Diphenylhydrazine(as azo)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	50000	U
85-01-08	Phenanthrene	500000	
120-12-7	Anthracene	240000	
84-74-2	Di-n-butylphthalate	20000	U
206-44-0	Fluoranthene	820000	
92-87-5	Benzidine	100000	U
129-00-0	Pyrene	500000	
85-68-7	Butylbenzylphthalate	20000	U
56-55-3	Benzo[a]anthracene	440000	
91-94-1	3,3'-Dichlorobenzidine	40000	U
218-01-9	Chrysene	340000	
117-81-7	bis(2-Ethylhexyl)phthalate	20000	U
117-84-0	Di-n-octylphthalate	20000	U
205-99-2	Benzo[b]fluoranthene	210000	
207-08-9	Benzo[k]fluoranthene	210000	
50-32-8	Benzo[a]pyrene	210000	
193-39-5	Indeno[1,2,3-cd]pyrene	210000	
53-70-3	Dibenz[a,h]anthracene	99000	
191-24-2	Benzo[g,h,i]perylene	260000	

1F

SAMPLE NO.

9756888B
GW-WB-01

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9756888B

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: B6490.D

Level: (low/med) MED

Date Received:

% Moisture: 0

decanted: (Y/N) N

Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Concentration Units: (ug/L or ug/Kg) ug/Kg

Number TICs found: 16

CAS Number	Compound Name	RT	Est. Conc	Q
1. 2531-84-2	Phenanthrene, 2-methyl-	23.53	19000	J
2. 35465-71-5	2-Phenylnaphthalene	24.50	25000	J
3.	Unknown Hydrocarbon	26.09	20000	J
4. 243-42-5	Benzo[b]naphtho[2,3-d]furan	26.45	79000	J
5.	Unknown Hydrocarbon	26.60	18000	J
6.	Unknown Hydrocarbon	26.78	36000	J
7. 243-17-4	11H-Benzo[b]fluorene	27.40	25000	J
8. 238-84-6	11H-Benzo[a]fluorene	27.44	32000	J
9. 3442-78-2	Pyrene, 2-methyl-	27.71	51000	J
10. 3353-12-6	Pyrene, 4-methyl-	27.97	20000	J
11. 84-15-1	o-Terphenyl	28.73	21000	J
12. 82-05-3	7H-Benz[de]anthracen-7-one	29.04	39000	J
13. 239-35-0	Benzo[b]naphtho[2,1-d]thioph	29.27	37000	J
14.	Unknown Hydrocarbon	29.39	22000	J
15. 82-05-3	7H-Benz[de]anthracen-7-one	29.68	17000	J
16. 192-97-2	Benzo[e]pyrene	33.76	65000	J
17.				
18.				
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1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.
GN-WB-021

Lab Name: EMSL ANALYTICAL
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Matrix: (soil/water) misc.
Lab Sample ID: 97-56888
Sample wt/vol: 0.5 (g/mL) g
Lab File ID: D:SP15D148
% Moisture: N/A
decanted: (Y/N) N
Date Received:
Extraction: (SepF/Cont/Sonc) Sonc
Date Extracted: 09/22/97
Concentrated Extract Volume: 10 (ml)
Date Analyzed: 09/23/97
Injection Volume: 1 (uL)
Dilution Factor: 1
GPC Cleanup: (Y/N) N
pH:
Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

EMSL

Date of Report: 10/06/97
Project Number: 97100269
Lab ID: 97-0056889
Date Collected: 09/15/97 00:00
Collected By: Client
Date Received: 09/16/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,GN,86401-001.000

Client Designation: GN-WB-02

	Conc.	Unit
METALS		
Silver-RCRA	<5.1	mg/kg
Arsenic-RCRA	<10	mg/kg
Barium-RCRA	300	mg/kg
Cadmium-RCRA	15	mg/kg
Chromium-RCRA	5800	mg/kg
Mercury-RCRA	4.6	mg/kg
Lead-RCRA	1000	mg/kg
Selenium, RCRA	0.57	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	52000	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9756889V
GW-WB-02

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9756889V
Sample wt/vol: 0.5 (g/mL) G
Lab File ID: C8977.D
Level: (low/med) MED
Date Received: 9/16/97
% Moisture: not dec. NA
Date Analyzed: 9/23/97
GC Column: RTX-624 X 75M
ID: 0.53 (mm)
Dilution Factor: 1000.0
Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	10000	U
74-83-9	Bromomethane	10000	U
75-01-4	Vinyl chloride	10000	U
75-00-3	Chloroethane	10000	U
75-69-4	Trichlorofluoromethane	10000	U
75-09-2	Methylene chloride	18000	B
75-35-4	1,1-Dichloroethene	5000	U
75-34-3	1,1-Dichloroethane	5000	U
156-60-65	trans-1,2-Dichloroethene	5000	U
67-66-3	Chloroform	5000	U
107-06-2	1,2-Dichloroethane	5000	U
71-55-6	1,1,1-Trichloroethane	5000	U
56-23-5	Carbon tetrachloride	5000	U
75-27-4	Bromodichloromethane	5000	U
78-87-5	1,2-Dichloropropane	5000	U
10061-01-5	cis-1,3-Dichloropropene	5000	U
79-01-6	Trichloroethene	5000	U
124-48-1	Dibromochloromethane	5000	U
79-00-5	1,1,2-Trichloroethane	5000	U
71-43-2	Benzene	5000	U
10061-02-6	trans-1,3-Dichloropropene	5000	U
75-25-2	Bromoform	5000	U
127-18-4	Tetrachloroethene	5000	U
79-34-5	1,1,2,2-Tetrachloroethane	5000	U
108-88-3	Toluene	5000	U
108-90-7	Chlorobenzene	5000	U
100-41-4	Ethylbenzene	5000	U
108-38-3	Xylene (para & meta)	5000	U
95-47-6	Xylene (ortho)	5000	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9756889V

AN-WB-02

Lab Name: EMSL ANALYTICAL

Contract: ________

Project No. ________

Site: ________

Location: ________

Group: ________

Matrix: (soil/water) SOIL

Lab Sample ID: 9756889V

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: C8977.D

Level: (low/med) MED

Date Received: 9/16/97

% Moisture: not dec. NA

Date Analyzed: 9/23/97

GC Column: RTX-624 X 75M ID: 0.53 (mm)

Dilution Factor: 1000.0

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

Number TICs found: 0

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	NONE FOUND			
2.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756889B

G10-WB-02

Lab Name: EMSL ANALYTICAL Contract: ____

Project No.: ____ Site: ____ Location: ____ Group: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9756889B

Sample wt/vol: 0.5 (g/mL G Lab File ID: B6491.D

Level: (low/med) MED Date Received: ____

% Moisture: 0 decanted: (Y/N): N Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	20000	U
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl)ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
108-60-1	bis(2-chloroisopropyl)ether	20000	U
621-64-7	N-Nitroso-Di-n-propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
111-91-1	bis(2-Chloroethoxy)methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	130000	
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-methylphenol	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
91-58-7	2-Chloronaphthalene	20000	U
131-11-3	Dimethylphthalate	20000	U
208-96-8	Acenaphthylene	38000	
606-20-2	2,6-Dinitrotoluene	20000	U
83-32-9	Acenaphthene	440000	
51-28-5	2,4-Dinitrophenol	50000	U
100-02-7	4-Nitrophenol	50000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
86-73-7	Fluorene	520000	
7005-72-3	4-Chlorophenyl-phenylether	20000	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756889B

GW-WB-02

Lab Name: EMSL ANALYTICAL

Contract: ______

Project No.: ______

Site: ______

Location: ______

Group: ______

Matrix: (soil/water) SOIL

Lab Sample ID: 9756889B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6491.D

Level: (low/med) MED

Date Received: ______

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ______

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	50000	U
86-30-6	n-Nitrosodiphenylamine	20000	U
122-66-7	1,2-Diphenylhydrazine(as azo)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	50000	U
85-01-08	Phenanthrene	1400000	
120-12-7	Anthracene	1300000	
84-74-2	Di-n-butylphthalate	20000	U
206-44-0	Fluoranthene	2400000	
92-87-5	Benzidine	100000	U
129-00-0	Pyrene	1100000	
85-68-7	Butylbenzylphthalate	20000	U
56-55-3	Benzo[a]anthracene	580000	
91-94-1	3,3'-Dichlorobenzidine	40000	U
218-01-9	Chrysene	450000	
117-81-7	bis(2-Ethylhexyl)phthalate	20000	U
117-84-0	Di-n-octylphthalate	20000	U
205-99-2	Benzo[b]fluoranthene	370000	
207-08-9	Benzo[k]fluoranthene	340000	
50-32-8	Benzo[a]pyrene	480000	
193-39-5	Indeno[1,2,3-cd]pyrene	500000	
53-70-3	Dibenz[a,h]anthracene	290000	
191-24-2	Benzo[g,h,i]perylene	590000	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9756889B

GW-WB-02

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9756889B

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: B6491.D

Level: (low/med) MED

Date Received:

% Moisture: 0

decanted: (Y/N) N

Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 19

CAS Number	Compound Name	RT	Est. Conc	Q
1. 91-57-6	Naphthalene, 2-methyl-	14.34	40000	J
2. 90-12-0	Naphthalene, 1-methyl-	14.63	39000	J
3. 132-64-9	Dibenzofuran	18.13	38000	J
4. 7320-53-8	Dibenzofuran, 4-methyl-	19.74	22000	J
5. 613-12-7	Anthracene, 2-methyl-	23.67	33000	J
6.	Unknown Hydrocarbon	24.00	20000	J
7. 2531-84-2	Phenanthrene, 2-methyl-	24.04	20000	J
8. 35465-71-5	2-Phenylnaphthalene	24.64	21000	J
9.	Unknown Hydrocarbon	26.26	39000	J
10. 243-42-5	Benzo[b]naphtho[2,3-d]furan	26.65	73000	J
11.	Unknown Hydrocarbon	26.90	25000	J
12. 238-84-6	11H-Benzo[a]fluorene	27.57	41000	J
13. 3442-78-2	Pyrene, 2-methyl-	27.74	36000	J
14.	Unknown Hydrocarbon	29.42	20000	J
15. 192-97-2	Benzo[e]pyrene	33.36	91000	J
16. 198-55-0	Perylene	33.81	200000	J
17.	Unknown Hydrocarbon	34.14	96000	J
18.	Unknown Hydrocarbon	34.57	25000	J
19.	Unknown Hydrocarbon	34.63	34000	J
20.				
21.				
22.				
23.				
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25.				
26.				
27.				
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29.				
30.				

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-WB-02

Lab Name: EMSL ANALYTICAL
Contract:

Lab Code:
Case No.:
SAS No.:
SDG No.:

Matrix: (soil/water) misc.
Lab Sample ID: 97-56889

Sample wt/vol: 0.5 (g/mL) g
Lab File ID: D:SP15D149

% Moisture: N/A
decanted: (Y/N) N
Date Received:

Extraction: (SepF/Cont/Sonc) Sonc
Date Extracted: 09/22/97

Concentrated Extract Volume: 10 (ml)
Date Analyzed: 09/23/97

Injection Volume: 1 (uL)
Dilution Factor: 1

GPC Cleanup: (Y/N) N
pH:
Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	5700	
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

Date of Report: 10/06/97
Project Number: 97100269
Lab ID: 97-0056890
Date Collected: 09/15/97 00:00
Collected By: Client
Date Received: 09/16/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,GN,86401-001.000

Client Designation: GN-WB-03

	Conc.	Unit
METALS		
Silver-RCRA	32	mg/kg
Arsenic-RCRA	<9.8	mg/kg
Barium-RCRA	140	mg/kg
Cadmium-RCRA	21	mg/kg
Chromium-RCRA	87	mg/kg
Mercury-RCRA	25	mg/kg
Lead-RCRA	730	mg/kg
Selenium, RCRA	0.79	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	62000	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756890V
GW-WB-03

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9756890V

Sample wt/vol: 0.5 (g/mL) G
Lab File ID: C8978.D

Level: (low/med) MED
Date Received: 9/16/97

% Moisture: not dec. NA
Date Analyzed: 9/23/97

GC Column: RTX-624 X 75M ID: 0.53 (mm)
Dilution Factor: 1000.0

Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	10000	U
74-83-9	Bromomethane	10000	U
75-01-4	Vinyl chloride	10000	U
75-00-3	Chloroethane	10000	U
75-69-4	Trichlorofluoromethane	10000	U
75-09-2	Methylene chloride	5900	B
75-35-4	1,1-Dichloroethene	5000	U
75-34-3	1,1-Dichloroethane	5000	U
156-60-65	trans-1,2-Dichloroethene	5000	U
67-66-3	Chloroform	5000	U
107-06-2	1,2-Dichloroethane	5000	U
71-55-6	1,1,1-Trichloroethane	5000	U
56-23-5	Carbon tetrachloride	5000	U
75-27-4	Bromodichloromethane	5000	U
78-87-5	1,2-Dichloropropane	5000	U
10061-01-5	cis-1,3-Dichloropropene	5000	U
79-01-6	Trichloroethene	5000	U
124-48-1	Dibromochloromethane	5000	U
79-00-5	1,1,2-Trichloroethane	5000	U
71-43-2	Benzene	5000	U
10061-02-6	trans-1,3-Dichloropropene	5000	U
75-25-2	Bromoform	5000	U
127-18-4	Tetrachloroethene	5000	U
79-34-5	1,1,2,2-Tetrachloroethane	5000	U
108-88-3	Toluene	5000	U
108-90-7	Chlorobenzene	5000	U
100-41-4	Ethylbenzene	5000	U
108-38-3	Xylene (para & meta)	5000	U
95-47-6	Xylene (ortho)	5000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9756890V
GW-OB-03

Lab Name: EMSL ANALYTICAL
Contract:
Project No.
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9756890V
Sample wt/vol: 0.5 (g/mL) G
Lab File ID: C8978.D
Level: (low/med) MED
Date Received: 9/16/97
% Moisture: not dec. NA
Date Analyzed: 9/23/97
GC Column: RTX-624 X 75M ID: 0.53 (mm)
Dilution Factor: 1000.0
Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

Concentration Units:
Number TICs found: 0
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	NONE FOUND			
2.				
3.				
4.				
5.				
6.				
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8.				
9.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756890B

AN-WB-03

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9756890B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6492.D

Level: (low/med) MED

Date Received:

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	20000	U
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl)ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
108-60-1	bis(2-chloroisopropyl)ether	20000	U
621-64-7	N-Nitroso-Di-n-propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
111-91-1	bis(2-Chloroethoxy)methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	230000	
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-methylphenol	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
91-58-7	2-Chloronaphthalene	20000	U
131-11-3	Dimethylphthalate	20000	U
208-96-8	Acenaphthylene	64000	
606-20-2	2,6-Dinitrotoluene	20000	U
83-32-9	Acenaphthene	470000	
51-28-5	2,4-Dinitrophenol	50000	U
100-02-7	4-Nitrophenol	50000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
86-73-7	Fluorene	590000	
7005-72-3	4-Chlorophenyl-phenylether	20000	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756890B

GW-WB-03

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9756890B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6492.D

Level: (low/med) MED

Date Received:

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	50000	U
86-30-6	n-Nitrosodiphenylamine	20000	U
122-66-7	1,2-Diphenylhydrazine(as azo)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	50000	U
85-01-08	Phenanthrene	1800000	
120-12-7	Anthracene	1400000	
84-74-2	Di-n-butylphthalate	280000	
206-44-0	Fluoranthene	3100000	
92-87-5	Benzidine	100000	U
129-00-0	Pyrene	1500000	
85-68-7	Butylbenzylphthalate	20000	U
56-55-3	Benzo[a]anthracene	740000	
91-94-1	3,3'-Dichlorobenzidine	40000	U
218-01-9	Chrysene	670000	
117-81-7	bis(2-Ethylhexyl)phthalate	20000	U
117-84-0	Di-n-octylphthalate	20000	U
205-99-2	Benzo[b]fluoranthene	470000	
207-08-9	Benzo[k]fluoranthene	290000	
50-32-8	Benzo[a]pyrene	520000	
193-39-5	Indeno[1,2,3-cd]pyrene	660000	
53-70-3	Dibenz[a,h]anthracene	300000	
191-24-2	Benzo[g,h,i]perylene	860000	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9756890B
GW-WB-03

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9756890B
Sample wt/vol: 0.5 (g/mL) G
Lab File ID: B6492.D
Level: (low/med) MED
Date Received:
% Moisture: 0
decanted: (Y/N) N
Date Extracted: 9/17/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 9/23/97
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N
pH:
Concentration Units: (ug/L or ug/Kg) ug/Kg
Number TICs found: 18

CAS Number	Compound Name	RT	Est. Conc	Q
1. 91-57-6	Naphthalene, 2-methyl-	14.34	76000	J
2. 90-12-0	Naphthalene, 1-methyl-	14.65	50000	J
3. 132-64-9	Dibenzofuran	18.15	49000	J
4. 25640-78-2	Isopropylbiphenyl	19.39	31000	J
5.	Unknown Hydrocarbon	26.28	78000	J
6. 243-42-5	Benzo[b]naphtho[2,3-d]furan	26.67	120000	J
7.	Unknown Hydrocarbon	26.91	59000	J
8. 1210-12-4	9-Anthracenecarbonitrile	26.97	33000	J
9. 2381-21-7	Pyrene, 1-methyl-	27.22	36000	J
10.	Unknown Hydrocarbon	27.32	42000	J
11. 238-84-6	11H-Benzo[a]fluorene	27.55	96000	J
12. 243-17-4	11H-Benzo[b]fluorene	27.73	67000	J
13.	Unknown Hydrocarbon	27.88	45000	J
14. 3442-78-2	Pyrene, 2-methyl-	28.04	34000	J
15. 544-76-3	Hexadecane	28.22	46000	J
16. 217-59-4	Triphenylene	29.41	41000	J
17.	Unknown Hydrocarbon	29.57	67000	J
18. 192-97-2	Benzo[e]pyrene	33.80	65000	J
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-WB-03

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) misc. Lab Sample ID: 97-56890

Sample wt/vol: 0.5 (g/mL) g Lab File ID: D:SP15D150

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/22/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/23/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	4800	
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	3100	

U= Not detected

Date of Report: 10/06/97
Project Number: 97100269
Lab ID: 97-0056891
Date Collected: 09/15/97 00:00
Collected By: Client
Date Received: 09/16/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,GN,86401-001.000

Client Designation: GN-WB-04

	Conc.	Unit
METALS		
Silver-RCRA	<4.9	mg/kg
Arsenic-RCRA	<9.9	mg/kg
Barium-RCRA	100	mg/kg
Cadmium-RCRA	11	mg/kg
Chromium-RCRA	66	mg/kg
Mercury-RCRA	9.1	mg/kg
Lead-RCRA	1200	mg/kg
Selenium, RCRA	<0.50	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	82000	mg/kg
Volatiles		
TPH as Gasoline	1.2	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756891V

GW-WB-04

Lab Name: EMSL ANALYTICAL Contract: ________

Project No.: ________ Site: ________ Location: ________ Group: ________

Matrix: (soil/water) SOIL

Lab Sample ID: 9756891V

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: C8979.D

Level: (low/med) MED

Date Received: 9/16/97

% Moisture: not dec. NA

Date Analyzed: 9/23/97

GC Column: RTX-624 X 75M ID: 0.53 (mm)

Dilution Factor: 500.0

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
74-87-3	Chloromethane	5000	U
74-83-9	Bromomethane	5000	U
75-01-4	Vinyl chloride	5000	U
75-00-3	Chloroethane	5000	U
75-69-4	Trichlorofluoromethane	5000	U
75-09-2	Methylene chloride	3700	B
75-35-4	1,1-Dichloroethene	2500	U
75-34-3	1,1-Dichloroethane	2500	U
156-60-65	trans-1,2-Dichloroethene	2500	U
67-66-3	Chloroform	2500	U
107-06-2	1,2-Dichloroethane	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
56-23-5	Carbon tetrachloride	2500	U
75-27-4	Bromodichloromethane	2500	U
78-87-5	1,2-Dichloropropane	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
79-01-6	Trichloroethene	2500	U
124-48-1	Dibromochloromethane	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
71-43-2	Benzene	2500	U
10061-02-6	trans-1,3-Dichloropropene	2500	U
75-25-2	Bromoform	2500	U
127-18-4	Tetrachloroethene	2500	U
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
108-88-3	Toluene	2500	U
108-90-7	Chlorobenzene	2500	U
100-41-4	Ethylbenzene	2500	U
108-38-3	Xylene (para & meta)	680	J
95-47-6	Xylene (ortho)	2500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9756891V
GW-WB-04

Lab Name: EMSL ANALYTICAL Contract: ____

Project No. ____ Site: ____ Location: ____ Group: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9756891V

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C8979.D

Level: (low/med) MED Date Received: 9/16/97

% Moisture: not dec. NA Date Analyzed: 9/23/97

GC Column: RTX-624 X 75M ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

Number TICs found: 3 (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 80-56-8	.alpha.-Pinene	19.96	6700	J
2. 18172-67-3	Bicyclo[3.1.1]heptane, 6,6-d	21.19	1600	J
3. 95-63-6	Benzene, 1,2,4-trimethyl-	21.81	1300	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9756891B
AW-WB-04

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9756891B
Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6493.D
Level: (low/med) MED
Date Received:
% Moisture: 0
decanted: (Y/N): N
Date Extracted: 9/17/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 9/23/97
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	20000	U
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl)ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
108-60-1	bis(2-chloroisopropyl)ether	20000	U
621-64-7	N-Nitroso-Di-n-propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
111-91-1	bis(2-Chloroethoxy)methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	510000	
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-methylphenol	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
91-58-7	2-Chloronaphthalene	20000	U
131-11-3	Dimethylphthalate	20000	U
208-96-8	Acenaphthylene	150000	
606-20-2	2,6-Dinitrotoluene	20000	U
83-32-9	Acenaphthene	850000	
51-28-5	2,4-Dinitrophenol	50000	U
100-02-7	4-Nitrophenol	50000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
86-73-7	Fluorene	990000	
7005-72-3	4-Chlorophenyl-phenylether	20000	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756891B
GW-WB-04

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9756891B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6493.D

Level: (low/med) MED

Date Received:

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	50000	U
86-30-6	n-Nitrosodiphenylamine	20000	U
122-66-7	1,2-Diphenylhydrazine(as azo)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	50000	U
85-01-08	Phenanthrene	2500000	
120-12-7	Anthracene	2600000	
84-74-2	Di-n-butylphthalate	350000	
206-44-0	Fluoranthene	4100000	
92-87-5	Benzidine	100000	U
129-00-0	Pyrene	1800000	
85-68-7	Butylbenzylphthalate	20000	U
56-55-3	Benzo[a]anthracene	830000	
91-94-1	3,3'-Dichlorobenzidine	40000	U
218-01-9	Chrysene	790000	
117-81-7	bis(2-Ethylhexyl)phthalate	20000	U
117-84-0	Di-n-octylphthalate	20000	U
205-99-2	Benzo[b]fluoranthene	450000	
207-08-9	Benzo[k]fluoranthene	610000	
50-32-8	Benzo[a]pyrene	610000	
193-39-5	Indeno[1,2,3-cd]pyrene	800000	
53-70-3	Dibenz[a,h]anthracene	360000	
191-24-2	Benzo[g,h,i]perylene	1100000	

SAMPLE NO.

9756891B
GW-WB-04

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: EMSL ANALYTICAL Contract: ____

Project No.: ____ Site: ____ Location: ____ Group: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9756891B

Sample wt/vol: 0.5 (g/mL) G Lab File ID: B6493.D

Level: (low/med) MED Date Received: ____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 17

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 91-57-6	Naphthalene, 2-methyl-	14.39	71000	J
2. 90-12-0	Naphthalene, 1-methyl-	14.68	57000	J
3. 571-61-9	Naphthalene, 1,5-dimethyl-	16.57	29000	J
4. 132-64-9	Dibenzofuran	18.18	35000	J
5. 243-42-5	Benzo[b]naphtho[2,3-d]furan	26.72	79000	J
6.	Unknown Hydrocarbon	26.94	45000	J
7. 1210-12-4	9-Anthracenecarbonitrile	27.00	35000	J
8. 238-84-6	11H-Benzo[a]fluorene	27.23	30000	J
9. 243-17-4	11H-Benzo[b]fluorene	27.56	67000	J
10. 3442-78-2	Pyrene, 2-methyl-	27.74	58000	J
11.	Unknown Hydrocarbon	27.89	32000	J
12.	Unknown Hydrocarbon	28.05	30000	J
13. 84-15-1	o-Terphenyl	28.77	31000	J
14. 82-05-3	7H-Benz[de]anthracen-7-one	29.04	33000	J
15.	Unknown Hydrocarbon	29.42	38000	J
16.	Unknown Hydrocarbon	29.55	31000	J
17. 205-99-2	Benz[e]acephenanthrylene	33.84	75000	J
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1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-WB-04

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) misc. Lab Sample ID: 97-56891

Sample wt/vol: 0.5 (g/mL) g Lab File ID: D:SP15D151

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/22/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/23/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	5000	
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

Date of Report: 10/06/97
Project Number: 97100269
Lab ID: 97-0056892
Date Collected: 09/15/97 00:00
Collected By: Client
Date Received: 09/16/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,GN,86401-001.000

Client Designation: GN-WB-05

	Conc.	Unit
METALS		
Silver-RCRA	<6.4	mg/kg
Arsenic-RCRA	<13	mg/kg
Barium-RCRA	69	mg/kg
Cadmium-RCRA	14	mg/kg
Chromium-RCRA	120	mg/kg
Mercury-RCRA	17	mg/kg
Lead-RCRA	120	mg/kg
Selenium, RCRA	<0.50	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	28000	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

SAMPLE NO.

9756892V
GW-WB-05

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: EMSL ANALYTICAL

Contract: ______

Project No.: ______

Site: ______

Location: ______

Group: ______

Matrix: (soil/water) SOIL

Lab Sample ID: 9756892V

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: C8980.D

Level: (low/med) MED

Date Received: 9/16/97

% Moisture: not dec. NA

Date Analyzed: 9/23/97

GC Column: RTX-624 X 75M ID: 0.53 (mm)

Dilution Factor: 500.0

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	5000	U
74-83-9	Bromomethane	5000	U
75-01-4	Vinyl chloride	5000	U
75-00-3	Chloroethane	5000	U
75-69-4	Trichlorofluoromethane	5000	U
75-09-2	Methylene chloride	3400	B
75-35-4	1,1-Dichloroethene	2500	U
75-34-3	1,1-Dichloroethane	2500	U
156-60-65	trans-1,2-Dichloroethene	2500	U
67-66-3	Chloroform	2500	U
107-06-2	1,2-Dichloroethane	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
56-23-5	Carbon tetrachloride	2500	U
75-27-4	Bromodichloromethane	2500	U
78-87-5	1,2-Dichloropropane	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
79-01-6	Trichloroethene	2500	U
124-48-1	Dibromochloromethane	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
71-43-2	Benzene	2500	U
10061-02-6	trans-1,3-Dichloropropene	2500	U
75-25-2	Bromoform	2500	U
127-18-4	Tetrachloroethene	2500	U
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
108-88-3	Toluene	2500	U
108-90-7	Chlorobenzene	2500	U
100-41-4	Ethylbenzene	2500	U
108-38-3	Xylene (para & meta)	2500	U
95-47-6	Xylene (ortho)	2500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9756892V -
GW WB-05

Lab Name: EMSL ANALYTICAL
Contract:
Project No.
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9756892V
Sample wt/vol: 1.0 (g/mL) G
Lab File ID: C8980.D
Level: (low/med) MED
Date Received: 9/16/97
% Moisture: not dec. NA
Date Analyzed: 9/23/97
GC Column: RTX-624 X 75M ID: 0.53 (mm)
Dilution Factor: 500.0
Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg
Number TICs found: 2

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	5.81	5400	J
2.	Unknown	8.72	1900	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9756892B
BW-WB-05

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9756892B
Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6494.D
Level: (low/med) MED
Date Received:
% Moisture: 0
decanted: (Y/N): N
Date Extracted: 9/17/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 9/23/97
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	20000	U
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl)ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
108-60-1	bis(2-chloroisopropyl)ether	20000	U
621-64-7	N-Nitroso-Di-n-propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
111-91-1	bis(2-Chloroethoxy)methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	190000	
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-methylphenol	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
91-58-7	2-Chloronaphthalene	20000	U
131-11-3	Dimethylphthalate	20000	U
208-96-8	Acenaphthylene	57000	
606-20-2	2,6-Dinitrotoluene	20000	U
83-32-9	Acenaphthene	1400000	
51-28-5	2,4-Dinitrophenol	50000	U
100-02-7	4-Nitrophenol	50000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
86-73-7	Fluorene	1400000	
7005-72-3	4-Chlorophenyl-phenylether	20000	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9756892B
GN-WP-05

Lab Name: EMSL ANALYTICAL   Contract: ______

Project No.: ______   Site: ______   Location: ______   Group: ______

Matrix: (soil/water) SOIL   Lab Sample ID: 9756892B

Sample wt/vol: 0.5 (g/mL G   Lab File ID: B6494.D

Level: (low/med) MED   Date Received: ______

% Moisture: 0   decanted: (Y/N): N   Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)   Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) N   pH: ______   Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	50000	U
86-30-6	n-Nitrosodiphenylamine	20000	U
122-66-7	1,2-Diphenylhydrazine(as azo)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	50000	U
85-01-08	Phenanthrene	2500000	
120-12-7	Anthracene	2600000	
84-74-2	Di-n-butylphthalate	71000	
206-44-0	Fluoranthene	3600000	
92-87-5	Benzidine	100000	U
129-00-0	Pyrene	1700000	
85-68-7	Butylbenzylphthalate	21000	
56-55-3	Benzo[a]anthracene	480000	
91-94-1	3,3'-Dichlorobenzidine	40000	U
218-01-9	Chrysene	410000	
117-81-7	bis(2-Ethylhexyl)phthalate	20000	U
117-84-0	Di-n-octylphthalate	20000	U
205-99-2	Benzo[b]fluoranthene	72000	
207-08-9	Benzo[k]fluoranthene	100000	
50-32-8	Benzo[a]pyrene	83000	
193-39-5	Indeno[1,2,3-cd]pyrene	86000	
53-70-3	Dibenz[a,h]anthracene	39000	
191-24-2	Benzo[g,h,i]perylene	100000	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9756892B
GW-WB-05

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9756892B

Sample wt/vol: 0.5 (g/mL) G
Lab File ID: B6494.D

Level: (low/med) MED
Date Received:

% Moisture: 0
decanted: (Y/N) N
Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL)
Dilution Factor: 1.0

GPC Cleanup: (Y/N) N
pH:

Concentration Units: (ug/L or ug/Kg) ug/Kg

Number TICs found: 17

CAS Number	Compound Name	RT	Est. Conc	Q
1. 91-57-6	Naphthalene, 2-methyl-	14.36	120000	J
2. 90-12-0	Naphthalene, 1-methyl-	14.67	78000	J
3. 7320-53-8	Dibenzofuran, 4-methyl-	20.01	99000	J
4. 132-65-0	Dibenzothiophene	21.78	72000	J
5. 832-69-9	Phenanthrene, 1-methyl-	23.68	79000	J
6.	Unknown Hydrocarbon	23.82	81000	J
7. 203-64-5	4H-Cyclopenta[def]phenanthre	24.03	93000	J
8. 779-02-2	Anthracene, 9-methyl-	24.07	92000	J
9. 35465-71-5	2-Phenylnaphthalene	24.66	100000	J
10.	Unknown Hydrocarbon	26.25	65000	J
11.	Unknown Hydrocarbon	26.62	210000	J
12. 243-42-5	Benzo[b]naphtho[2,3-d]furan	26.88	83000	J
13. 243-17-4	11H-Benzo[b]fluorene	27.19	44000	J
14. 238-84-6	11H-Benzo[a]fluorene	27.50	110000	J
15. 2381-21-7	Pyrene, 1-methyl-	27.68	43000	J
16. 544-76-3	Hexadecane	28.18	43000	J
17.	Unknown Hydrocarbon	29.53	100000	J
18.				
19.				
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1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-WB-05

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) misc. Lab Sample ID: 97-56892

Sample wt/vol: 0.5 (g/mL) g Lab File ID: D:SP15D152

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/22/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/23/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

Date of Report: 10/06/97
Project Number: 97100269
Lab ID: 97-0056893
Date Collected: 09/15/97 00:00
Collected By: Client
Date Received: 09/16/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,GN,86401-001.000

Client Designation: GN-RS-02

	Conc.	Unit
LIMITED		
Solids, Total	99	%
ORGANIC		
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
Volatiles		
VOA by 8260 with Library Search	see attached	ug/kg

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9756893V
GW-RS-02

Lab Name: EMSL ANALYTICAL
Contract: ______
Project No.: ______
Site: ______
Location: ______
Group: ______
Matrix: (soil/water) SOIL
Lab Sample ID: 9756893V
Sample wt/vol: 5.0 (g/mL) G
Lab File ID: V7916.D
Level: (low/med) LOW
Date Received: 9/16/97
% Moisture: not dec. 1
Date Analyzed: 10/3/97
GC Column: HP-624 X 75M ID: 0.53 (mm)
Dilution Factor: 1.0
Soil Extract Volume: ______ (uL)
Soil Aliquot Volume: ______ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-09-2	Methylene chloride	9	B
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-65	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
108-38-3	Xylene (para & meta)	5	U
95-47-6	Xylene (ortho)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9756893V
GN-RS-02

Lab Name: EMSL ANALYTICAL
Contract:

Project No.
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9756893V

Sample wt/vol: 5.0 (g/mL) G
Lab File ID: V7916.D

Level: (low/med) LOW
Date Received: 9/16/97

% Moisture: not dec. 1
Date Analyzed: 10/3/97

GC Column: HP-624 X 75M ID: 0.53 (mm)
Dilution Factor: 1.0

Soil Extract Volume: 1 (uL)
Soil Aliquot Volume: 1 (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 1

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	13.61	5	J
2.				
3.				
4.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9756893B
GW-RS-02

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9756893B
Sample wt/vol: 30.0 (g/mL G
Lab File ID: B6489.D
Level: (low/med) LOW
Date Received:
% Moisture: 7
decanted: (Y/N): N
Date Extracted: 9/17/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 9/22/97
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
108-60-1	bis(2-chloroisopropyl)ether	360	U
621-64-7	N-Nitroso-Di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
91-58-7	2-Chloronaphthalene	360	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U

1B

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

9756893B

GW-25-02

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9756893B

Sample wt/vol: 30.0 (g/mL G

Lab File ID: B6489.D

Level: (low/med) LOW

Date Received:

% Moisture: 7

decanted: (Y/N): N

Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 9/22/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	n-Nitrosodiphenylamine	360	U
122-66-7	1,2-Diphenylhydrazine(as azo)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-08	Phenanthrene	63	J
120-12-7	Anthracene	360	U
84-74-2	Di-n-butylphthalate	660	
206-44-0	Fluoranthene	53	J
92-87-5	Benzidine	1800	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	180	J
56-55-3	Benzo[a]anthracene	360	U
91-94-1	3,3'-Dichlorobenzidine	720	U
218-01-9	Chrysene	38	J
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo[b]fluoranthene	360	U
207-08-9	Benzo[k]fluoranthene	360	U
50-32-8	Benzo[a]pyrene	360	U
193-39-5	Indeno[1,2,3-cd]pyrene	360	U
53-70-3	Dibenz[a,h]anthracene	360	U
191-24-2	Benzo[g,h,i]perylene	360	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9756893B
GW-RS-02

Lab Name: EMSL ANALYTICAL   Contract:

Project No.:   Site: Location: Group:

Matrix: (soil/water) SOIL   Lab Sample ID: 9756893B

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B6489.D

Level: (low/med) LOW   Date Received:

% Moisture: 7   decanted: (Y/N) N   Date Extracted: 9/17/97

Concentrated Extract Volume: 1000 (uL)   Date Analyzed: 9/22/97

Injection Volume: 1.0 (uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) N   pH:

Number TICs found: 20   Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	8.52	330	J
2. 109-21-7	Butanoic acid, butyl ester	15.74	280	J
3.	Unknown Hydrocarbon	19.31	390	J
4.	Unknown Hydrocarbon	23.45	280	J
5. 10544-50-0	Sulfur, mol. (S8)	25.27	2000	J
6.	Unknown Hydrocarbon	26.48	690	J
7.	Unknown Hydrocarbon	28.88	440	J
8. 544-76-3	Hexadecane	29.23	450	J
9.	Unknown Hydrocarbon	29.27	380	J
10.	Unknown Hydrocarbon	29.50	5700	J
11. 603-11-2	1,2-Benzenedicarboxylic acid	30.81	5100	J
12.	Unknown Hydrocarbon	32.16	290	J
13.	Unknown	32.72	460	J
14.	Unknown Hydrocarbon	33.29	330	J
15.	Unknown Hydrocarbon	33.29	240	J
16.	Unknown	33.33	990	J
17.	Unknown Hydrocarbon	34.79	250	J
18.	Unknown Hydrocarbon	35.41	430	J
19.	Unknown Hydrocarbon	36.13	270	J
20. 55401-75-7	Anthracene, 9-dodecyltetrade	36.13	270	J
21.				
22.				
23.				
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29.				
30.				

EMSL

Date of Report: 10/06/97
Project Number: 97100269
Lab ID: 97-0056894
Date Collected: 09/15/97 00:00
Collected By: Client
Date Received: 09/16/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,GN,86401-001.000

Client Designation: GN-RS-03

	Conc.	Unit
METALS		
Silver-RCRA	<5.0	mg/kg
Arsenic-RCRA	53	mg/kg
Barium-RCRA	450	mg/kg
Cadmium-RCRA	5.8	mg/kg
Chromium-RCRA	2400	mg/kg
Mercury-RCRA	0.46	mg/kg
Lead-RCRA	170	mg/kg
Selenium, RCRA	<0.50	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	8300	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg

1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-RS-03

Lab Name: EMSL ANALYTICAL   Contract:

Lab Code: Case No.:   SAS No.:   SDG No.:

Matrix: (soil/water) soil   Lab Sample ID: 97-56894

Sample wt/vol: 5.0 (g/mL) g   Lab File ID: D:SP15D181

% Moisture: N/A   decanted: (Y/N) N   Date Received:

Extraction: (SepF/Cont/Sonc) Sonc   Date Extracted: 09/22/97

Concentrated Extract Volume: 10 (ml)   Date Analyzed: 09/24/97

Injection Volume: 1 (uL)   Dilution Factor: 5

GPC Cleanup: (Y/N) N   pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	1000	U
11104-28-2 -------	Aroclor-1221	1000	U
11141-16-5 -------	Aroclor-1232	1000	U
53469-21-9 -------	Aroclor-1242	1000	U
12672-29-6 -------	Aroclor-1248	1000	U
11097-69-1 -------	Aroclor-1254	1000	U
11096-82-5 -------	Aroclor-1260	1000	U

U= Not detected

Date of Report: 10/06/97
Project Number: 97100269
Lab ID: 97-0056895
Date Collected: 09/15/97 00:00
Collected By: Client
Date Received: 09/16/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,GN,86401-001.000

Client Designation: GN-RS-04

	Conc.	Unit
LIMITED		
Solids, Total	40	%
METALS		
Silver-RCRA	18	mg/kg
Arsenic-RCRA	<25	mg/kg
Barium-RCRA	170	mg/kg
Cadmium-RCRA	42	mg/kg
Chromium-RCRA	290	mg/kg
Mercury-RCRA	23	mg/kg
Lead-RCRA	870	mg/kg
Selenium, RCRA	<1.2	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	16000	mg/kg
Volatiles		
TPH as Gasoline	230	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756895V

GU-RS-04

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9756895V

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: V7914.D

Level: (low/med) LOW

Date Received: 9/16/97

% Moisture: not dec. 60

Date Analyzed: 10/3/97

GC Column: HP-624 X 75M ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
74-87-3	Chloromethane	130	U
74-83-9	Bromomethane	130	U
75-01-4	Vinyl chloride	130	U
75-00-3	Chloroethane	130	U
75-69-4	Trichlorofluoromethane	130	U
75-09-2	Methylene chloride	95	B
75-35-4	1,1-Dichloroethene	63	U
75-34-3	1,1-Dichloroethane	63	U
156-60-65	trans-1,2-Dichloroethene	63	U
67-66-3	Chloroform	63	U
107-06-2	1,2-Dichloroethane	63	U
71-55-6	1,1,1-Trichloroethane	63	U
56-23-5	Carbon tetrachloride	63	U
75-27-4	Bromodichloromethane	63	U
78-87-5	1,2-Dichloropropane	63	U
10061-01-5	cis-1,3-Dichloropropene	63	U
79-01-6	Trichloroethene	63	U
124-48-1	Dibromochloromethane	63	U
79-00-5	1,1,2-Trichloroethane	63	U
71-43-2	Benzene	63	U
10061-02-6	trans-1,3-Dichloropropene	63	U
75-25-2	Bromoform	63	U
127-18-4	Tetrachloroethene	79	
79-34-5	1,1,2,2-Tetrachloroethane	63	U
108-88-3	Toluene	140	
108-90-7	Chlorobenzene	63	U
100-41-4	Ethylbenzene	63	U
108-38-3	Xylene (para & meta)	74	
95-47-6	Xylene (ortho)	63	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9756895V
GW-RS-04

Lab Name: EMSL ANALYTICAL
Contract:
Project No.
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9756895V
Sample wt/vol: 1.0 (g/mL) G
Lab File ID: V7914.D
Level: (low/med) LOW
Date Received: 9/16/97
% Moisture: not dec. 60
Date Analyzed: 10/3/97
GC Column: HP-624 X 75M ID: 0.53 (mm)
Dilution Factor: 5.0
Soil Extract Volume: 1 (uL)
Soil Aliquot Volume: 1 (uL)

Concentration Units:
Number TICs found: 15
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 354-23-4	Ethane, 1,2-dichloro-1,1,2-t	3.81	1300	J
2. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	4.13	2700	J
3.	Unknown	8.85	1900	J
4. 124-18-5	Decane	18.19	1900	J
5. 2847-72-5	Decane, 4-methyl-	18.72	2300	J
6.	Unknown Hydrocarbon	19.64	1400	J
7. 629-59-4	Tetradecane	20.40	2800	J
8. 54105-77-0	(2-Methylbutyl)cyclohexane	21.43	860	J
9.	Unknown Hydrocarbon	21.85	900	J
10.	Unknown Hydrocarbon	21.87	1500	J
11. 112-40-3	Dodecane	22.40	2400	J
12. 17301-23-4	Undecane, 2,6-dimethyl-	22.70	1000	J
13. 544-76-3	Hexadecane	24.29	1100	J
14.	Unknown	27.51	690	J
15.	Unknown Hydrocarbon	28.32	900	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9756895B
GW-RS04

Lab Name: EMSL ANALYTICAL Contract: ______

Project No.: ______ Site: ______ Location: ______ Group: ______

Matrix: (soil/water) SOIL Lab Sample ID: 9756895B

Sample wt/vol: 30.0 (g/mL G Lab File ID: B6629.D

Level: (low/med) LOW Date Received: ______

% Moisture: 60 decanted: (Y/N): N Date Extracted: ______

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/6/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ______ Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	830	U
108-95-2	Phenol	830	U
111-44-4	bis(2-Chloroethyl)ether	830	U
95-57-8	2-Chlorophenol	830	U
541-73-1	1,3-Dichlorobenzene	830	U
106-46-7	1,4-Dichlorobenzene	830	U
95-50-1	1,2-Dichlorobenzene	830	U
108-60-1	bis(2-chloroisopropyl)ether	830	U
621-64-7	N-Nitroso-Di-n-propylamine	830	U
67-72-1	Hexachloroethane	830	U
98-95-3	Nitrobenzene	830	U
78-59-1	Isophorone	830	U
88-75-5	2-Nitrophenol	830	U
105-67-9	2,4-Dimethylphenol	830	U
111-91-1	bis(2-Chloroethoxy)methane	830	U
120-83-2	2,4-Dichlorophenol	830	U
120-82-1	1,2,4-Trichlorobenzene	830	U
91-20-3	Naphthalene	130	J
87-68-3	Hexachlorobutadiene	830	U
59-50-7	4-Chloro-3-methylphenol	830	U
77-47-4	Hexachlorocyclopentadiene	830	U
88-06-2	2,4,6-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	830	U
131-11-3	Dimethylphthalate	830	U
208-96-8	Acenaphthylene	830	U
606-20-2	2,6-Dinitrotoluene	830	U
83-32-9	Acenaphthene	830	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
121-14-2	2,4-Dinitrotoluene	830	U
84-66-2	Diethylphthalate	830	U
86-73-7	Fluorene	830	U
7005-72-3	4-Chlorophenyl-phenylether	830	U

1B

SAMPLE NO.

9756895B

GMD.RS.04

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: EMSL ANALYTICAL

Contract: ______

Project No.: ______

Site: ______

Location: ______

Group: ______

Matrix: (soil/water) SOIL

Lab Sample ID: 9756895B

Sample wt/vol: 30.0 (g/mL G

Lab File ID: B6629.D

Level: (low/med) LOW

Date Received: ______

% Moisture: 60

decanted: (Y/N): N

Date Extracted: ______

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/6/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ______

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	n-Nitrosodiphenylamine	830	U
122-66-7	1,2-Diphenylhydrazine(as azo)	830	U
101-55-3	4-Bromophenyl-phenylether	830	U
118-74-1	Hexachlorobenzene	830	U
87-86-5	Pentachlorophenol	2100	U
85-01-08	Phenanthrene	830	U
120-12-7	Anthracene	830	U
84-74-2	Di-n-butylphthalate	830	U
206-44-0	Fluoranthene	830	U
92-87-5	Benzidine	4200	U
129-00-0	Pyrene	830	U
85-68-7	Butylbenzylphthalate	830	U
56-55-3	Benzo[a]anthracene	670	J
91-94-1	3,3'-Dichlorobenzidine	1700	U
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	830	U
117-84-0	Di-n-octylphthalate	830	U
205-99-2	Benzo[b]fluoranthene	330	J
207-08-9	Benzo[k]fluoranthene	350	J
50-32-8	Benzo[a]pyrene	270	J
193-39-5	Indeno[1,2,3-cd]pyrene	380	J
53-70-3	Dibenz[a,h]anthracene	140	J
191-24-2	Benzo[g,h,i]perylene	440	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9756895B
GW-RS-of

Lab Name: EMSL ANALYTICAL

Contract: ______

Project No.: ______

Site: ______

Location: ______

Group: ______

Matrix: (soil/water) SOIL

Lab Sample ID: 9756895B

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: B6629.D

Level: (low/med) LOW

Date Received: ______

% Moisture: 60

decanted: (Y/N) N

Date Extracted: ______

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/6/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ______

Number TICs found: 18

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1.	Unknown Hydrocarbon	10.36	5200	J
2.	Unknown Hydrocarbon	11.52	3400	J
3.	Unknown Hydrocarbon	12.31	2400	J
4.	Unknown Hydrocarbon	12.43	4200	J
5.	Unknown Hydrocarbon	13.65	3800	J
6.	Unknown Hydrocarbon	14.33	14000	J
7.	Unknown Hydrocarbon	20.09	2400	J
8.	Unknown Hydrocarbon	20.85	3000	J
9.	Unknown Hydrocarbon	20.87	3900	J
10.	Unknown Hydrocarbon	20.89	2700	J
11.	Unknown Hydrocarbon	22.23	2400	J
12. 544-76-3	Hexadecane	25.82	6700	J
13.	Unknown Hydrocarbon	27.58	2300	J
14. 638-67-5	Tricosane	27.88	3600	J
15.	Unknown Hydrocarbon	28.87	3800	J
16.	Unknown	32.87	3400	J
17.	Unknown Hydrocarbon	34.93	3100	J
18.	Unknown Hydrocarbon	35.65	3000	J
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-RS-04

Lab Name: EMSL ANALYTICAL

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Matrix: (soil/water) soil

Lab Sample ID: 97-56895

Sample wt/vol: 15 (g/mL) g

Lab File ID: D:SP15D158

% Moisture: 60

decanted: (Y/N) N

Date Received:

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 09/22/97

Concentrated Extract Volume: 10 (ml)

Date Analyzed: 09/23/97

Injection Volume: 1 (uL)

Dilution Factor: 2000

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	400000	U
11104-28-2	Aroclor-1221	400000	U
11141-16-5	Aroclor-1232	400000	U
53469-21-9	Aroclor-1242	400000	U
12672-29-6	Aroclor-1248	4600000	
11097-69-1	Aroclor-1254	400000	U
11096-82-5	Aroclor-1260	400000	U

U= Not detected

Date of Report: 10/06/97
Project Number: 97100269
Lab ID: 97-0056896
Date Collected: 09/15/97 00:00
Collected By: Client
Date Received: 09/16/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,GN,86401-001.000

Client Designation: Trip Blank

	Conc.	Unit
ORGANIC		
Volatiles		
VOA by 8260 with Library Search	see attached	ug/l

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9756896V

Trip Blank

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) WATER

Lab Sample ID: 9756896V

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: D1050.D

Level: (low/med)

Date Received: 9/16/97

% Moisture: not dec.

Date Analyzed: 9/22/97

GC Column: RTX-624 X 75M

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-09-2	Methylene chloride	6	B
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-65	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
108-38-3	Xylene (para & meta)	5	U
95-47-6	Xylene (ortho)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9756896V
Trip Blank

Lab Name: EMSL ANALYTICAL Contract:

Project No. Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: 9756896V

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D1050.D

Level: (low/med) Date Received: 9/16/97

% Moisture: not dec. Date Analyzed: 9/22/97

GC Column: RTX-624 X 75M ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	NONE FOUND			
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.				

EMS ANALYTICAL INC.
3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

Chain of Custody / Analysis Request Form

EMSL Project # 9716026 9
PO # 9963101

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Report to:
Chris Andrews
EMCON
International Blvd.
Mahwah, NJ 07495

2. Bill to: same

Project: Lockheed Martin
Great Neck
90401-011.020
Tel #: (201) 512-5700
FAX #(201) 512-5786

3. Sampled by (Signature):

4. # of Samples in Shipment: 10

5. Date of Sample Shipment: 9-15-97

6. Date Results Needed:

Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix					Method Preserved						Sampling		Number of Containers	Indicate Analysis Requested										Laboratory Number
					WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Date	Time		RCRA METALS	VOC'S +10	SVOC'S	PCB'S	TPHC ([illegible])						
1	1	GN-RS-01	X			X							X			9/15	2:15	1	X			X							56887
2	2	GN-WB-01		X					X				X			9/15	2:20	1	X	X	X	X	X						88
3	3	GN-WB-02		X					X				X			9/15	2:45	1	X	X	X	X	X						89
4	4	GN-WB-03		X					X				X			9/15	3:00	1	X	X	X	X	X						90
5	5	GN-WB-04		X					X				X			9/15	3:00	1	X	X	X	X	X						91
6	6	GN-WB-05		X					X				X			9/15	3:05	1	X	X	X	X	X						92
7	7	GN-RS-02		X		X										9/15	3:30	1		X	X								93
8	8	GN-RS-03		X				X								9/15	3:45	1	X			X	X						94
9	9	GN-RS-04		X				X								9/15	4:35	1	X	X	X	X	X						95

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
	9/15 16:00	FedEx		EmsL	9/16 1010	
	/				/	
	/				/	

Please indicate turnaround time: standard 10D [✓ 5D] 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

EMSL Analytical Inc.
3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

Chain of Custody / Analysis Request Form

EMSL Project # ______
PO # S2123/01

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Report to:
Chris Andrews
EMCON
1 International Blvd.
Mahwah, NJ 07495

2. Bill to:
Same

Project: Lockheed Martin
Great Neck

Tel #: (201) 512-5700
FAX #: (201) 512-5706

3. Sampled by (Signature)

4. # of Samples in Shipment: 10

5. Date of Sample Shipment: 9/15

6. Date Results Needed: 9/20

Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix					Method Preserved						Sampling		Number of Containers	Indicate Analysis Requested									Laboratory Number
					WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO3	H2SO4	ICE	NONE	OTHER	Date	Time		VOC's + 10									
1	10	Trip Blank			\											—	—	2	X									96
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
	9/15 16:00	FedEx			/	
	/				/	
	/				/	

Please indicate turnaround time: standard 10D [✓ 5D] 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

EMSL

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062891
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-CC-03

	Conc.	Unit
METALS		
Silver-RCRA	14	mg/kg
Arsenic-RCRA	12	mg/kg
Barium-RCRA	260	mg/kg
Cadmium-RCRA	34	mg/kg
Chromium-RCRA	67	mg/kg
Mercury-RCRA	1.9	mg/kg
Lead-RCRA	340	mg/kg
Selenium, RCRA	<0.49	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	160	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg

1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

BN-CC-03

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) soil Lab Sample ID: 97-62891

Sample wt/vol: 30 (g/mL) g Lab File ID: D:OC04D369

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 101/5/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	100	U
11104-28-2 -------	Aroclor-1221	100	U
11141-16-5 -------	Aroclor-1232	100	U
53469-21-9 -------	Aroclor-1242	100	U
12672-29-6 -------	Aroclor-1248	100	U
11097-69-1 -------	Aroclor-1254	880	
11096-82-5 -------	Aroclor-1260	100	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062892
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-CC-04

	Conc.	Unit
METALS		
Silver-RCRA	<5.0	mg/kg
Arsenic-RCRA	<9.9	mg/kg
Barium-RCRA	83	mg/kg
Cadmium-RCRA	<2.0	mg/kg
Chromium-RCRA	27	mg/kg
Mercury-RCRA	1.6	mg/kg
Lead-RCRA	28	mg/kg
Selenium, RCRA	<0.48	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	120	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

BW-CC-04

Lab Name: EMSL ANALYTICAL Contract: ____

Lab Code: ____ Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) soil Lab Sample ID: 97-62892

Sample wt/vol: 30 (g/mL) g Lab File ID: D:OC04D370

% Moisture: N/A decanted: (Y/N) N Date Received: ____

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 101/5/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	100	U
11104-28-2 -------	Aroclor-1221	100	U
11141-16-5 -------	Aroclor-1232	100	U
53469-21-9 -------	Aroclor-1242	100	U
12672-29-6 -------	Aroclor-1248	100	U
11097-69-1 -------	Aroclor-1254	210	
11096-82-5 -------	Aroclor-1260	100	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062893
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-CC-05

	Conc.	Unit
METALS		
Silver-RCRA	<4.8	mg/kg
Arsenic-RCRA	<9.5	mg/kg
Barium-RCRA	140	mg/kg
Cadmium-RCRA	2.4	mg/kg
Chromium-RCRA	19	mg/kg
Mercury-RCRA	<0.10	mg/kg
Lead-RCRA	140	mg/kg
Selenium, RCRA	<0.48	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	79	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg

1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

CaD-CC-025

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) soil Lab Sample ID: 97-62893

Sample wt/vol: 30 (g/mL) g Lab File ID: D:OC04D371

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	40	U
11104-28-2 -------	Aroclor-1221	40	U
11141-16-5 -------	Aroclor-1232	40	U
53469-21-9 -------	Aroclor-1242	40	U
12672-29-6 -------	Aroclor-1248	40	U
11097-69-1 -------	Aroclor-1254	40	U
11096-82-5 -------	Aroclor-1260	72	

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062894
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-W-13

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-W-13

Lab Name: EMSL ANALYTICAL Contract: ____

Lab Code: ____ Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) wipe Lab Sample ID: 97-62894

Sample wt/vol: N/A (g/mL) ____ Lab File ID: D:OC04D348

% Moisture: N/A decanted: (Y/N) N Date Received: ____

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	1	U
11104-28-2 -------	Aroclor-1221	1	U
11141-16-5 -------	Aroclor-1232	1	U
53469-21-9 -------	Aroclor-1242	1	U
12672-29-6 -------	Aroclor-1248	1	U
11097-69-1 -------	Aroclor-1254	2.3	
11096-82-5 -------	Aroclor-1260	1	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062895
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-W-14

	Conc.	Unit
METALS		
Silver-RCRA	<2.5	ug/ft2
Arsenic-RCRA	<5.0	ug/ft2
Barium-RCRA	150	ug/ft2
Cadmium-RCRA	4.8	ug/ft2
Chromium-RCRA	36	ug/ft2
Mercury-RCRA	0.35	ug/ft2
Lead-RCRA	220	ug/ft2
Selenium, RCRA	<10	ug/ft2

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062896
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-W-15

	Conc.	Unit
METALS		
Silver-RCRA	7.5	ug/ft2
Arsenic-RCRA	<5.0	ug/ft2
Barium-RCRA	110	ug/ft2
Cadmium-RCRA	13	ug/ft2
Chromium-RCRA	65	ug/ft2
Mercury-RCRA	5.8	ug/ft2
Lead-RCRA	230	ug/ft2
Selenium, RCRA	<10	ug/ft2

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062897
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-W-16

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GpU-W-16

Lab Name: EMSL ANALYTICAL Contract: ______

Lab Code: ______ Case No.: ______ SAS No.: ______ SDG No.: ______

Matrix: (soil/water) wipe Lab Sample ID: 97-62897

Sample wt/vol: N/A (g/mL) ______ Lab File ID: D:OC04D368

% Moisture: N/A decanted: (Y/N) N Date Received: ______

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 10

GPC Cleanup: (Y/N) N pH: ______ Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/ft2

CAS NO.	COMPOUND	ug/ft2	Q
12674-11-2 -------	Aroclor-1016	10	U
11104-28-2 -------	Aroclor-1221	10	U
11141-16-5 -------	Aroclor-1232	10	U
53469-21-9 -------	Aroclor-1242	10	U
12672-29-6 -------	Aroclor-1248	10	U
11097-69-1 -------	Aroclor-1254	62	
11096-82-5 -------	Aroclor-1260	10	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062898
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-W-17

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-W-17

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) wipe Lab Sample ID: 97-62898

Sample wt/vol: N/A (g/mL) Lab File ID: D:OC04D347

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	1	U
11104-28-2 -------	Aroclor-1221	1	U
11141-16-5 -------	Aroclor-1232	1	U
53469-21-9 -------	Aroclor-1242	1	U
12672-29-6 -------	Aroclor-1248	1	U
11097-69-1 -------	Aroclor-1254	1	U
11096-82-5 -------	Aroclor-1260	9.1	

U= Not detected

EMSL

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062899
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-RS-13

	Conc.	Unit
METALS		
Silver-RCRA	43	mg/kg
Arsenic-RCRA	25	mg/kg
Barium-RCRA	400	mg/kg
Cadmium-RCRA	48	mg/kg
Chromium-RCRA	560	mg/kg
Mercury-RCRA	37	mg/kg
Lead-RCRA	3500	mg/kg
Selenium, RCRA	<0.50	mg/kg

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062900
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-RS-14

	Conc.	Unit
LIMITED		
Solids, Total	96	%
METALS		
Silver-RCRA	<4.8	mg/kg
Arsenic-RCRA	<9.5	mg/kg
Barium-RCRA	79	mg/kg
Cadmium-RCRA	2.3	mg/kg
Chromium-RCRA	63	mg/kg
Mercury-RCRA	5.6	mg/kg
Lead-RCRA	140	mg/kg
Selenium, RCRA	<0.48	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	12000	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762900V

GW-RS-14

Lab Name: EMSL ANALYTICAL Contract: ______

Project No.: ______ Site: ______ Location: ______ Group: ______

Matrix: (soil/water) SOIL Lab Sample ID: 9762900V

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V8035.D

Level: (low/med) MED Date Received: 10/8/97

% Moisture: not dec. 4 Date Analyzed: 10/11/97

GC Column: HP-624 X 75M ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl chloride	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-09-2	Methylene chloride	650	U
75-35-4	1,1-Dichloroethene	650	U
75-34-3	1,1-Dichloroethane	650	U
156-60-65	trans-1,2-Dichloroethene	650	U
67-66-3	Chloroform	650	U
107-06-2	1,2-Dichloroethane	650	U
71-55-6	1,1,1-Trichloroethane	650	U
56-23-5	Carbon tetrachloride	650	U
75-27-4	Bromodichloromethane	650	U
78-87-5	1,2-Dichloropropane	650	U
10061-01-5	cis-1,3-Dichloropropene	650	U
79-01-6	Trichloroethene	650	U
124-48-1	Dibromochloromethane	650	U
79-00-5	1,1,2-Trichloroethane	650	U
71-43-2	Benzene	650	U
10061-02-6	trans-1,3-Dichloropropene	650	U
75-25-2	Bromoform	650	U
127-18-4	Tetrachloroethene	650	U
79-34-5	1,1,2,2-Tetrachloroethane	650	U
108-88-3	Toluene	650	U
108-90-7	Chlorobenzene	650	U
100-41-4	Ethylbenzene	650	U
108-38-3	Xylene (para & meta)	650	U
95-47-6	Xylene (ortho)	650	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762900V
GW-RS-14

Lab Name: EMSL ANALYTICAL Contract: ______

Project No. ______ Site: ______ Location: ______ Group: ______

Matrix: (soil/water) SOIL Lab Sample ID: 9762900V

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V8035.D

Level: (low/med) MED Date Received: 10/8/97

% Moisture: not dec. 4 Date Analyzed: 10/11/97

GC Column: HP-624 X 75M ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

Number TICs found: 7 (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	9.13	6500	J
2.	Unknown	9.88	1900	J
3.	Unknown	9.91	750	J
4.	Unknown	23.60	750	J
5.	Unknown	23.65	810	J
6. 2471-83-2	1H-Indene, 1-ethylidene-	25.85	1300	J
7.	Unknown	26.95	1700	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762900B

GW RS-14

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762900B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6762.D

Level: (low/med) LOW

Date Received:

% Moisture: 4

decanted: (Y/N): N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/13/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	21000	U
108-95-2	Phenol	21000	U
111-44-4	bis(2-Chloroethyl)ether	21000	U
95-57-8	2-Chlorophenol	21000	U
541-73-1	1,3-Dichlorobenzene	21000	U
106-46-7	1,4-Dichlorobenzene	21000	U
95-50-1	1,2-Dichlorobenzene	21000	U
108-60-1	bis(2-chloroisopropyl)ether	21000	U
621-64-7	N-Nitroso-Di-n-propylamine	21000	U
67-72-1	Hexachloroethane	21000	U
98-95-3	Nitrobenzene	21000	U
78-59-1	Isophorone	21000	U
88-75-5	2-Nitrophenol	21000	U
105-67-9	2,4-Dimethylphenol	21000	U
111-91-1	bis(2-Chloroethoxy)methane	21000	U
120-83-2	2,4-Dichlorophenol	21000	U
120-82-1	1,2,4-Trichlorobenzene	21000	U
91-20-3	Naphthalene	21000	U
87-68-3	Hexachlorobutadiene	21000	U
59-50-7	4-Chloro-3-methylphenol	21000	U
77-47-4	Hexachlorocyclopentadiene	21000	U
88-06-2	2,4,6-Trichlorophenol	21000	U
91-58-7	2-Chloronaphthalene	21000	U
131-11-3	Dimethylphthalate	21000	U
208-96-8	Acenaphthylene	21000	U
606-20-2	2,6-Dinitrotoluene	21000	U
83-32-9	Acenaphthene	21000	U
51-28-5	2,4-Dinitrophenol	52000	U
100-02-7	4-Nitrophenol	52000	U
121-14-2	2,4-Dinitrotoluene	21000	U
84-66-2	Diethylphthalate	21000	U
86-73-7	Fluorene	21000	U
7005-72-3	4-Chlorophenyl-phenylether	21000	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762900B

GN-RS-14

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762900B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6762.D

Level: (low/med) LOW

Date Received:

% Moisture: 4

decanted: (Y/N): N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/13/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	52000	U
86-30-6	n-Nitrosodiphenylamine	21000	U
122-66-7	1,2-Diphenylhydrazine(as azo)	21000	U
101-55-3	4-Bromophenyl-phenylether	21000	U
118-74-1	Hexachlorobenzene	21000	U
87-86-5	Pentachlorophenol	52000	U
85-01-08	Phenanthrene	18000	J
120-12-7	Anthracene	21000	U
84-74-2	Di-n-butylphthalate	27000	
206-44-0	Fluoranthene	21000	U
92-87-5	Benzidine	100000	U
129-00-0	Pyrene	21000	U
85-68-7	Butylbenzylphthalate	21000	U
56-55-3	Benzo[a]anthracene	21000	U
91-94-1	3,3'-Dichlorobenzidine	42000	U
218-01-9	Chrysene	21000	U
117-81-7	bis(2-Ethylhexyl)phthalate	21000	U
117-84-0	Di-n-octylphthalate	21000	U
205-99-2	Benzo[b]fluoranthene	21000	U
207-08-9	Benzo[k]fluoranthene	21000	U
50-32-8	Benzo[a]pyrene	21000	U
193-39-5	Indeno[1,2,3-cd]pyrene	21000	U
53-70-3	Dibenz[a,h]anthracene	21000	U
191-24-2	Benzo[g,h,i]perylene	21000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9762900B
GW-RS-14

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762900B
Sample wt/vol: 0.5 (g/mL) G
Lab File ID: B6762.D
Level: (low/med) LOW
Date Received:
% Moisture: 4
decanted: (Y/N) N
Date Extracted: 10/10/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/13/97
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N
pH:
Concentration Units: (ug/L or ug/Kg) ug/Kg
Number TICs found: 20

CAS Number	Compound Name	RT	Est. Conc	Q
1. 638-53-9	Tridecanoic acid	20.10	93000	J
2.	Unknown Hydrocarbon	20.12	110000	J
3.	Unknown Hydrocarbon	20.97	340000	J
4.	Unknown Hydrocarbon	21.47	420000	J
5.	Unknown Hydrocarbon	22.25	220000	J
6.	Unknown Hydrocarbon	22.27	220000	J
7.	Unknown Hydrocarbon	22.39	100000	J
8. 1002-84-2	Pentadecanoic acid	22.73	460000	J
9.	Unknown Hydrocarbon	23.49	380000	J
10. 57-10-3	Hexadecanoic acid	23.92	360000	J
11.	Unknown Hydrocarbon	24.11	150000	J
12.	Unknown Hydrocarbon	24.66	240000	J
13.	Unknown Hydrocarbon	24.76	110000	J
14. 112-95-8	Eicosane	25.32	130000	J
15.	Unknown Hydrocarbon	25.79	220000	J
16.	Unknown Hydrocarbon	27.00	150000	J
17.	Unknown Hydrocarbon	29.56	200000	J
18.	Unknown Hydrocarbon	31.80	87000	J
19.	Unknown	34.58	140000	J
20.	Unknown	35.92	180000	J
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1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GP-RS-14

Lab Name: EMSL ANALYTICAL Contract: ____

Lab Code: ____ Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) soil Lab Sample ID: 97-62900

Sample wt/vol: 1.0 (g/mL) g Lab File ID: D:OC04D342

% Moisture: 4 decanted: (Y/N) N Date Received: ____

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/15/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	1000	U
11104-28-2 -------	Aroclor-1221	1000	U
11141-16-5 -------	Aroclor-1232	1000	U
53469-21-9 -------	Aroclor-1242	1000	U
12672-29-6 -------	Aroclor-1248	1000	U
11097-69-1 -------	Aroclor-1254	16000	
11096-82-5 -------	Aroclor-1260	1000	U

U= Not detected

EMSL

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062901
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-WB-08

	Conc.	Unit
METALS		
Silver-RCRA	<4.7	mg/kg
Arsenic-RCRA	<9.4	mg/kg
Barium-RCRA	36	mg/kg
Cadmium-RCRA	2.8	mg/kg
Chromium-RCRA	5.3	mg/kg
Mercury-RCRA	0.43	mg/kg
Lead-RCRA	370	mg/kg
Selenium, RCRA	<0.46	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	160000	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762901V

GAN-WB-08

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762901V

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: V8049.D

Level: (low/med) LOW

Date Received: 10/8/97

% Moisture: not dec. NA

Date Analyzed: 10/11/97

GC Column: HP-624 X 75M ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl chloride	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-09-2	Methylene chloride	420	B
75-35-4	1,1-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
156-60-65	trans-1,2-Dichloroethene	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
127-18-4	Tetrachloroethene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
108-38-3	Xylene (para & meta)	25	U
95-47-6	Xylene (ortho)	25	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762901V
GN-WB-08

Lab Name: EMSL ANALYTICAL Contract: ________

Project No. ________ Site: ________ Location: ________ Group: ________

Matrix: (soil/water) SOIL Lab Sample ID: 9762901V

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V8049.D

Level: (low/med) LOW Date Received: 10/8/97

% Moisture: not dec. NA Date Analyzed: 10/11/97

GC Column: HP-624 X 75M ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Concentration Units:
Number TICs found: 7 (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	4.15	44	J
2.	Unknown	4.25	28	J
3.	Unknown Hydrocarbon	19.82	61	J
4.	Unknown	23.39	170	J
5.	Unknown	25.50	43	J
6.	Unknown	25.84	32	J
7.	Unknown	29.72	100	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762901B
GN-WB-08

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762901B
Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6819.D
Level: (low/med) LOW
Date Received:
% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/16/97
Injection Volume: 1.0 (uL)
Dilution Factor: 20.0
GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	400000	UD
108-95-2	Phenol	400000	UD
111-44-4	bis(2-Chloroethyl)ether	400000	UD
95-57-8	2-Chlorophenol	400000	UD
541-73-1	1,3-Dichlorobenzene	400000	UD
106-46-7	1,4-Dichlorobenzene	400000	UD
95-50-1	1,2-Dichlorobenzene	400000	UD
108-60-1	bis(2-chloroisopropyl)ether	400000	UD
621-64-7	N-Nitroso-Di-n-propylamine	400000	UD
67-72-1	Hexachloroethane	400000	UD
98-95-3	Nitrobenzene	400000	UD
78-59-1	Isophorone	400000	UD
88-75-5	2-Nitrophenol	400000	UD
105-67-9	2,4-Dimethylphenol	400000	UD
111-91-1	bis(2-Chloroethoxy)methane	400000	UD
120-83-2	2,4-Dichlorophenol	400000	UD
120-82-1	1,2,4-Trichlorobenzene	400000	UD
91-20-3	Naphthalene	390000	JD
87-68-3	Hexachlorobutadiene	400000	UD
59-50-7	4-Chloro-3-methylphenol	400000	UD
77-47-4	Hexachlorocyclopentadiene	400000	UD
88-06-2	2,4,6-Trichlorophenol	400000	UD
91-58-7	2-Chloronaphthalene	400000	UD
131-11-3	Dimethylphthalate	400000	UD
208-96-8	Acenaphthylene	400000	UD
606-20-2	2,6-Dinitrotoluene	400000	UD
83-32-9	Acenaphthene	1200000	D
51-28-5	2,4-Dinitrophenol	1000000	UD
100-02-7	4-Nitrophenol	1000000	UD
121-14-2	2,4-Dinitrotoluene	400000	UD
84-66-2	Diethylphthalate	400000	UD
86-73-7	Fluorene	960000	D
7005-72-3	4-Chlorophenyl-phenylether	400000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762901B

GN-WB-08

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762901B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6819.D

Level: (low/med) LOW

Date Received:

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000000	UD
86-30-6	n-Nitrosodiphenylamine	400000	UD
122-66-7	1,2-Diphenylhydrazine(as azo)	400000	UD
101-55-3	4-Bromophenyl-phenylether	400000	UD
118-74-1	Hexachlorobenzene	400000	UD
87-86-5	Pentachlorophenol	1000000	UD
85-01-08	Phenanthrene	7400000	D
120-12-7	Anthracene	1800000	D
84-74-2	Di-n-butylphthalate	400000	UD
206-44-0	Fluoranthene	7700000	D
92-87-5	Benzidine	2000000	UD
129-00-0	Pyrene	5800000	D
85-68-7	Butylbenzylphthalate	400000	UD
56-55-3	Benzo[a]anthracene	3400000	D
91-94-1	3,3'-Dichlorobenzidine	800000	UD
218-01-9	Chrysene	3300000	D
117-81-7	bis(2-Ethylhexyl)phthalate	400000	UD
117-84-0	Di-n-octylphthalate	400000	UD
205-99-2	Benzo[b]fluoranthene	2500000	D
207-08-9	Benzo[k]fluoranthene	2300000	D
50-32-8	Benzo[a]pyrene	2200000	D
193-39-5	Indeno[1,2,3-cd]pyrene	1900000	D
53-70-3	Dibenz[a,h]anthracene	1500000	D
191-24-2	Benzo[g,h,i]perylene	2700000	D

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9762901B
GN-WB-08

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762901B
Sample wt/vol: 0.5 (g/mL) G
Lab File ID: B6763.D
Level: (low/med) LOW
Date Received:
% Moisture: 0
decanted: (Y/N) N
Date Extracted: 10/10/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/13/97
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N
pH:
Number TICs found: 20
Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 4889-83-2	Bicyclo[3.1.1]hept-2-ene, 3,	5.66	130000	J
2. 3387-41-5	Bicyclo[3.1.0]hexane, 4-meth	6.82	80000	J
3. 91-57-6	Naphthalene, 2-methyl-	13.73	73000	J
4. 90-12-0	Naphthalene, 1-methyl-	14.02	45000	J
5. 575-37-1	Naphthalene, 1,7-dimethyl-	15.92	25000	J
6. 132-64-9	Dibenzofuran	17.52	41000	J
7. 644-08-6	1,1'-Biphenyl, 4-methyl-	18.82	22000	J
8. 7320-53-8	Dibenzofuran, 4-methyl-	19.12	19000	J
9. 86-74-8	Carbazole	22.36	13000	J
10.	Unknown Hydrocarbon	23.88	11000	J
11. 243-42-5	Benzo[b]naphtho[2,3-d]furan	25.74	83000	J
12.	Unknown Hydrocarbon	25.86	18000	J
13.	Unknown Hydrocarbon	26.02	15000	J
14. 3442-78-2	Pyrene, 2-methyl-	26.68	29000	J
15.	Unknown Hydrocarbon	26.85	25000	J
16.	Unknown Hydrocarbon	26.91	17000	J
17. 217-59-4	Triphenylene	28.54	20000	J
18.	Unknown Hydrocarbon	28.88	14000	J
19.	Unknown Hydrocarbon	32.82	12000	J
20. 192-97-2	Benzo[e]pyrene	32.98	80000	J
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1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.
GW-WB-08

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) misc. Lab Sample ID: 97-62901

Sample wt/vol: 0.5 (g/mL) g Lab File ID: D:OC04D343

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	2000	U
11104-28-2	Aroclor-1221	2000	U
11141-16-5	Aroclor-1232	2000	U
53469-21-9	Aroclor-1242	2000	U
12672-29-6	Aroclor-1248	2000	U
11097-69-1	Aroclor-1254	2000	U
11096-82-5	Aroclor-1260	18000	

U= Not detected

EMSL

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062902
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-WB-09

	Conc.	Unit
METALS		
Silver-RCRA	<4.7	mg/kg
Arsenic-RCRA	<9.4	mg/kg
Barium-RCRA	280	mg/kg
Cadmium-RCRA	15	mg/kg
Chromium-RCRA	24	mg/kg
Mercury-RCRA	32	mg/kg
Lead-RCRA	180	mg/kg
Selenium, RCRA	<0.46	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	270000	mg/kg
Volatiles		
TPH as Gasoline	18	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762902V
GW-WB-09

Lab Name: EMSL ANALYTICAL Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: 9762902V

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V8026.D

Level: (low/med) MED Date Received: 10/8/97

% Moisture: not dec. NA Date Analyzed: 10/10/97

GC Column: HP-624 X 75M ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl chloride	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-09-2	Methylene chloride	500	JB
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-65	trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
71-55-6	1,1,1-Trichloroethane	630	U
56-23-5	Carbon tetrachloride	630	U
75-27-4	Bromodichloromethane	630	U
78-87-5	1,2-Dichloropropane	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-02-6	trans-1,3-Dichloropropene	630	U
75-25-2	Bromoform	630	U
127-18-4	Tetrachloroethene	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	630	U
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
108-38-3	Xylene (para & meta)	630	U
95-47-6	Xylene (ortho)	630	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762902V
BM-WB·09

Lab Name: EMSL ANALYTICAL   Contract: ____

Project No. ____   Site: ____   Location: ____   Group: ____

Matrix: (soil/water) SOIL   Lab Sample ID: 9762902V

Sample wt/vol: 4.0 (g/mL) G   Lab File ID: V8026.D

Level: (low/med) MED   Date Received: 10/8/97

% Moisture: not dec. NA   Date Analyzed: 10/10/97

GC Column: HP-624 X 75M   ID: 0.53 (mm)   Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL)   Soil Aliquot Volume: 100 (uL)

Concentration Units:

Number TICs found: 9   (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 80-56-8	.alpha.-Pinene	16.93	25000	J
2. 79-92-5	Camphene	17.41	3300	J
3. 18172-67-3	Bicyclo[3.1.1]heptane, 6,6-d	18.12	3300	J
4. 138-86-3	Limonene	19.22	7000	J
5.	Unknown	22.29	2100	J
6.	Unknown	23.44	69000	J
7. 270-63-3	Cyclopenta[c]thiapyran	23.62	5300	J
8. 2471-83-2	1H-Indene, 1-ethylidene-	25.52	30000	J
9.	Unknown	26.97	6600	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762902B

GN-WB-09

Lab Name: EMSL ANALYTICAL

Contract: ____

Project No.: ____

Site: ____

Location: ____

Group: ____

Matrix: (soil/water) SOIL

Lab Sample ID: 9762902B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6820.D

Level: (low/med) LOW

Date Received: ____

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH: ____

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	400000	UD
108-95-2	Phenol	400000	UD
111-44-4	bis(2-Chloroethyl)ether	400000	UD
95-57-8	2-Chlorophenol	400000	UD
541-73-1	1,3-Dichlorobenzene	400000	UD
106-46-7	1,4-Dichlorobenzene	400000	UD
95-50-1	1,2-Dichlorobenzene	400000	UD
108-60-1	bis(2-chloroisopropyl)ether	400000	UD
621-64-7	N-Nitroso-Di-n-propylamine	400000	UD
67-72-1	Hexachloroethane	400000	UD
98-95-3	Nitrobenzene	400000	UD
78-59-1	Isophorone	400000	UD
88-75-5	2-Nitrophenol	400000	UD
105-67-9	2,4-Dimethylphenol	400000	UD
111-91-1	bis(2-Chloroethoxy)methane	400000	UD
120-83-2	2,4-Dichlorophenol	400000	UD
120-82-1	1,2,4-Trichlorobenzene	400000	UD
91-20-3	Naphthalene	830000	D
87-68-3	Hexachlorobutadiene	400000	UD
59-50-7	4-Chloro-3-methylphenol	400000	UD
77-47-4	Hexachlorocyclopentadiene	400000	UD
88-06-2	2,4,6-Trichlorophenol	400000	UD
91-58-7	2-Chloronaphthalene	400000	UD
131-11-3	Dimethylphthalate	400000	UD
208-96-8	Acenaphthylene	400000	UD
606-20-2	2,6-Dinitrotoluene	400000	UD
83-32-9	Acenaphthene	1100000	D
51-28-5	2,4-Dinitrophenol	1000000	UD
100-02-7	4-Nitrophenol	1000000	UD
121-14-2	2,4-Dinitrotoluene	400000	UD
84-66-2	Diethylphthalate	400000	UD
86-73-7	Fluorene	790000	D
7005-72-3	4-Chlorophenyl-phenylether	400000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762902B

GN-WB-09

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762902B

Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6820.D

Level: (low/med) LOW
Date Received:

% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)
Dilution Factor: 20.0

GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000000	UD
86-30-6	n-Nitrosodiphenylamine	400000	UD
122-66-7	1,2-Diphenylhydrazine(as azo)	400000	UD
101-55-3	4-Bromophenyl-phenylether	400000	UD
118-74-1	Hexachlorobenzene	400000	UD
87-86-5	Pentachlorophenol	1000000	UD
85-01-08	Phenanthrene	5100000	D
120-12-7	Anthracene	1300000	D
84-74-2	Di-n-butylphthalate	400000	UD
206-44-0	Fluoranthene	5200000	D
92-87-5	Benzidine	2000000	UD
129-00-0	Pyrene	4100000	D
85-68-7	Butylbenzylphthalate	400000	UD
56-55-3	Benzo[a]anthracene	2000000	D
91-94-1	3,3'-Dichlorobenzidine	800000	UD
218-01-9	Chrysene	2100000	D
117-81-7	bis(2-Ethylhexyl)phthalate	400000	UD
117-84-0	Di-n-octylphthalate	400000	UD
205-99-2	Benzo[b]fluoranthene	1800000	D
207-08-9	Benzo[k]fluoranthene	1300000	D
50-32-8	Benzo[a]pyrene	1500000	D
193-39-5	Indeno[1,2,3-cd]pyrene	1500000	D
53-70-3	Dibenz[a,h]anthracene	1100000	D
191-24-2	Benzo[g,h,i]perylene	2000000	D

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9762902B
GN-WB-09

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762902B

Sample wt/vol: 0.5 (g/mL) G
Lab File ID: B6764.D

Level: (low/med) LOW
Date Received:

% Moisture: 0
decanted: (Y/N) N
Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/13/97

Injection Volume: 1.0 (uL)
Dilution Factor: 1.0

GPC Cleanup: (Y/N) N
pH:

Concentration Units: (ug/L or ug/Kg) ug/Kg

Number TICs found: 20

CAS Number	Compound Name	RT	Est. Conc	Q
1. 91-57-6	Naphthalene, 2-methyl-	13.72	39000	J
2. 90-12-0	Naphthalene, 1-methyl-	14.00	24000	J
3. 575-37-1	Naphthalene, 1,7-dimethyl-	15.88	19000	J
4. 132-64-9	Dibenzofuran	17.49	54000	J
5.	Unknown	22.32	18000	J
6. 612-94-2	Naphthalene, 2-phenyl-	23.84	13000	J
7. 2091-29-4	9-Hexadecenoic acid	25.94	97000	J
8. 243-42-5	Benzo[b]naphtho[2,3-d]furan	25.98	64000	J
9. 206-56-4	Indeno(1,2,3-ij)isoquinoline	26.03	24000	J
10. 57-11-4	Octadecanoic acid	26.13	30000	J
11.	Unknown Hydrocarbon	26.23	20000	J
12. 629-78-7	Heptadecane	26.39	17000	J
13. 3442-78-2	Pyrene, 2-methyl-	26.64	40000	J
14. 243-17-4	11H-Benzo[b]fluorene	26.83	40000	J
15. 2381-21-7	Pyrene, 1-methyl-	26.89	14000	J
16.	Unknown Hydrocarbon	26.99	14000	J
17.	Unknown Hydrocarbon	26.99	12000	J
18. 217-59-4	Triphenylene	28.53	29000	J
19.	Unknown Hydrocarbon	32.80	12000	J
20. 192-97-2	Benzo[e]pyrene	32.94	75000	J
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1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-WB-09

Lab Name: EMSL ANALYTICAL Contract: ____

Lab Code: ____ Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) misc. Lab Sample ID: 97-62902

Sample wt/vol: 0.5 (g/mL) g Lab File ID: D:OC04D344

% Moisture: N/A decanted: (Y/N) N Date Received: ____

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062903
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-WB-10

	Conc.	Unit
METALS		
Silver-RCRA	<5.0	mg/kg
Arsenic-RCRA	<9.9	mg/kg
Barium-RCRA	<20	mg/kg
Cadmium-RCRA	<2.0	mg/kg
Chromium-RCRA	<5.0	mg/kg
Mercury-RCRA	0.39	mg/kg
Lead-RCRA	<20	mg/kg
Selenium, RCRA	<0.47	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	89000	mg/kg
Volatiles		
TPH as Gasoline	13	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762903V

GW-WB-1D

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762903V

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: V8027.D

Level: (low/med) MED

Date Received: 10/8/97

% Moisture: not dec. NA

Date Analyzed: 10/10/97

GC Column: HP-624 X 75M ID: 0.53 (mm)

Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl chloride	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-09-2	Methylene chloride	370	JB
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-65	trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
71-55-6	1,1,1-Trichloroethane	630	U
56-23-5	Carbon tetrachloride	630	U
75-27-4	Bromodichloromethane	630	U
78-87-5	1,2-Dichloropropane	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-02-6	trans-1,3-Dichloropropene	630	U
75-25-2	Bromoform	630	U
127-18-4	Tetrachloroethene	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	1900	
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
108-38-3	Xylene (para & meta)	910	
95-47-6	Xylene (ortho)	680	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9762903V
GW-WB-1D

Lab Name: EMSL ANALYTICAL Contract:

Project No. Site: Location: Group:

Matrix: (soil/water) SOIL Lab Sample ID: 9762903V

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V8027.D

Level: (low/med) MED Date Received: 10/8/97

% Moisture: not dec. NA Date Analyzed: 10/10/97

GC Column: HP-624 X 75M ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

Number TICs found: 10 (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 80-56-8	.alpha.-Pinene	16.92	5700	J
2.	Unknown	17.40	1400	J
3. 127-91-3	.beta.-Pinene	18.11	1100	J
4. 17059-52-8	Benzofuran, 7-methyl-	21.52	920	J
5.	Unknown	23.42	74000	J
6. 270-82-6	Benzo[c]thiophene	23.63	6100	J
7. 2471-83-2	1H-Indene, 1-ethylidene-	25.86	16000	J
8. 92-52-4	Biphenyl	26.96	8100	J
9. 643-93-6	1,1'-Biphenyl, 3-methyl-	29.25	910	J
10.	Unknown	29.73	8600	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762903B
GW-WB-10

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762903B
Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6821.D
Level: (low/med) LOW
Date Received:
% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/16/97
Injection Volume: 1.0 (uL)
Dilution Factor: 20.0
GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	400000	UD
108-95-2	Phenol	400000	UD
111-44-4	bis(2-Chloroethyl)ether	400000	UD
95-57-8	2-Chlorophenol	400000	UD
541-73-1	1,3-Dichlorobenzene	400000	UD
106-46-7	1,4-Dichlorobenzene	400000	UD
95-50-1	1,2-Dichlorobenzene	400000	UD
108-60-1	bis(2-chloroisopropyl)ether	400000	UD
621-64-7	N-Nitroso-Di-n-propylamine	400000	UD
67-72-1	Hexachloroethane	400000	UD
98-95-3	Nitrobenzene	400000	UD
78-59-1	Isophorone	400000	UD
88-75-5	2-Nitrophenol	400000	UD
105-67-9	2,4-Dimethylphenol	400000	UD
111-91-1	bis(2-Chloroethoxy)methane	400000	UD
120-83-2	2,4-Dichlorophenol	400000	UD
120-82-1	1,2,4-Trichlorobenzene	400000	UD
91-20-3	Naphthalene	65000	JD
87-68-3	Hexachlorobutadiene	400000	UD
59-50-7	4-Chloro-3-methylphenol	400000	UD
77-47-4	Hexachlorocyclopentadiene	400000	UD
88-06-2	2,4,6-Trichlorophenol	400000	UD
91-58-7	2-Chloronaphthalene	400000	UD
131-11-3	Dimethylphthalate	400000	UD
208-96-8	Acenaphthylene	400000	UD
606-20-2	2,6-Dinitrotoluene	400000	UD
83-32-9	Acenaphthene	140000	JD
51-28-5	2,4-Dinitrophenol	1000000	UD
100-02-7	4-Nitrophenol	1000000	UD
121-14-2	2,4-Dinitrotoluene	400000	UD
84-66-2	Diethylphthalate	400000	UD
86-73-7	Fluorene	130000	JD
7005-72-3	4-Chlorophenyl-phenylether	400000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762903B

GW-WB-10

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762903B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6821.D

Level: (low/med) LOW

Date Received:

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000000	UD
86-30-6	n-Nitrosodiphenylamine	400000	UD
122-66-7	1,2-Diphenylhydrazine(as azo)	400000	UD
101-55-3	4-Bromophenyl-phenylether	400000	UD
118-74-1	Hexachlorobenzene	400000	UD
87-86-5	Pentachlorophenol	1000000	UD
85-01-08	Phenanthrene	1100000	D
120-12-7	Anthracene	250000	JD
84-74-2	Di-n-butylphthalate	400000	UD
206-44-0	Fluoranthene	1100000	D
92-87-5	Benzidine	2000000	UD
129-00-0	Pyrene	800000	D
85-68-7	Butylbenzylphthalate	400000	UD
56-55-3	Benzo[a]anthracene	350000	JD
91-94-1	3,3'-Dichlorobenzidine	800000	UD
218-01-9	Chrysene	440000	D
117-81-7	bis(2-Ethylhexyl)phthalate	400000	UD
117-84-0	Di-n-octylphthalate	400000	UD
205-99-2	Benzo[b]fluoranthene	250000	JD
207-08-9	Benzo[k]fluoranthene	280000	JD
50-32-8	Benzo[a]pyrene	260000	JD
193-39-5	Indeno[1,2,3-cd]pyrene	160000	JD
53-70-3	Dibenz[a,h]anthracene	400000	UD
191-24-2	Benzo[g,h,i]perylene	170000	JD

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762903B

GD-WB10

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762903B

Sample wt/vol: 0.5 (g/mL) G
Lab File ID: B6765.D

Level: (low/med) LOW
Date Received:

% Moisture: 0
decanted: (Y/N) N
Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/13/97

Injection Volume: 1.0 (uL)
Dilution Factor: 1.0

GPC Cleanup: (Y/N) N
pH:

Concentration Units: (ug/L or ug/Kg) ug/Kg

Number TICs found: 20

CAS Number	Compound Name	RT	Est. Conc	Q
1. 132-64-9	Dibenzofuran	17.37	39000	J
2. 629-50-5	Tridecane	18.67	32000	J
3. 629-78-7	Heptadecane	25.25	170000	J
4.	Unknown Hydrocarbon	25.68	48000	J
5. 243-42-5	Benzo[b]naphtho[2,3-d]furan	25.74	36000	J
6. 112-80-1	Oleic Acid	25.82	100000	J
7.	Unknown Hydrocarbon	25.95	34000	J
8.	Unknown Hydrocarbon	26.05	100000	J
9. 593-45-3	Octadecane	26.38	120000	J
10. 238-84-6	11H-Benzo[a]fluorene	26.56	30000	J
11. 243-17-4	11H-Benzo[b]fluorene	26.58	33000	J
12.	Unknown Hydrocarbon	26.75	33000	J
13. 544-76-3	Hexadecane	27.45	76000	J
14. 82-05-3	7H-Benz[de]anthracen-7-one	28.12	28000	J
15.	Unknown Hydrocarbon	28.50	78000	J
16.	Unknown Hydrocarbon	29.52	85000	J
17. 646-31-1	Tetracosane	30.49	52000	J
18.	Unknown Hydrocarbon	31.42	100000	J
19. 192-97-2	Benzo[e]pyrene	32.88	45000	J
20.	Unknown Hydrocarbon	33.21	58000	J
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1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-WB-10

Lab Name: EMSL ANALYTICAL
Contract:

Lab Code:
Case No.:
SAS No.:
SDG No.:

Matrix: (soil/water) misc.
Lab Sample ID: 97-62903

Sample wt/vol: 0.5 (g/mL) g
Lab File ID: D:OC04D345

% Moisture: N/A
decanted: (Y/N) N
Date Received:

Extraction: (SepF/Cont/Sonc) Sonc
Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml)
Date Analyzed: 10/16/97

Injection Volume: 1 (uL)
Dilution Factor: 1

GPC Cleanup: (Y/N) N
pH:
Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	10000	
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062904
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-WB-11

	Conc.	Unit
METALS		
Silver-RCRA	<4.7	mg/kg
Arsenic-RCRA	<9.4	mg/kg
Barium-RCRA	60	mg/kg
Cadmium-RCRA	<1.9	mg/kg
Chromium-RCRA	8.4	mg/kg
Mercury-RCRA	<0.10	mg/kg
Lead-RCRA	99	mg/kg
Selenium, RCRA	<0.45	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	270000	mg/kg
Volatiles		
TPH as Gasoline	44	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762904V
GP-WB-11

Lab Name: EMSL ANALYTICAL Contract: ______

Project No.: ______ Site: ______ Location: ______ Group: ______

Matrix: (soil/water) SOIL Lab Sample ID: 9762904V

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V8028.D

Level: (low/med) MED Date Received: 10/8/97

% Moisture: not dec. NA Date Analyzed: 10/10/97

GC Column: HP-624 X 75M ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl chloride	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-09-2	Methylene chloride	330	JB
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-65	trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
71-55-6	1,1,1-Trichloroethane	630	U
56-23-5	Carbon tetrachloride	630	U
75-27-4	Bromodichloromethane	630	U
78-87-5	1,2-Dichloropropane	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-02-6	trans-1,3-Dichloropropene	630	U
75-25-2	Bromoform	630	U
127-18-4	Tetrachloroethene	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	1100	
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	370	J
108-38-3	Xylene (para & meta)	1300	
95-47-6	Xylene (ortho)	660	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762904V

GW-WB-11

Lab Name: EMSL ANALYTICAL
Contract:
Project No.
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762904V
Sample wt/vol: 4.0 (g/mL) G
Lab File ID: V8028.D
Level: (low/med) MED
Date Received: 10/8/97
% Moisture: not dec. NA
Date Analyzed: 10/10/97
GC Column: HP-624 X 75M
ID: 0.53 (mm)
Dilution Factor: 125.0
Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 14

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	16.94	67000	J
2.	Unknown	16.96	56000	J
3. 29548-02-5	1,3,6-Heptatriene, 2,5,5-tri	17.40	73000	J
4. 99-83-2	.alpha.-Phellandrene	18.68	17000	J
5. 99-86-5	1,3-Cyclohexadiene, 1-methyl	18.98	49000	J
6. 138-86-3	Limonene	19.24	110000	J
7.	Unknown	19.79	7700	J
8. 586-62-9	Cyclohexene, 1-methyl-4-(1-m	20.50	15000	J
9. 2217-02-9	Bicyclo[2.2.1]heptan-2-ol, 1	21.99	7900	J
10. 140-67-0	Benzene, 1-methoxy-4-(2-prop	23.25	13000	J
11.	Unknown	23.41	32000	J
12.	Unknown	23.44	65000	J
13. 270-82-6	Benzo[c]thiophene	23.62	11000	J
14. 2471-83-2	1H-Indene, 1-ethylidene-	25.53	31000	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762904B

GU-WB-11

Lab Name: EMSL ANALYTICAL
Contract: ______

Project No.: ______
Site: ______
Location: ______
Group: ______

Matrix: (soil/water) SOIL
Lab Sample ID: 9762904B

Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6822.D

Level: (low/med) LOW
Date Received: ______

% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)
Dilution Factor: 20.0

GPC Cleanup: (Y/N) N
pH: ______
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	400000	UD
108-95-2	Phenol	400000	UD
111-44-4	bis(2-Chloroethyl)ether	400000	UD
95-57-8	2-Chlorophenol	400000	UD
541-73-1	1,3-Dichlorobenzene	400000	UD
106-46-7	1,4-Dichlorobenzene	400000	UD
95-50-1	1,2-Dichlorobenzene	400000	UD
108-60-1	bis(2-chloroisopropyl)ether	400000	UD
621-64-7	N-Nitroso-Di-n-propylamine	400000	UD
67-72-1	Hexachloroethane	400000	UD
98-95-3	Nitrobenzene	400000	UD
78-59-1	Isophorone	400000	UD
88-75-5	2-Nitrophenol	400000	UD
105-67-9	2,4-Dimethylphenol	400000	UD
111-91-1	bis(2-Chloroethoxy)methane	400000	UD
120-83-2	2,4-Dichlorophenol	400000	UD
120-82-1	1,2,4-Trichlorobenzene	400000	UD
91-20-3	Naphthalene	1000000	D
87-68-3	Hexachlorobutadiene	400000	UD
59-50-7	4-Chloro-3-methylphenol	400000	UD
77-47-4	Hexachlorocyclopentadiene	400000	UD
88-06-2	2,4,6-Trichlorophenol	400000	UD
91-58-7	2-Chloronaphthalene	400000	UD
131-11-3	Dimethylphthalate	400000	UD
208-96-8	Acenaphthylene	400000	UD
606-20-2	2,6-Dinitrotoluene	400000	UD
83-32-9	Acenaphthene	1000000	D
51-28-5	2,4-Dinitrophenol	1000000	UD
100-02-7	4-Nitrophenol	1000000	UD
121-14-2	2,4-Dinitrotoluene	400000	UD
84-66-2	Diethylphthalate	400000	UD
86-73-7	Fluorene	860000	D
7005-72-3	4-Chlorophenyl-phenylether	400000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762904B
GN-WB-11

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762904B

Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6822.D

Level: (low/med) LOW
Date Received:

% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)
Dilution Factor: 20.0

GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000000	UD
86-30-6	n-Nitrosodiphenylamine	400000	UD
122-66-7	1,2-Diphenylhydrazine(as azo)	400000	UD
101-55-3	4-Bromophenyl-phenylether	400000	UD
118-74-1	Hexachlorobenzene	400000	UD
87-86-5	Pentachlorophenol	1000000	UD
85-01-08	Phenanthrene	4900000	D
120-12-7	Anthracene	1500000	D
84-74-2	Di-n-butylphthalate	400000	UD
206-44-0	Fluoranthene	5100000	D
92-87-5	Benzidine	2000000	UD
129-00-0	Pyrene	4300000	D
85-68-7	Butylbenzylphthalate	400000	UD
56-55-3	Benzo[a]anthracene	2300000	D
91-94-1	3,3'-Dichlorobenzidine	800000	UD
218-01-9	Chrysene	2000000	D
117-81-7	bis(2-Ethylhexyl)phthalate	400000	UD
117-84-0	Di-n-octylphthalate	400000	UD
205-99-2	Benzo[b]fluoranthene	1700000	D
207-08-9	Benzo[k]fluoranthene	1500000	D
50-32-8	Benzo[a]pyrene	1400000	D
193-39-5	Indeno[1,2,3-cd]pyrene	1300000	D
53-70-3	Dibenz[a,h]anthracene	1100000	D
191-24-2	Benzo[g,h,i]perylene	2000000	D

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9762904B
GW-WB-11

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762904B
Sample wt/vol: 0.5 (g/mL) G
Lab File ID: B6766.D
Level: (low/med) LOW
Date Received:
% Moisture: 0
decanted: (Y/N) N
Date Extracted: 10/10/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/14/97
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N
pH:
Concentration Units: (ug/L or ug/Kg) ug/Kg
Number TICs found: 20

CAS Number	Compound Name	RT	Est. Conc	Q
1. 4889-83-2	Bicyclo[3.1.1]hept-2-ene, 3,	5.64	72000	J
2. 535-77-3	Benzene, 1-methyl-3-(1-methy	8.15	47000	J
3.	Unknown Hydrocarbon	11.87	29000	J
4. 10482-56-1	3-Cyclohexene-1-methanol, .a	11.93	37000	J
5. 91-57-6	Naphthalene, 2-methyl-	13.71	37000	J
6. 132-64-9	Dibenzofuran	17.48	69000	J
7. 605-02-7	Naphthalene, 1-phenyl-	25.66	86000	J
8. 243-42-5	Benzo[b]naphtho[2,3-d]furan	25.79	33000	J
9.	Unknown Hydrocarbon	25.85	33000	J
10.	Unknown Hydrocarbon	25.97	43000	J
11.	Unknown Hydrocarbon	26.10	32000	J
12. 629-97-0	Docosane	26.40	42000	J
13. 3442-78-2	Pyrene, 2-methyl-	26.63	59000	J
14.	Unknown Hydrocarbon	26.75	33000	J
15. 238-84-6	11H-Benzo[a]fluorene	26.82	36000	J
16. 593-49-7	Heptacosane	27.47	39000	J
17. 1235-74-1	1-Phenanthrenecarboxylic aci	28.01	36000	J
18.	Unknown Hydrocarbon	28.52	32000	J
19.	Unknown Hydrocarbon	28.73	51000	J
20.	Unknown Hydrocarbon	28.89	77000	J
21.				
22.				
23.				
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1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GU-WB-11

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) misc. Lab Sample ID: 97-62904

Sample wt/vol: 0.5 (g/mL) g Lab File ID: D:OC04D350

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062905
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-WB-12

	Conc.	Unit
METALS		
Silver-RCRA	<4.9	mg/kg
Arsenic-RCRA	<9.8	mg/kg
Barium-RCRA	<20	mg/kg
Cadmium-RCRA	<2.0	mg/kg
Chromium-RCRA	<4.9	mg/kg
Mercury-RCRA	0.93	mg/kg
Lead-RCRA	200	mg/kg
Selenium, RCRA	<0.50	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	120000	mg/kg
Volatiles		
TPH as Gasoline	34	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762905V
GW-WB-V2

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762905V
Sample wt/vol: 4.0 (g/mL) G
Lab File ID: V8029.D
Level: (low/med) MED
Date Received: 10/8/97
% Moisture: not dec. NA
Date Analyzed: 10/10/97
GC Column: HP-624 X 75M ID: 0.53 (mm)
Dilution Factor: 125.0
Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl chloride	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-09-2	Methylene chloride	340	JB
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-65	trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
71-55-6	1,1,1-Trichloroethane	630	U
56-23-5	Carbon tetrachloride	630	U
75-27-4	Bromodichloromethane	630	U
78-87-5	1,2-Dichloropropane	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-02-6	trans-1,3-Dichloropropene	630	U
75-25-2	Bromoform	630	U
127-18-4	Tetrachloroethene	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	630	U
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
108-38-3	Xylene (para & meta)	320	J
95-47-6	Xylene (ortho)	630	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762905V

G12-WB-12

Lab Name: EMSL ANALYTICAL

Contract:

Project No.

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762905V

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: V8029.D

Level: (low/med) MED

Date Received: 10/8/97

% Moisture: not dec. NA

Date Analyzed: 10/10/97

GC Column: HP-624 X 75M ID: 0.53 (mm)

Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

Number TICs found: 9

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 80-56-8	.alpha.-Pinene	16.92	49000	J
2.	Unknown	17.40	2400	J
3. 18172-67-3	Bicyclo[3.1.1]heptane, 6,6-d	18.11	14000	J
4. 138-86-3	Limonene	19.23	3500	J
5. 535-77-3	Benzene, 1-methyl-3-(1-methy	19.30	3000	J
6. 496-11-7	Indane	19.81	2100	J
7. 275-51-4	Azulene	23.43	42000	J
8. 270-82-6	Benzo[c]thiophene	23.64	4600	J
9.	Unknown	26.96	3300	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762905B

GN-WB-12

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762905B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6823.D

Level: (low/med) LOW

Date Received:

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	400000	UD
108-95-2	Phenol	400000	UD
111-44-4	bis(2-Chloroethyl)ether	400000	UD
95-57-8	2-Chlorophenol	400000	UD
541-73-1	1,3-Dichlorobenzene	400000	UD
106-46-7	1,4-Dichlorobenzene	400000	UD
95-50-1	1,2-Dichlorobenzene	400000	UD
108-60-1	bis(2-chloroisopropyl)ether	400000	UD
621-64-7	N-Nitroso-Di-n-propylamine	400000	UD
67-72-1	Hexachloroethane	400000	UD
98-95-3	Nitrobenzene	400000	UD
78-59-1	Isophorone	400000	UD
88-75-5	2-Nitrophenol	400000	UD
105-67-9	2,4-Dimethylphenol	400000	UD
111-91-1	bis(2-Chloroethoxy)methane	400000	UD
120-83-2	2,4-Dichlorophenol	400000	UD
120-82-1	1,2,4-Trichlorobenzene	400000	UD
91-20-3	Naphthalene	340000	JD
87-68-3	Hexachlorobutadiene	400000	UD
59-50-7	4-Chloro-3-methylphenol	400000	UD
77-47-4	Hexachlorocyclopentadiene	400000	UD
88-06-2	2,4,6-Trichlorophenol	400000	UD
91-58-7	2-Chloronaphthalene	400000	UD
131-11-3	Dimethylphthalate	400000	UD
208-96-8	Acenaphthylene	400000	UD
606-20-2	2,6-Dinitrotoluene	400000	UD
83-32-9	Acenaphthene	590000	D
51-28-5	2,4-Dinitrophenol	1000000	UD
100-02-7	4-Nitrophenol	1000000	UD
121-14-2	2,4-Dinitrotoluene	400000	UD
84-66-2	Diethylphthalate	400000	UD
86-73-7	Fluorene	570000	D
7005-72-3	4-Chlorophenyl-phenylether	400000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762905B
GW-WB-12

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762905B

Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6823.D

Level: (low/med) LOW
Date Received:

% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)
Dilution Factor: 20.0

GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

Concentration Units:
(ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000000	UD
86-30-6	n-Nitrosodiphenylamine	400000	UD
122-66-7	1,2-Diphenylhydrazine(as azo)	400000	UD
101-55-3	4-Bromophenyl-phenylether	400000	UD
118-74-1	Hexachlorobenzene	400000	UD
87-86-5	Pentachlorophenol	1000000	UD
85-01-08	Phenanthrene	4300000	D
120-12-7	Anthracene	1100000	D
84-74-2	Di-n-butylphthalate	400000	UD
206-44-0	Fluoranthene	4400000	D
92-87-5	Benzidine	2000000	UD
129-00-0	Pyrene	3900000	D
85-68-7	Butylbenzylphthalate	400000	UD
56-55-3	Benzo[a]anthracene	1700000	D
91-94-1	3,3'-Dichlorobenzidine	800000	UD
218-01-9	Chrysene	1600000	D
117-81-7	bis(2-Ethylhexyl)phthalate	400000	UD
117-84-0	Di-n-octylphthalate	400000	UD
205-99-2	Benzo[b]fluoranthene	1100000	D
207-08-9	Benzo[k]fluoranthene	1400000	D
50-32-8	Benzo[a]pyrene	1200000	D
193-39-5	Indeno[1,2,3-cd]pyrene	750000	D
53-70-3	Dibenz[a,h]anthracene	610000	D
191-24-2	Benzo[g,h,i]perylene	1200000	D

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9762905B
G7N- WB-12

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762905B

Sample wt/vol: 0.5 (g/mL) G
Lab File ID: B6767.D

Level: (low/med) LOW
Date Received:

% Moisture: 0
decanted: (Y/N) N
Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/14/97

Injection Volume: 1.0 (uL)
Dilution Factor: 1.0

GPC Cleanup: (Y/N) N
pH:

Concentration Units: (ug/L or ug/Kg) ug/Kg

Number TICs found: 20

CAS Number	Compound Name	RT	Est. Conc	Q
1. 91-57-6	Naphthalene, 2-methyl-	13.74	35000	J
2. 132-64-9	Dibenzofuran	17.51	46000	J
3. 629-50-5	Tridecane	18.79	30000	J
4. 629-59-4	Tetradecane	20.28	25000	J
5. 544-76-3	Hexadecane	25.42	140000	J
6.	Unknown Hydrocarbon	25.97	60000	J
7.	Unknown Hydrocarbon	26.19	40000	J
8. 593-45-3	Octadecane	26.52	98000	J
9. 629-62-9	Pentadecane	26.89	61000	J
10. 629-78-7	Heptadecane	27.57	75000	J
11.	Unknown Hydrocarbon	27.73	48000	J
12.	Unknown Hydrocarbon	27.96	37000	J
13. 1560-96-9	Tridecane, 2-methyl-	28.61	71000	J
14. 217-59-4	Triphenylene	29.17	40000	J
15.	Unknown Hydrocarbon	29.58	76000	J
16.	Unknown Hydrocarbon	30.09	28000	J
17.	Unknown Hydrocarbon	30.54	52000	J
18.	Unknown Hydrocarbon	31.07	26000	J
19.	Unknown Hydrocarbon	31.48	39000	J
20.	Unknown Hydrocarbon	31.79	32000	J
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1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-WB-12

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) misc. Lab Sample ID: 97-62905

Sample wt/vol: 0.5 (g/mL) g Lab File ID: D:OC04D351

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062906
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-WB-13

	Conc.	Unit
METALS		
Silver-RCRA	<4.9	mg/kg
Arsenic-RCRA	<9.9	mg/kg
Barium-RCRA	82	mg/kg
Cadmium-RCRA	2.3	mg/kg
Chromium-RCRA	23	mg/kg
Mercury-RCRA	0.77	mg/kg
Lead-RCRA	1100	mg/kg
Selenium, RCRA	<0.49	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	170000	mg/kg
Volatiles		
TPH as Gasoline	24	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762906V
GW-WB-13

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762906V

Sample wt/vol: 4.0 (g/mL) G
Lab File ID: V8030.D

Level: (low/med) MED
Date Received: 10/8/97

% Moisture: not dec. NA
Date Analyzed: 10/10/97

GC Column: HP-624 X 75M ID: 0.53 (mm)
Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl chloride	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-09-2	Methylene chloride	360	JB
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-65	trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
71-55-6	1,1,1-Trichloroethane	630	U
56-23-5	Carbon tetrachloride	630	U
75-27-4	Bromodichloromethane	630	U
78-87-5	1,2-Dichloropropane	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-02-6	trans-1,3-Dichloropropene	630	U
75-25-2	Bromoform	630	U
127-18-4	Tetrachloroethene	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	630	U
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
108-38-3	Xylene (para & meta)	630	U
95-47-6	Xylene (ortho)	630	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9762906V
GW-WB-13

Lab Name: EMSL ANALYTICAL

Contract:

Project No.

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762906V

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: V8030.D

Level: (low/med) MED

Date Received: 10/8/97

% Moisture: not dec. NA

Date Analyzed: 10/10/97

GC Column: HP-624 X 75M

ID: 0.53 (mm)

Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 10

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 80-56-8	.alpha.-Pinene	16.92	41000	J
2. 79-92-5	Camphene	17.40	2400	J
3. 18172-67-3	Bicyclo[3.1.1]heptane, 6,6-d	18.11	6000	J
4. 138-86-3	Limonene	19.23	4600	J
5. 99-87-6	Benzene, 1-methyl-4-(1-methy	19.30	2100	J
6. 496-11-7	Indane	19.81	2600	J
7. 275-51-4	Azulene	23.43	44000	J
8. 270-82-6	Benzo[c]thiophene	23.64	3200	J
9.	Unknown	26.96	3500	J
10.	Unknown	29.72	8300	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762906B
GW-WB-13

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762906B
Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6824.D
Level: (low/med) LOW
Date Received:
% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/16/97
Injection Volume: 1.0 (uL)
Dilution Factor: 20.0
GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	400000	UD
108-95-2	Phenol	400000	UD
111-44-4	bis(2-Chloroethyl)ether	400000	UD
95-57-8	2-Chlorophenol	400000	UD
541-73-1	1,3-Dichlorobenzene	400000	UD
106-46-7	1,4-Dichlorobenzene	400000	UD
95-50-1	1,2-Dichlorobenzene	400000	UD
108-60-1	bis(2-chloroisopropyl)ether	400000	UD
621-64-7	N-Nitroso-Di-n-propylamine	400000	UD
67-72-1	Hexachloroethane	400000	UD
98-95-3	Nitrobenzene	400000	UD
78-59-1	Isophorone	400000	UD
88-75-5	2-Nitrophenol	400000	UD
105-67-9	2,4-Dimethylphenol	400000	UD
111-91-1	bis(2-Chloroethoxy)methane	400000	UD
120-83-2	2,4-Dichlorophenol	400000	UD
120-82-1	1,2,4-Trichlorobenzene	400000	UD
91-20-3	Naphthalene	250000	JD
87-68-3	Hexachlorobutadiene	400000	UD
59-50-7	4-Chloro-3-methylphenol	400000	UD
77-47-4	Hexachlorocyclopentadiene	400000	UD
88-06-2	2,4,6-Trichlorophenol	400000	UD
91-58-7	2-Chloronaphthalene	400000	UD
131-11-3	Dimethylphthalate	400000	UD
208-96-8	Acenaphthylene	400000	UD
606-20-2	2,6-Dinitrotoluene	400000	UD
83-32-9	Acenaphthene	410000	D
51-28-5	2,4-Dinitrophenol	1000000	UD
100-02-7	4-Nitrophenol	1000000	UD
121-14-2	2,4-Dinitrotoluene	400000	UD
84-66-2	Diethylphthalate	400000	UD
86-73-7	Fluorene	390000	JD
7005-72-3	4-Chlorophenyl-phenylether	400000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762906B

GW-WB-13

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762906B

Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6824.D

Level: (low/med) LOW
Date Received:

% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)
Dilution Factor: 20.0

GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000000	UD
86-30-6	n-Nitrosodiphenylamine	400000	UD
122-66-7	1,2-Diphenylhydrazine(as azo)	400000	UD
101-55-3	4-Bromophenyl-phenylether	400000	UD
118-74-1	Hexachlorobenzene	400000	UD
87-86-5	Pentachlorophenol	1000000	UD
85-01-08	Phenanthrene	2800000	D
120-12-7	Anthracene	740000	D
84-74-2	Di-n-butylphthalate	400000	UD
206-44-0	Fluoranthene	2800000	D
92-87-5	Benzidine	2000000	UD
129-00-0	Pyrene	2000000	D
85-68-7	Butylbenzylphthalate	400000	UD
56-55-3	Benzo[a]anthracene	1000000	D
91-94-1	3,3'-Dichlorobenzidine	800000	UD
218-01-9	Chrysene	980000	D
117-81-7	bis(2-Ethylhexyl)phthalate	400000	UD
117-84-0	Di-n-octylphthalate	400000	UD
205-99-2	Benzo[b]fluoranthene	840000	D
207-08-9	Benzo[k]fluoranthene	1000000	D
50-32-8	Benzo[a]pyrene	560000	D
193-39-5	Indeno[1,2,3-cd]pyrene	680000	D
53-70-3	Dibenz[a,h]anthracene	390000	JD
191-24-2	Benzo[g,h,i]perylene	740000	D

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762906B
GW-WB-13

Lab Name: EMSL ANALYTICAL Contract: ______

Project No.: ______ Site: ______ Location: ______ Group: ______

Matrix: (soil/water) SOIL Lab Sample ID: 9762906B

Sample wt/vol: 0.5 (g/mL) G Lab File ID: B6768.D

Level: (low/med) LOW Date Received: ______

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/14/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ______

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 91-57-6	Naphthalene, 2-methyl-	13.68	36000	J
2. 132-64-9	Dibenzofuran	17.42	43000	J
3. 629-78-7	Heptadecane	25.29	150000	J
4. 243-42-5	Benzo[b]naphtho[2,3-d]furan	25.77	39000	J
5. 112-80-1	Oleic Acid	25.83	63000	J
6.	Unknown Hydrocarbon	25.95	41000	J
7.	Unknown Hydrocarbon	25.99	41000	J
8.	Unknown Hydrocarbon	26.07	78000	J
9. 593-45-3	Octadecane	26.40	100000	J
10. 3442-78-2	Pyrene, 2-methyl-	26.61	67000	J
11. 112-95-8	Eicosane	26.77	65000	J
12.	Unknown Hydrocarbon	27.08	41000	J
13.	Unknown Hydrocarbon	27.18	35000	J
14. 638-67-5	Tricosane	27.49	110000	J
15.	Unknown Hydrocarbon	27.64	46000	J
16.	Unknown Hydrocarbon	27.86	43000	J
17.	Unknown Hydrocarbon	28.52	94000	J
18.	Unknown Hydrocarbon	29.53	65000	J
19.	Unknown	30.08	120000	J
20.	Unknown Hydrocarbon	30.50	56000	J
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1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.: GN-WB-13

Lab Name: EMSL ANALYTICAL
Contract:

Lab Code:
Case No.:
SAS No.:
SDG No.:

Matrix: (soil/water) misc.
Lab Sample ID: 97-62906

Sample wt/vol: 0.5 (g/mL) g
Lab File ID: D:OC04D352

% Moisture: N/A
decanted: (Y/N) N
Date Received:

Extraction: (SepF/Cont/Sonc) Sonc
Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml)
Date Analyzed: 10/16/97

Injection Volume: 1 (uL)
Dilution Factor: 1

GPC Cleanup: (Y/N) N
pH:
Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

EMSL

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062907
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-WB-14

	Conc.	Unit
METALS		
Silver-RCRA	<4.5	mg/kg
Arsenic-RCRA	<9.0	mg/kg
Barium-RCRA	<20	mg/kg
Cadmium-RCRA	<1.8	mg/kg
Chromium-RCRA	<4.5	mg/kg
Mercury-RCRA	0.40	mg/kg
Lead-RCRA	22	mg/kg
Selenium, RCRA	<0.45	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	240000	mg/kg
Volatiles		
TPH as Gasoline	44	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762907V
GN-WB-14

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762907V

Sample wt/vol: 4.0 (g/mL) G
Lab File ID: V8031.D

Level: (low/med) MED
Date Received: 10/8/97

% Moisture: not dec. NA
Date Analyzed: 10/10/97

GC Column: HP-624 X 75M ID: 0.53 (mm)
Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl chloride	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-09-2	Methylene chloride	620	JB
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-65	trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
71-55-6	1,1,1-Trichloroethane	630	U
56-23-5	Carbon tetrachloride	630	U
75-27-4	Bromodichloromethane	630	U
78-87-5	1,2-Dichloropropane	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-02-6	trans-1,3-Dichloropropene	630	U
75-25-2	Bromoform	630	U
127-18-4	Tetrachloroethene	4000	
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	1400	
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
108-38-3	Xylene (para & meta)	460	J
95-47-6	Xylene (ortho)	630	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762907V
GW-WB-14

Lab Name: EMSL ANALYTICAL

Contract:

Project No.

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762907V

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: V8031.D

Level: (low/med) MED

Date Received: 10/8/97

% Moisture: not dec. NA

Date Analyzed: 10/10/97

GC Column: HP-624 X 75M ID: 0.53 (mm)

Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

Number TICs found: 12

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	4.41	4200	J
2. 508-32-7	Tricyclo[2.2.1.02,6]heptane,	16.64	4200	J
3.	Unknown	16.94	78000	J
4.	Unknown	16.96	65000	J
5. 79-92-5	Camphene	17.40	26000	J
6. 18172-67-3	Bicyclo[3.1.1]heptane, 6,6-d	18.09	15000	J
7. 138-86-3	Limonene	19.21	12000	J
8. 99-87-6	Benzene, 1-methyl-4-(1-methy	19.30	9500	J
9. 76109-40-5	Bicyclo[2.2.1]heptan-2-ol, 1	21.99	5700	J
10.	Unknown	23.41	62000	J
11. 270-82-6	Benzo[c]thiophene	23.62	8600	J
12.	Unknown	29.72	6200	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762907B

GP-WB-14

Lab Name: EMSL ANALYTICAL
Contract:

Project No.:
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762907B

Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6825.D

Level: (low/med) LOW
Date Received:

% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)
Dilution Factor: 20.0

GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	400000	UD
108-95-2	Phenol	400000	UD
111-44-4	bis(2-Chloroethyl)ether	400000	UD
95-57-8	2-Chlorophenol	400000	UD
541-73-1	1,3-Dichlorobenzene	400000	UD
106-46-7	1,4-Dichlorobenzene	400000	UD
95-50-1	1,2-Dichlorobenzene	400000	UD
108-60-1	bis(2-chloroisopropyl)ether	400000	UD
621-64-7	N-Nitroso-Di-n-propylamine	400000	UD
67-72-1	Hexachloroethane	400000	UD
98-95-3	Nitrobenzene	400000	UD
78-59-1	Isophorone	400000	UD
88-75-5	2-Nitrophenol	400000	UD
105-67-9	2,4-Dimethylphenol	400000	UD
111-91-1	bis(2-Chloroethoxy)methane	400000	UD
120-83-2	2,4-Dichlorophenol	400000	UD
120-82-1	1,2,4-Trichlorobenzene	400000	UD
91-20-3	Naphthalene	520000	D
87-68-3	Hexachlorobutadiene	400000	UD
59-50-7	4-Chloro-3-methylphenol	400000	UD
77-47-4	Hexachlorocyclopentadiene	400000	UD
88-06-2	2,4,6-Trichlorophenol	400000	UD
91-58-7	2-Chloronaphthalene	400000	UD
131-11-3	Dimethylphthalate	400000	UD
208-96-8	Acenaphthylene	400000	UD
606-20-2	2,6-Dinitrotoluene	400000	UD
83-32-9	Acenaphthene	850000	D
51-28-5	2,4-Dinitrophenol	1000000	UD
100-02-7	4-Nitrophenol	1000000	UD
121-14-2	2,4-Dinitrotoluene	400000	UD
84-66-2	Diethylphthalate	400000	UD
86-73-7	Fluorene	720000	D
7005-72-3	4-Chlorophenyl-phenylether	400000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762907B

GN-WB-14

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762907B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6825.D

Level: (low/med) LOW

Date Received:

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000000	UD
86-30-6	n-Nitrosodiphenylamine	400000	UD
122-66-7	1,2-Diphenylhydrazine(as azo)	400000	UD
101-55-3	4-Bromophenyl-phenylether	400000	UD
118-74-1	Hexachlorobenzene	400000	UD
87-86-5	Pentachlorophenol	1000000	UD
85-01-08	Phenanthrene	4500000	D
120-12-7	Anthracene	1200000	D
84-74-2	Di-n-butylphthalate	400000	UD
206-44-0	Fluoranthene	4600000	D
92-87-5	Benzidine	2000000	UD
129-00-0	Pyrene	3800000	D
85-68-7	Butylbenzylphthalate	400000	UD
56-55-3	Benzo[a]anthracene	1900000	D
91-94-1	3,3'-Dichlorobenzidine	800000	UD
218-01-9	Chrysene	2300000	D
117-81-7	bis(2-Ethylhexyl)phthalate	400000	UD
117-84-0	Di-n-octylphthalate	400000	UD
205-99-2	Benzo[b]fluoranthene	1400000	D
207-08-9	Benzo[k]fluoranthene	1700000	D
50-32-8	Benzo[a]pyrene	1200000	D
193-39-5	Indeno[1,2,3-cd]pyrene	1100000	D
53-70-3	Dibenz[a,h]anthracene	830000	D
191-24-2	Benzo[g,h,i]perylene	1500000	D

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762907B

GW-WB-14

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762907B

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: B6769.D

Level: (low/med) LOW

Date Received:

% Moisture: 0

decanted: (Y/N) N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/14/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 20

CAS Number	Compound Name	RT	Est. Conc	Q
1. 4889-83-2	Bicyclo[3.1.1]hept-2-ene, 3,	5.64	80000	J
2. 80-26-2	3-Cyclohexene-1-methanol, .a	11.87	30000	J
3. 91-57-6	Naphthalene, 2-methyl-	13.72	48000	J
4. 90-12-0	Naphthalene, 1-methyl-	14.01	32000	J
5. 132-64-9	Dibenzofuran	17.49	38000	J
6.	Unknown Hydrocarbon	25.67	130000	J
7.	Unknown Hydrocarbon	25.81	75000	J
8.	Unknown Hydrocarbon	25.99	84000	J
9.	Unknown Hydrocarbon	26.08	28000	J
10.	Unknown Hydrocarbon	26.12	30000	J
11. 593-45-3	Octadecane	26.40	95000	J
12.	Unknown Hydrocarbon	26.63	71000	J
13.	Unknown Hydrocarbon	26.75	26000	J
14.	Unknown Hydrocarbon	26.78	28000	J
15.	Unknown Hydrocarbon	26.82	29000	J
16.	Unknown Hydrocarbon	26.90	39000	J
17.	Unknown Hydrocarbon	27.06	27000	J
18. 544-76-3	Hexadecane	27.47	74000	J
19.	Unknown Hydrocarbon	28.52	55000	J
20. 630-02-4	Octacosane	29.53	33000	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-WB-14

Lab Name: EMSL ANALYTICAL

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Matrix: (soil/water) misc.

Lab Sample ID: 97-62907

Sample wt/vol: 0.5 (g/mL) g

Lab File ID: D:OC04D353

% Moisture: N/A

decanted: (Y/N) N

Date Received:

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml)

Date Analyzed: 10/16/97

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062908
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-WB-15

	Conc.	Unit
METALS		
Silver-RCRA	<4.8	mg/kg
Arsenic-RCRA	<9.6	mg/kg
Barium-RCRA	53	mg/kg
Cadmium-RCRA	5.7	mg/kg
Chromium-RCRA	97	mg/kg
Mercury-RCRA	0.46	mg/kg
Lead-RCRA	230	mg/kg
Selenium, RCRA	<0.52	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	64000	mg/kg
Volatiles		
TPH as Gasoline	27	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762908V

GW-WB-15

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762908V

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: V8032.D

Level: (low/med) MED

Date Received: 10/8/97

% Moisture: not dec. NA

Date Analyzed: 10/11/97

GC Column: HP-624 X 75M

ID: 0.53 (mm)

Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl chloride	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-09-2	Methylene chloride	350	JB
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-65	trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
71-55-6	1,1,1-Trichloroethane	320	J
56-23-5	Carbon tetrachloride	630	U
75-27-4	Bromodichloromethane	630	U
78-87-5	1,2-Dichloropropane	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-02-6	trans-1,3-Dichloropropene	630	U
75-25-2	Bromoform	630	U
127-18-4	Tetrachloroethene	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	540	J
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
108-38-3	Xylene (para & meta)	440	J
95-47-6	Xylene (ortho)	630	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762908V
GW-WB-15

Lab Name: EMSL ANALYTICAL
Contract:

Project No.
Site:
Location:
Group:

Matrix: (soil/water) SOIL
Lab Sample ID: 9762908V

Sample wt/vol: 4.0 (g/mL) G
Lab File ID: V8032.D

Level: (low/med) MED
Date Received: 10/8/97

% Moisture: not dec. NA
Date Analyzed: 10/11/97

GC Column: HP-624 X 75M ID: 0.53 (mm)
Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

Concentration Units:

Number TICs found: 11
(ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 80-56-8	.alpha.-Pinene	16.92	10000	J
2. 108-67-8	Benzene, 1,3,5-trimethyl-	18.02	2500	J
3. 95-36-3	1,2,4-Trimethylbenzene	18.71	5200	J
4. 99-87-6	Benzene, 1-methyl-4-(1-methy	19.28	4100	J
5.	Unknown Hydrocarbon	19.83	43000	J
6. 103-09-3	Acetic acid, 2-ethylhexyl es	21.92	21000	J
7.	Unknown	23.42	60000	J
8. 270-63-3	Cyclopenta[c]thiapyran	23.62	6300	J
9.	Unknown	25.85	13000	J
10.	Unknown	26.96	5400	J
11.	Unknown	29.71	8200	J
12.				
13.				
14.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762908B

GW-WB-15

Lab Name: EMSL ANALYTICAL

Contract: ______

Project No.: ______

Site: ______

Location: ______

Group: ______

Matrix: (soil/water) SOIL

Lab Sample ID: 9762908B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6826.D

Level: (low/med) LOW

Date Received: ______

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH: ______

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	400000	UD
108-95-2	Phenol	400000	UD
111-44-4	bis(2-Chloroethyl)ether	400000	UD
95-57-8	2-Chlorophenol	400000	UD
541-73-1	1,3-Dichlorobenzene	400000	UD
106-46-7	1,4-Dichlorobenzene	400000	UD
95-50-1	1,2-Dichlorobenzene	400000	UD
108-60-1	bis(2-chloroisopropyl)ether	400000	UD
621-64-7	N-Nitroso-Di-n-propylamine	400000	UD
67-72-1	Hexachloroethane	400000	UD
98-95-3	Nitrobenzene	400000	UD
78-59-1	Isophorone	400000	UD
88-75-5	2-Nitrophenol	400000	UD
105-67-9	2,4-Dimethylphenol	400000	UD
111-91-1	bis(2-Chloroethoxy)methane	400000	UD
120-83-2	2,4-Dichlorophenol	400000	UD
120-82-1	1,2,4-Trichlorobenzene	400000	UD
91-20-3	Naphthalene	250000	JD
87-68-3	Hexachlorobutadiene	400000	UD
59-50-7	4-Chloro-3-methylphenol	400000	UD
77-47-4	Hexachlorocyclopentadiene	400000	UD
88-06-2	2,4,6-Trichlorophenol	400000	UD
91-58-7	2-Chloronaphthalene	400000	UD
131-11-3	Dimethylphthalate	400000	UD
208-96-8	Acenaphthylene	400000	UD
606-20-2	2,6-Dinitrotoluene	400000	UD
83-32-9	Acenaphthene	370000	JD
51-28-5	2,4-Dinitrophenol	1000000	UD
100-02-7	4-Nitrophenol	1000000	UD
121-14-2	2,4-Dinitrotoluene	400000	UD
84-66-2	Diethylphthalate	400000	UD
86-73-7	Fluorene	320000	JD
7005-72-3	4-Chlorophenyl-phenylether	400000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762908B

GW-WB-15

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762908B

Sample wt/vol: 0.5 (g/mL G

Lab File ID: B6826.D

Level: (low/med) LOW

Date Received:

% Moisture: 0

decanted: (Y/N): N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH:

Column=DB-5 30m

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000000	UD
86-30-6	n-Nitrosodiphenylamine	400000	UD
122-66-7	1,2-Diphenylhydrazine(as azo)	400000	UD
101-55-3	4-Bromophenyl-phenylether	400000	UD
118-74-1	Hexachlorobenzene	400000	UD
87-86-5	Pentachlorophenol	1000000	UD
85-01-08	Phenanthrene	2800000	D
120-12-7	Anthracene	680000	D
84-74-2	Di-n-butylphthalate	400000	UD
206-44-0	Fluoranthene	3000000	D
92-87-5	Benzidine	2000000	UD
129-00-0	Pyrene	2200000	D
85-68-7	Butylbenzylphthalate	400000	UD
56-55-3	Benzo[a]anthracene	1100000	D
91-94-1	3,3'-Dichlorobenzidine	800000	UD
218-01-9	Chrysene	1300000	D
117-81-7	bis(2-Ethylhexyl)phthalate	400000	UD
117-84-0	Di-n-octylphthalate	400000	UD
205-99-2	Benzo[b]fluoranthene	960000	D
207-08-9	Benzo[k]fluoranthene	1300000	D
50-32-8	Benzo[a]pyrene	650000	D
193-39-5	Indeno[1,2,3-cd]pyrene	660000	D
53-70-3	Dibenz[a,h]anthracene	490000	D
191-24-2	Benzo[g,h,i]perylene	1000000	D

1F

SAMPLE NO.

9762908B
GW-WB-15

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: EMSL ANALYTICAL

Contract: ____

Project No.: ____

Site: ____

Location: ____

Group: ____

Matrix: (soil/water) SOIL

Lab Sample ID: 9762908B

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: B6770.D

Level: (low/med) LOW

Date Received: ____

% Moisture: 0

decanted: (Y/N) N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/14/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 20

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown Hydrocarbon	8.66	1000000	J
2. 91-57-6	Naphthalene, 2-methyl-	13.70	38000	J
3. 132-64-9	Dibenzofuran	17.45	51000	J
4. 544-76-3	Hexadecane	25.34	130000	J
5.	Unknown Hydrocarbon	25.67	130000	J
6.	Unknown Hydrocarbon	26.12	46000	J
7.	Unknown Hydrocarbon	26.45	72000	J
8. 629-78-7	Heptadecane	26.82	50000	J
9.	Unknown Hydrocarbon	27.53	93000	J
10.	Unknown Hydrocarbon	28.56	76000	J
11.	Unknown Hydrocarbon	28.83	260000	J
12. 92-24-0	Naphthacene	29.13	38000	J
13.	Unknown Hydrocarbon	29.63	270000	J
14.	Unknown	30.08	90000	J
15.	Unknown Hydrocarbon	30.32	110000	J
16. 638-67-5	Tricosane	30.51	55000	J
17.	Unknown Hydrocarbon	31.29	230000	J
18.	Unknown Hydrocarbon	31.52	130000	J
19.	Unknown Hydrocarbon	32.48	66000	J
20. 198-55-0	Perylene	32.93	37000	J
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1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-WB-15

Lab Name: EMSL ANALYTICAL   Contract:

Lab Code: Case No.:   SAS No.:   SDG No.:

Matrix: (soil/water) misc.   Lab Sample ID: 97-62908

Sample wt/vol: 0.5 (g/mL) g   Lab File ID: D:OC04D354

% Moisture: N/A   decanted: (Y/N) N   Date Received:

Extraction: (SepF/Cont/Sonc) Sonc   Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml)   Date Analyzed: 10/16/97

Injection Volume: 1 (uL)   Dilution Factor: 1

GPC Cleanup: (Y/N) N   pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062909
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-WB-16

	Conc.	Unit
METALS		
Silver-RCRA	<4.5	mg/kg
Arsenic-RCRA	<9.1	mg/kg
Barium-RCRA	150	mg/kg
Cadmium-RCRA	4.5	mg/kg
Chromium-RCRA	27	mg/kg
Mercury-RCRA	3.0	mg/kg
Lead-RCRA	180	mg/kg
Selenium, RCRA	<0.48	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	120000	mg/kg
Volatiles		
TPH as Gasoline	1.9	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762909V
GW-WB-16

Lab Name: EMSL ANALYTICAL
Contract: ____________

Project No.: ____________
Site: ____________
Location: ____________
Group: ____________

Matrix: (soil/water) SOIL
Lab Sample ID: 9762909V

Sample wt/vol: 4.0 (g/mL) G
Lab File ID: V8033.D

Level: (low/med) MED
Date Received: 10/8/97

% Moisture: not dec. NA
Date Analyzed: 10/11/97

GC Column: HP-624 X 75M
ID: 0.53 (mm)
Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl chloride	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-09-2	Methylene chloride	380	JB
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-65	trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
71-55-6	1,1,1-Trichloroethane	630	U
56-23-5	Carbon tetrachloride	630	U
75-27-4	Bromodichloromethane	630	U
78-87-5	1,2-Dichloropropane	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-02-6	trans-1,3-Dichloropropene	630	U
75-25-2	Bromoform	630	U
127-18-4	Tetrachloroethene	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	630	U
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
108-38-3	Xylene (para & meta)	630	U
95-47-6	Xylene (ortho)	630	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9762909V
GW-1SB-16

Lab Name: EMSL ANALYTICAL Contract: ______

Project No. ______ Site: ______ Location: ______ Group: ______

Matrix: (soil/water) SOIL Lab Sample ID: 9762909V

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V8033.D

Level: (low/med) MED Date Received: 10/8/97

% Moisture: not dec. NA Date Analyzed: 10/11/97

GC Column: HP-624 X 75M ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 8

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 80-56-8	.alpha.-Pinene	16.92	1100	J
2. 104-76-7	1-Hexanol, 2-ethyl-	19.83	11000	J
3.	Unknown	23.66	780	J
4.	Unknown	23.68	750	J
5.	Unknown	25.49	4000	J
6.	Unknown	26.96	1400	J
7.	Unknown	27.35	900	J
8.	Unknown	29.72	3200	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762909B
GU-WB-16

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762909B
Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6827.D
Level: (low/med) LOW
Date Received:
% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/16/97
Injection Volume: 1.0 (uL)
Dilution Factor: 20.0
GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	400000	UD
108-95-2	Phenol	400000	UD
111-44-4	bis(2-Chloroethyl)ether	400000	UD
95-57-8	2-Chlorophenol	400000	UD
541-73-1	1,3-Dichlorobenzene	400000	UD
106-46-7	1,4-Dichlorobenzene	400000	UD
95-50-1	1,2-Dichlorobenzene	400000	UD
108-60-1	bis(2-chloroisopropyl)ether	400000	UD
621-64-7	N-Nitroso-Di-n-propylamine	400000	UD
67-72-1	Hexachloroethane	400000	UD
98-95-3	Nitrobenzene	400000	UD
78-59-1	Isophorone	400000	UD
88-75-5	2-Nitrophenol	400000	UD
105-67-9	2,4-Dimethylphenol	400000	UD
111-91-1	bis(2-Chloroethoxy)methane	400000	UD
120-83-2	2,4-Dichlorophenol	400000	UD
120-82-1	1,2,4-Trichlorobenzene	400000	UD
91-20-3	Naphthalene	74000	JD
87-68-3	Hexachlorobutadiene	400000	UD
59-50-7	4-Chloro-3-methylphenol	400000	UD
77-47-4	Hexachlorocyclopentadiene	400000	UD
88-06-2	2,4,6-Trichlorophenol	400000	UD
91-58-7	2-Chloronaphthalene	400000	UD
131-11-3	Dimethylphthalate	400000	UD
208-96-8	Acenaphthylene	400000	UD
606-20-2	2,6-Dinitrotoluene	400000	UD
83-32-9	Acenaphthene	380000	JD
51-28-5	2,4-Dinitrophenol	1000000	UD
100-02-7	4-Nitrophenol	1000000	UD
121-14-2	2,4-Dinitrotoluene	400000	UD
84-66-2	Diethylphthalate	400000	UD
86-73-7	Fluorene	310000	JD
7005-72-3	4-Chlorophenyl-phenylether	400000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

9762909B

GN-WB-16

Lab Name: EMSL ANALYTICAL Contract: ____

Project No.: ____ Site: ____ Location: ____ Group: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9762909B

Sample wt/vol: 0.5 (g/mL G Lab File ID: B6827.D

Level: (low/med) LOW Date Received: ____

% Moisture: 0 decanted: (Y/N): N Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/97

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: ____ Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000000	UD
86-30-6	n-Nitrosodiphenylamine	400000	UD
122-66-7	1,2-Diphenylhydrazine(as azo)	400000	UD
101-55-3	4-Bromophenyl-phenylether	400000	UD
118-74-1	Hexachlorobenzene	400000	UD
87-86-5	Pentachlorophenol	1000000	UD
85-01-08	Phenanthrene	3800000	D
120-12-7	Anthracene	900000	D
84-74-2	Di-n-butylphthalate	400000	UD
206-44-0	Fluoranthene	5800000	D
92-87-5	Benzidine	2000000	UD
129-00-0	Pyrene	4300000	D
85-68-7	Butylbenzylphthalate	400000	UD
56-55-3	Benzo[a]anthracene	2500000	D
91-94-1	3,3'-Dichlorobenzidine	800000	UD
218-01-9	Chrysene	2500000	D
117-81-7	bis(2-Ethylhexyl)phthalate	400000	UD
117-84-0	Di-n-octylphthalate	400000	UD
205-99-2	Benzo[b]fluoranthene	2100000	D
207-08-9	Benzo[k]fluoranthene	1700000	D
50-32-8	Benzo[a]pyrene	1300000	D
193-39-5	Indeno[1,2,3-cd]pyrene	1500000	D
53-70-3	Dibenz[a,h]anthracene	1200000	D
191-24-2	Benzo[g,h,i]perylene	2300000	D

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762909B

GD-WB-26

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762909B

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: B6771.D

Level: (low/med) LOW

Date Received:

% Moisture: 0

decanted: (Y/N) N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/14/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Concentration Units: (ug/L or ug/Kg) ug/Kg

Number TICs found: 20

CAS Number	Compound Name	RT	Est. Conc	Q
1. 132-64-9	Dibenzofuran	17.46	36000	J
2.	Unknown Hydrocarbon	20.24	31000	J
3. 544-76-3	Hexadecane	25.38	51000	J
4. 238-84-6	11H-Benzo[a]fluorene	26.60	35000	J
5.	Unknown Hydrocarbon	26.86	67000	J
6.	Unknown Hydrocarbon	27.25	29000	J
7.	Unknown Hydrocarbon	27.70	48000	J
8. 112-95-8	Eicosane	27.93	36000	J
9.	Unknown Hydrocarbon	28.58	30000	J
10. 593-45-3	Octadecane	29.57	43000	J
11. 629-92-5	Nonadecane	30.55	34000	J
12.	Unknown Hydrocarbon	31.07	33000	J
13. 13475-76-8	Docosane, 11-butyl-	31.78	37000	J
14.	Unknown Hydrocarbon	32.65	69000	J
15. 198-55-0	Perylene	32.98	96000	J
16.	Unknown Hydrocarbon	33.51	39000	J
17.	Unknown Hydrocarbon	33.53	26000	J
18.	Unknown Hydrocarbon	33.86	32000	J
19.	Unknown Hydrocarbon	35.56	38000	J
20.	Unknown Hydrocarbon	36.73	34000	J
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1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-WB-16

Lab Name: EMSL ANALYTICAL
Contract:

Lab Code:
Case No.:
SAS No.:
SDG No.:

Matrix: (soil/water) misc.
Lab Sample ID: 97-62909

Sample wt/vol: 0.5 (g/mL) g
Lab File ID: D:OC04D355

% Moisture: N/A
decanted: (Y/N) N
Date Received:

Extraction: (SepF/Cont/Sonc) Sonc
Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml)
Date Analyzed: 10/16/97

Injection Volume: 1 (uL)
Dilution Factor: 1

GPC Cleanup: (Y/N) N
pH:
Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

Date of Report: 10/24/97
Project Number: 97111115
Lab ID: 97-0062910
Date Collected: 10/07/97 00:00
Collected By: Client
Date Received: 10/08/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin GN, 86401-001.000

Client Designation: GN-WB-17

	Conc.	Unit
METALS		
Silver-RCRA	<5.0	mg/kg
Arsenic-RCRA	<10	mg/kg
Barium-RCRA	22	mg/kg
Cadmium-RCRA	<2.0	mg/kg
Chromium-RCRA	10	mg/kg
Mercury-RCRA	0.36	mg/kg
Lead-RCRA	<20	mg/kg
Selenium, RCRA	<0.50	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
TPH as Diesel	87000	mg/kg
Volatiles		
TPH as Gasoline	1.3	mg/kg
VOA by 8260 with Library Search	see attached	ug/kg

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762910V
GW-WB-M

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762910V
Sample wt/vol: 4.0 (g/mL) G
Lab File ID: V8034.D
Level: (low/med) MED
Date Received: 10/8/97
% Moisture: not dec. NA
Date Analyzed: 10/11/97
GC Column: HP-624 X 75M ID: 0.53 (mm)
Dilution Factor: 125.0
Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl chloride	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-09-2	Methylene chloride	570	JB
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-65	trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
71-55-6	1,1,1-Trichloroethane	630	U
56-23-5	Carbon tetrachloride	630	U
75-27-4	Bromodichloromethane	630	U
78-87-5	1,2-Dichloropropane	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-02-6	trans-1,3-Dichloropropene	630	U
75-25-2	Bromoform	630	U
127-18-4	Tetrachloroethene	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	630	U
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
108-38-3	Xylene (para & meta)	630	U
95-47-6	Xylene (ortho)	630	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9762910V

GP2-WB-17

Lab Name: EMSL ANALYTICAL Contract: ________

Project No. ________ Site: ________ Location: ________ Group: ________

Matrix: (soil/water) SOIL Lab Sample ID: 9762910V

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V8034.D

Level: (low/med) MED Date Received: 10/8/97

% Moisture: not dec. NA Date Analyzed: 10/11/97

GC Column: HP-624 X 75M ID: 0.53 (mm) Dilution Factor: 125.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

Number TICs found: 8 (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 80-56-8	.alpha.-Pinene	16.91	730	J
2. 2471-84-3	1H-Indene, 1-methylene-	23.40	39000	J
3. 270-82-6	Benzo[c]thiophene	23.60	2200	J
4. 16587-47-6	Benzo[b]thiophene, 6-methyl-	25.71	630	J
5. 2471-83-2	1H-Indene, 1-ethylidene-	25.85	11000	J
6.	Unknown	26.95	7900	J
7. 643-93-6	1,1'-Biphenyl, 3-methyl-	29.24	770	J
8.	Unknown	29.70	11000	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9762910B
GD-WB-17

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9762910B
Sample wt/vol: 0.5 (g/mL G
Lab File ID: B6828.D
Level: (low/med) LOW
Date Received:
% Moisture: 0
decanted: (Y/N): N
Date Extracted: 10/10/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 10/17/97
Injection Volume: 1.0 (uL)
Dilution Factor: 20.0
GPC Cleanup: (Y/N) N
pH:
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	400000	UD
108-95-2	Phenol	400000	UD
111-44-4	bis(2-Chloroethyl)ether	400000	UD
95-57-8	2-Chlorophenol	400000	UD
541-73-1	1,3-Dichlorobenzene	400000	UD
106-46-7	1,4-Dichlorobenzene	400000	UD
95-50-1	1,2-Dichlorobenzene	400000	UD
108-60-1	bis(2-chloroisopropyl)ether	400000	UD
621-64-7	N-Nitroso-Di-n-propylamine	400000	UD
67-72-1	Hexachloroethane	400000	UD
98-95-3	Nitrobenzene	400000	UD
78-59-1	Isophorone	400000	UD
88-75-5	2-Nitrophenol	400000	UD
105-67-9	2,4-Dimethylphenol	400000	UD
111-91-1	bis(2-Chloroethoxy)methane	400000	UD
120-83-2	2,4-Dichlorophenol	400000	UD
120-82-1	1,2,4-Trichlorobenzene	400000	UD
91-20-3	Naphthalene	400000	UD
87-68-3	Hexachlorobutadiene	400000	UD
59-50-7	4-Chloro-3-methylphenol	400000	UD
77-47-4	Hexachlorocyclopentadiene	400000	UD
88-06-2	2,4,6-Trichlorophenol	400000	UD
91-58-7	2-Chloronaphthalene	400000	UD
131-11-3	Dimethylphthalate	400000	UD
208-96-8	Acenaphthylene	400000	UD
606-20-2	2,6-Dinitrotoluene	400000	UD
83-32-9	Acenaphthene	120000	JD
51-28-5	2,4-Dinitrophenol	1000000	UD
100-02-7	4-Nitrophenol	1000000	UD
121-14-2	2,4-Dinitrotoluene	400000	UD
84-66-2	Diethylphthalate	400000	UD
86-73-7	Fluorene	130000	JD
7005-72-3	4-Chlorophenyl-phenylether	400000	UD

SAMPLE NO.

9762910B
GW-WB-17

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: EMSL ANALYTICAL   Contract: ____

Project No.: ____   Site: ____   Location: ____   Group: ____

Matrix: (soil/water) SOIL   Lab Sample ID: 9762910B

Sample wt/vol: 0.5 (g/mL G   Lab File ID: B6828.D

Level: (low/med) LOW   Date Received: ____

% Moisture: 0   decanted: (Y/N): N   Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)   Date Analyzed: 10/17/97

Injection Volume: 1.0 (uL)   Dilution Factor: 20.0

GPC Cleanup: (Y/N) N   pH: ____   Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000000	UD
86-30-6	n-Nitrosodiphenylamine	400000	UD
122-66-7	1,2-Diphenylhydrazine(as azo)	400000	UD
101-55-3	4-Bromophenyl-phenylether	400000	UD
118-74-1	Hexachlorobenzene	400000	UD
87-86-5	Pentachlorophenol	1000000	UD
85-01-08	Phenanthrene	1200000	D
120-12-7	Anthracene	240000	JD
84-74-2	Di-n-butylphthalate	400000	UD
206-44-0	Fluoranthene	1300000	D
92-87-5	Benzidine	2000000	UD
129-00-0	Pyrene	740000	D
85-68-7	Butylbenzylphthalate	400000	UD
56-55-3	Benzo[a]anthracene	260000	JD
91-94-1	3,3'-Dichlorobenzidine	800000	UD
218-01-9	Chrysene	300000	JD
117-81-7	bis(2-Ethylhexyl)phthalate	400000	UD
117-84-0	Di-n-octylphthalate	400000	UD
205-99-2	Benzo[b]fluoranthene	140000	JD
207-08-9	Benzo[k]fluoranthene	260000	JD
50-32-8	Benzo[a]pyrene	130000	JD
193-39-5	Indeno[1,2,3-cd]pyrene	400000	UD
53-70-3	Dibenz[a,h]anthracene	400000	UD
191-24-2	Benzo[g,h,i]perylene	400000	UD

SAMPLE NO.

9762910B
GW-WB17

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9762910B

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: B6772.D

Level: (low/med) LOW

Date Received:

% Moisture: 0

decanted: (Y/N) N

Date Extracted: 10/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/14/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 15

CAS Number	Compound Name	RT	Est. Conc	Q
1. 132-64-9	Dibenzofuran	17.37	110000	J
2. 486-25-9	9H-Fluoren-9-one	20.75	9500	J
3. 86-74-8	Carbazole	22.14	10000	J
4. 203-64-5	4H-Cyclopenta[def]phenanthre	23.03	8400	J
5.	Unknown Hydrocarbon	25.20	9500	J
6.	Unknown Hydrocarbon	25.22	29000	J
7.	Unknown Hydrocarbon	25.24	35000	J
8. 243-42-5	Benzo[b]naphtho[2,3-d]furan	25.53	110000	J
9.	Unknown Hydrocarbon	25.72	44000	J
10.	Unknown Hydrocarbon	25.90	55000	J
11. 243-17-4	11H-Benzo[b]fluorene	26.54	44000	J
12.	Unknown Hydrocarbon	26.58	9900	J
13. 3442-78-2	Pyrene, 2-methyl-	26.73	9900	J
14. 2381-21-7	Pyrene, 1-methyl-	26.77	30000	J
15.	Unknown Hydrocarbon	26.79	8300	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GD-WB-17

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) misc. Lab Sample ID: 97-62910

Sample wt/vol: 0.5 (g/mL) g Lab File ID: D:OC04D356

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/14/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 10/16/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	2000	U

U= Not detected

1 of 3

EMS ANALYTICAL INC.
3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

Chain of Custody / Analysis Request Form

EMSL Project # 9711115
PO # ______

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Report to: Chris Andrews
EMCON
1 International Blvd
Mahwah, NJ 07495

2. Bill to: Same

Project: Lockheed Martin Great Neck

Tel #: (201) 512-5700
FAX #: (201) 512-5786

3. Sampled by (Signature) Joseph

4. # of Samples in Shipment

5. Date of Sample Shipment 10/7

6. Date Results Needed 10/12

Indicate Analysis Requested

Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix					Method Preserved						Sampling		Number of Containers	PCB'S	Metals RCRA	TPH = GRO & DRO							Laboratory Number
					WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Date	Time											
1	1	GN-CC-03		X					X					X		10/7	9:30	1	X	X	X							62891
2	2	GN-CC-04		X					X					X		10/7	9:30	1	X	X	X							92
3	3	GN-CC-05		X					X					X		10/7	9:35	1	X	X	X							93
4	4	GN-W-13		X					X							10/7	9:30	1	X									94
5	5	GN-W-14		X					X							10/7	9:30	1		X								95
6	6	GN-W-15		X					X							10/7	10:00	1		X								96
7	7	GN-W-16		X					X							10/7	10:00	1	X									97
8	8	GN-W-17		X					X							10/7	10:10	1	X									98
9	9	GN-RS-13		X		X								X		10/7	10:00	1	X	X								99

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
Joseph	10/7 / 5:00	FedEx			/	
	/				/	
	/				/	

Please indicate turnaround time: standard 10D [✓ 5D] 72HR 48HR 24HR (Must call for quick turn)

Comments: [illegible]

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

2 of 3

EMSL ANALYTICAL INC.
3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

Chain of Custody / Analysis Request Form

EMSL Project # ____________
PO # ____________

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Report to: Chris Andrews
EMCON
1 International Blvd.
Mahwah, NJ 07495

2. Bill to: Same

Project: Lockheed Martin Great Neck

Tel #: (201) 512-5700
FAX #: (201) 512-5786

3. Sampled by (Signature): Joseph Jozzmpza

4. # of Samples in Shipment:

5. Date of Sample Shipment: 10/7

6. Date Results Needed: 10/12

Item No.	Sample Number	Station Location / Sample ID			Matrix					Method Preserved						Sampling		Number of Containers	Indicate Analysis Requested									Laboratory Number
			COMP	GRAB	WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO3	H2SO4	ICE	NONE	OTHER	Date	Time		PCB's	RCRA metals	TPH = GRO + DRO	VOC's, TCL + xylol	SVOC's 8270 + TS					
1	10	GN-RS-14		X				X						X		10/7	10:20	1	X	X	X	X	X					900
2	11	GN-WB-08		X					X					X		10/7	10:35	1	X	X	X	X	X					901
3	12	GN-WB-09		X					X					X		10/7	10:45	1	X	X	X	X	X					902
4	13	GN-WB-10		X					X					X		10/7	10:55	1	X	X	X	X	X					903
5	14	GN-WB-11		X					X					X		10/7	11:05	1	X	X	X	X	X					904
6	15	GN-WB-12		X					X					X		10/7	11:15	1	X	X	X	X	X					905
7	16	GN-WB-13		X					X					X		10/7	11:20	1	X	X	X	X	X					906
8	17	GN-WB-14		X					X					X		10/7	11:30	1	X	X	X	X	X					907
9	18	GN-WB-15		X					X					X		10/7	11:45	1	X	X	X	X	X					908

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
Joseph Jozzmpza	10/7 / 5:00	FedEX			/	
	/				/	
	/				/	

Please indicate turnaround time: standard 10D [✓ 5D] 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

3 of 3

EMSL ANALYTICAL INC.
3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

Chain of Custody / Analysis Request Form

EMSL Project # ____________
PO # ____________

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Report to: Chris Andraus
EMCON
1 International Blvd.
Mahwah, NJ 07495

2. Bill to: Same

Project: Lockheed Martin
Great Neck

Tel #: (201) 512-5700
FAX #: (201) 512-5788

3. Sampled by (Signature): Joseph

4. # of Samples in Shipment:

5. Date of Sample Shipment: 10/7

6. Date Results Needed: 10/12

Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Sampling: Date	Time	Number of Containers	PCB's	RCRA METALS	TPH - GRO's DRO	VOC's 8260	SVOC's 8270					Laboratory Number
1	19	GN-WB-16		X					✓					✓		10/7	12:00	1	X	X	X	X	X					909
2	20	GN-WB-17		X					✓					✓		10/7	12:20	1	X	X	X	X	X					910
3																												
4																												
5																												
6																												
7																												
8																												
9																												

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
Joseph	10/7 / 5:00	FedEX			/	
	/				/	
	/				/	

Please indicate turnaround time: standard 10D [✓ 5D] 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

FedEX

EMCON BNA Dilutions

Q qualifiers	UD denotes not detected at diluted level
	D denotes detected at this diluted concentration
	JD denotes detected but below detection limit

EMSL

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057652
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-RS-05

	Conc.	Unit
LIMITED		
pH	3.47	S.U.

EMSL

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057653
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-W-01

	Conc.	Unit
METALS		
Beryllium	<1.0	ug/ft2

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057654
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-W-02

	Conc.	Unit
METALS		
Silver-RCRA	5.3	ug/ft2
Arsenic-RCRA	<10	ug/ft2
Barium-RCRA	110	ug/ft2
Cadmium-RCRA	11	ug/ft2
Chromium-RCRA	110	ug/ft2
Mercury-RCRA	0.18	ug/ft2
Lead-RCRA	7200	ug/ft2
Selenium, RCRA	<20	ug/ft2

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057655
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-W-03

	Conc.	Unit
METALS		
Silver-RCRA	<5.0	ug/ft2
Arsenic-RCRA	<10	ug/ft2
Barium-RCRA	51	ug/ft2
Cadmium-RCRA	<2.0	ug/ft2
Chromium-RCRA	12	ug/ft2
Mercury-RCRA	0.037	ug/ft2
Lead-RCRA	48	ug/ft2
Selenium, RCRA	<20	ug/ft2
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

4N-W-03

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) wipe Lab Sample ID: 97-57655

Sample wt/vol: N/A (g/mL) Lab File ID: D:SP15D163

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/23/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/24/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	1	U
11104-28-2 -------	Aroclor-1221	1	U
11141-16-5 -------	Aroclor-1232	1	U
53469-21-9 -------	Aroclor-1242	1	U
12672-29-6 -------	Aroclor-1248	1	U
11097-69-1 -------	Aroclor-1254	1	U
11096-82-5 -------	Aroclor-1260	1	U

U= Not detected

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057656
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-W-04

	Conc.	Unit
METALS		
Silver-RCRA	<5.0	ug/ft2
Arsenic-RCRA	<10	ug/ft2
Barium-RCRA	62	ug/ft2
Cadmium-RCRA	2.1	ug/ft2
Chromium-RCRA	21	ug/ft2
Mercury-RCRA	0.049	ug/ft2
Lead-RCRA	51	ug/ft2
Selenium, RCRA	<20	ug/ft2
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2

1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

AN-W-64

Lab Name: EMSL ANALYTICAL Contract: ______

Lab Code: ______ Case No.: ______ SAS No.: ______ SDG No.: ______

Matrix: (soil/water) wipe Lab Sample ID: 97-57656

Sample wt/vol: N/A (g/mL) ______ Lab File ID: D:SP15D164

% Moisture: N/A decanted: (Y/N) N Date Received: ______

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/23/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/24/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: ______ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	1	U
11104-28-2 -------	Aroclor-1221	1	U
11141-16-5 -------	Aroclor-1232	1	U
53469-21-9 -------	Aroclor-1242	1	U
12672-29-6 -------	Aroclor-1248	1	U
11097-69-1 -------	Aroclor-1254	1	U
11096-82-5 -------	Aroclor-1260	1	U

U= Not detected

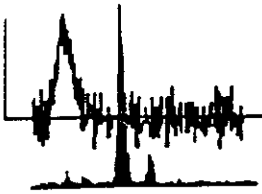
Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057657
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-W-05

	Conc.	Unit
METALS		
Silver-RCRA	<5.0	ug/ft2
Arsenic-RCRA	<10	ug/ft2
Barium-RCRA	45	ug/ft2
Cadmium-RCRA	<2.0	ug/ft2
Chromium-RCRA	11	ug/ft2
Mercury-RCRA	0.052	ug/ft2
Lead-RCRA	31	ug/ft2
Selenium, RCRA	<20	ug/ft2
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2



1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-W-05

Lab Name: EMSL ANALYTICAL Contract: ______

Lab Code: ______ Case No.: ______ SAS No.: ______ SDG No.: ______

Matrix: (soil/water) wipe

Lab Sample ID: 97-57657

Sample wt/vol: N/A (g/mL) ______

Lab File ID: D:SP15D165

% Moisture: N/A decanted: (Y/N) N

Date Received: ______

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 09/23/97

Concentrated Extract Volume: 10 (ml)

Date Analyzed: 09/24/97

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: ______

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2

CAS NO.	COMPOUND	ug/ft2	Q
12674-11-2 -------	Aroclor-1016	1	U
11104-28-2 -------	Aroclor-1221	1	U
11141-16-5 -------	Aroclor-1232	1	U
53469-21-9 -------	Aroclor-1242	1	U
12672-29-6 -------	Aroclor-1248	1	U
11097-69-1 -------	Aroclor-1254	1	U
11096-82-5 -------	Aroclor-1260	1	U

U= Not detected

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057658
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-RS-06

	Conc.	Unit
LIMITED		
Solids, Total	31	%
METALS		
Silver-RCRA	<16	mg/kg
Arsenic-RCRA	<1.6	mg/kg
Barium-RCRA	190	mg/kg
Cadmium-RCRA	15	mg/kg
Chromium-RCRA	58	mg/kg
Mercury-RCRA	4.4	mg/kg
Lead-RCRA	130	mg/kg
Selenium, RCRA	<1.6	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	25	mg/kg
Volatiles		
TPH as Gasoline	<3.0	mg/kg

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

BN-RS-026

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) soil Lab Sample ID: 97-57658

Sample wt/vol: 10 (g/mL) g Lab File ID: D:SP15D171

% Moisture: 69 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/23/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/24/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	400	U
11104-28-2 -------	Aroclor-1221	400	U
11141-16-5 -------	Aroclor-1232	400	U
53469-21-9 -------	Aroclor-1242	400	U
12672-29-6 -------	Aroclor-1248	400	U
11097-69-1 -------	Aroclor-1254	400	U
11096-82-5 -------	Aroclor-1260	400	U

U= Not detected

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057659
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-W-06

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-W-06

Lab Name: EMSL ANALYTICAL

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Matrix: (soil/water) wipe

Lab Sample ID: 97-57659

Sample wt/vol: N/A (g/mL)

Lab File ID: D:SP15D172

% Moisture: N/A

decanted: (Y/N) N

Date Received:

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 09/23/97

Concentrated Extract Volume: 10 (ml)

Date Analyzed: 09/24/97

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	1	U
11104-28-2 -------	Aroclor-1221	1	U
11141-16-5 -------	Aroclor-1232	1	U
53469-21-9 -------	Aroclor-1242	1	U
12672-29-6 -------	Aroclor-1248	1	U
11097-69-1 -------	Aroclor-1254	1	U
11096-82-5 -------	Aroclor-1260	1.6	

U= Not detected

EMSL

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057660
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-CC-01

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	80	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-00-01

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: ____ Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) soil Lab Sample ID: 97-57660

Sample wt/vol: 15 (g/mL) g Lab File ID: D:SP15D173

% Moisture: N/A decanted: (Y/N) N Date Received: ____

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/23/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/24/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
12674-11-2 -------	Aroclor-1016	200	U
11104-28-2 -------	Aroclor-1221	200	U
11141-16-5 -------	Aroclor-1232	200	U
53469-21-9 -------	Aroclor-1242	200	U
12672-29-6 -------	Aroclor-1248	200	U
11097-69-1 -------	Aroclor-1254	200	U
11096-82-5 -------	Aroclor-1260		

U= Not detected

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057661
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-WB-06

	Conc.	Unit
METALS		
Silver-TCLP	<0.25	mg/l
Arsenic, TCLP	<2.5	mg/l
Barium-TCLP	<1.0	mg/l
Cadmium-TCLP	<0.10	mg/l
Chromium-TCLP	<0.25	mg/l
Mercury, TCLP	0.0028	mg/l
Lead-TCLP	<1.0	mg/l
Selenium-TCLP	<1.0	mg/l
ORGANIC		
Semi-Volatiles		
TCLP BNAs by 8270	see attached	ug/l
Volatiles		
TCLP Volatiles by 8240/8260	see attached	ug/l

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET
TCLP

SAMPLE NO.
9757661T
GW-WB06

Lab Name: EMSL ANALYTICAL Contract: ____________

Project No.: ________ Site: ______ Location: ____________ Group: ________

Matrix: (soil/water) LEACHATE Lab Sample ID: 9757661T

Sample wt/vol: 0.500 (g/mL) ML Lab File ID: D1071.D

Level: (low/med) LOW Date Received: 9/17/97

% Moisture: not dec. NA Date Analyzed: 9/23/97

GC Column: DB-624 X 75M ID: 0.53 (mm) Dilution Factor: 10.0

Extract Volume: ________ (uL) Aliquot Volume: ________ (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-01-4	Vinyl chloride	100	U
75-35-4	1,1-Dichloroethene	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
56-23-5	Carbon tetrachloride	50	U
79-01-6	Trichloroethene	50	U
71-43-2	Benzene	50	U
127-18-4	Tetrachloroethene	50	U
108-90-7	Chlorobenzene	50	U
78-93-3	2-Butanone	100	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. GW-WB-06

Lab Name: EMSL Analytical

Contract: ______

Project No.: ______

Site: ______

Location: ______

Group: ______

Matrix: (soil/water) LEACHATE

Lab Sample ID: 9757661

Sample wt/vol: 100.0 (g/mL ML

Lab File ID: B6518

Level: (low/med) ______

Date Received: ______

% Moisture: ______

decanted: (Y/N): ______

Date Extracted: 9/23/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 9/24/97

Injection Volume: 1.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: ______

Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
110-86-1	Pyridine	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-48-7	2-Methylphenol	79	J
106-44-5	3&4-Methylphenol	280	
67-72-1	Hexachloroethane	100	U
98-95-3	Nitrobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
121-14-2	2,4-Dinitrotoluene	100	U
118-74-1	Hexachlorobenzene	100	U
87-86-5	Pentachlorophenol	500	U

U denotes
not detected

Method Reference: SW-846, 8270.
TCLP Extraction Procedure by SW-846, 1311.

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057662
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-RS-07

	Conc.	Unit
METALS		
Silver-RCRA	<5.3	mg/kg
Arsenic-RCRA	<0.52	mg/kg
Barium-RCRA	300	mg/kg
Cadmium-RCRA	2.1	mg/kg
Chromium-RCRA	7.3	mg/kg
Mercury-RCRA	1.5	mg/kg
Lead-RCRA	56	mg/kg
Selenium, RCRA	<0.52	mg/kg
ORGANIC		
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/kg
Volatiles		
VOA by 8260 with Library Search	see attached	ug/kg

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9757662V
GW-RS-07

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) SOIL
Lab Sample ID: 9757662V
Sample wt/vol: 4.0 (g/mL) G
Lab File ID: D1081.D
Level: (low/med) MED
Date Received: 9/17/97
% Moisture: not dec. 4
Date Analyzed: 9/24/97
GC Column: RTX-624 X 75M ID: 0.53 (mm)
Dilution Factor: 250.0
Soil Extract Volume: 10000 (uL)
Soil Aliquot Volume: 50 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	2600	U
74-83-9	Bromomethane	2600	U
75-01-4	Vinyl chloride	2600	U
75-00-3	Chloroethane	2600	U
75-69-4	Trichlorofluoromethane	2600	U
75-09-2	Methylene chloride	1700	B
75-35-4	1,1-Dichloroethene	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-60-65	trans-1,2-Dichloroethene	1300	U
67-66-3	Chloroform	1300	U
107-06-2	1,2-Dichloroethane	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
56-23-5	Carbon tetrachloride	1300	U
75-27-4	Bromodichloromethane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
79-01-6	Trichloroethene	1300	U
124-48-1	Dibromochloromethane	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
71-43-2	Benzene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
75-25-2	Bromoform	1300	U
127-18-4	Tetrachloroethene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
108-88-3	Toluene	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
108-38-3	Xylene (para & meta)	390	J
95-47-6	Xylene (ortho)	290	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9757662V
GW-RS-07

Lab Name: EMSL ANALYTICAL Contract: ______

Project No. ______ Site: ______ Location: ______ Group: ______

Matrix: (soil/water) SOIL Lab Sample ID: 9757662V

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D1081.D

Level: (low/med) MED Date Received: 9/17/97

% Moisture: not dec. 4 Date Analyzed: 9/24/97

GC Column: RTX-624 X 75M ID: 0.53 (mm) Dilution Factor: 250.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 50 (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 15

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown Hydrocarbon	19.81	1900	J
2.	Unknown Hydrocarbon	20.21	3400	J
3.	Unknown Hydrocarbon	20.68	2600	J
4. 124-18-5	Decane	21.08	14000	J
5.	Unknown Hydrocarbon	21.10	3800	J
6. 526-73-8	Benzene, 1,2,3-trimethyl-	21.22	2000	J
7.	Unknown Hydrocarbon	21.59	2100	J
8.	Unknown Hydrocarbon	21.61	4500	J
9. 95-36-3	1,2,4-Trimethylbenzene	21.94	6400	J
10. 620-14-4	Benzene, 1-ethyl-3-methyl-	22.74	3300	J
11. 1074-43-7	Benzene, 1-methyl-3-propyl-	23.09	2400	J
12.	Unknown	23.21	5000	J
13.	Unknown	23.23	2600	J
14. 1120-21-4	Undecane	23.30	7400	J
15.	Unknown Hydrocarbon	24.20	2100	J
16.				
17.				
18.				
19.				
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30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9757662B
GN-RS07

Lab Name: EMSL ANALYTICAL
Contract: ____

Project No.: ____
Site: ____
Location: ____
Group: ____

Matrix: (soil/water) SOIL
Lab Sample ID: 9757662B

Sample wt/vol: 2.0 (g/mL G
Lab File ID: B6509.D

Level: (low/med) LOW
Date Received: ____

% Moisture: 0
decanted: (Y/N): N
Date Extracted: 9/18/97

Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 9/24/97

Injection Volume: 1.0 (uL)
Dilution Factor: 1.0

GPC Cleanup: (Y/N) N
pH: ____
Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-nitrosodimethylamine	5000	U
108-95-2	Phenol	5000	U
111-44-4	bis(2-Chloroethyl)ether	5000	U
95-57-8	2-Chlorophenol	5000	U
541-73-1	1,3-Dichlorobenzene	5000	U
106-46-7	1,4-Dichlorobenzene	5000	U
95-50-1	1,2-Dichlorobenzene	5000	U
108-60-1	bis(2-chloroisopropyl)ether	5000	U
621-64-7	N-Nitroso-Di-n-propylamine	5000	U
67-72-1	Hexachloroethane	5000	U
98-95-3	Nitrobenzene	5000	U
78-59-1	Isophorone	5000	U
88-75-5	2-Nitrophenol	5000	U
105-67-9	2,4-Dimethylphenol	5000	U
111-91-1	bis(2-Chloroethoxy)methane	5000	U
120-83-2	2,4-Dichlorophenol	5000	U
120-82-1	1,2,4-Trichlorobenzene	5000	U
91-20-3	Naphthalene	1200	J
87-68-3	Hexachlorobutadiene	5000	U
59-50-7	4-Chloro-3-methylphenol	5000	U
77-47-4	Hexachlorocyclopentadiene	5000	U
88-06-2	2,4,6-Trichlorophenol	5000	U
91-58-7	2-Chloronaphthalene	5000	U
131-11-3	Dimethylphthalate	5000	U
208-96-8	Acenaphthylene	5000	U
606-20-2	2,6-Dinitrotoluene	5000	U
83-32-9	Acenaphthene	5000	U
51-28-5	2,4-Dinitrophenol	13000	U
100-02-7	4-Nitrophenol	13000	U
121-14-2	2,4-Dinitrotoluene	5000	U
84-66-2	Diethylphthalate	5000	U
86-73-7	Fluorene	5000	U
7005-72-3	4-Chlorophenyl-phenylether	5000	U

1B

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

9757662B
GW-RS-07

Lab Name: EMSL ANALYTICAL Contract: ______

Project No.: ______ Site: ______ Location: ______ Group: ______

Matrix: (soil/water) SOIL Lab Sample ID: 9757662B

Sample wt/vol: 2.0 (g/mL G Lab File ID: B6509.D

Level: (low/med) LOW Date Received: ______

% Moisture: 0 decanted: (Y/N): N Date Extracted: 9/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ______ Column=DB-5 30m

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
534-52-1	4,6-Dinitro-2-methylphenol	13000	U
86-30-6	n-Nitrosodiphenylamine	5000	U
122-66-7	1,2-Diphenylhydrazine(as azo)	5000	U
101-55-3	4-Bromophenyl-phenylether	5000	U
118-74-1	Hexachlorobenzene	5000	U
87-86-5	Pentachlorophenol	13000	U
85-01-08	Phenanthrene	9000	
120-12-7	Anthracene	6600	
84-74-2	Di-n-butylphthalate	43000	
206-44-0	Fluoranthene	6900	
92-87-5	Benzidine	25000	U
129-00-0	Pyrene	6000	
85-68-7	Butylbenzylphthalate	17000	
56-55-3	Benzo[a]anthracene	5000	U
91-94-1	3,3'-Dichlorobenzidine	10000	U
218-01-9	Chrysene	1700	J
117-81-7	bis(2-Ethylhexyl)phthalate	5000	U
117-84-0	Di-n-octylphthalate	5000	U
205-99-2	Benzo[b]fluoranthene	5000	U
207-08-9	Benzo[k]fluoranthene	5000	U
50-32-8	Benzo[a]pyrene	5000	U
193-39-5	Indeno[1,2,3-cd]pyrene	5000	U
53-70-3	Dibenz[a,h]anthracene	5000	U
191-24-2	Benzo[g,h,i]perylene	5000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

9757662B
GN-RS-07

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) SOIL

Lab Sample ID: 9757662B

Sample wt/vol: 2.0 (g/mL) G

Lab File ID: B6509.D

Level: (low/med) LOW

Date Received:

% Moisture: 0

decanted: (Y/N) N

Date Extracted: 9/18/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 9/24/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 20

CAS Number	Compound Name	RT	Est. Conc	Q
1.	Unknown	13.89	20000	J
2. 88-04-0	Chloroxylenol	16.93	130000	J
3.	Unknown	17.09	23000	J
4. 128-37-0	Butylated Hydroxytoluene	18.04	27000	J
5.	Unknown	18.37	36000	J
6.	Unknown	18.95	40000	J
7.	Unknown	18.97	28000	J
8.	Unknown	19.01	48000	J
9.	Unknown	19.98	48000	J
10.	Unknown	20.02	41000	J
11.	Unknown	20.09	25000	J
12. 99-96-7	Benzoic acid, 4-hydroxy-	20.99	20000	J
13. 544-63-8	Tetradecanoic acid	22.56	34000	J
14.	Unknown Hydrocarbon	22.68	55000	J
15. 57-10-3	Hexadecanoic acid	24.39	18000	J
16.	Unknown Hydrocarbon	25.11	82000	J
17.	Unknown Hydrocarbon	25.13	84000	J
18. 112-80-1	Oleic Acid	26.57	59000	J
19. 1002-84-2	Pentadecanoic acid	27.19	120000	J
20.	Unknown Hydrocarbon	27.85	17000	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

EMSL

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057663
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-CC-02

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	310	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-CC-02

Lab Name: EMSL ANALYTICAL Contract: ________

Lab Code: ______ Case No.: ______ SAS No.: ______ SDG No.: ______

Matrix: (soil/water) soil Lab Sample ID: 97-57663

Sample wt/vol: 15 (g/mL) g Lab File ID: D:SP15D185

% Moisture: N/A decanted: (Y/N) N Date Received: ______

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/23/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/24/97

Injection Volume: 1 (uL) Dilution Factor: 10

GPC Cleanup: (Y/N) N pH: ______ Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	700	U
11104-28-2 -------	Aroclor-1221	700	U
11141-16-5 -------	Aroclor-1232	700	U
53469-21-9 -------	Aroclor-1242	700	U
12672-29-6 -------	Aroclor-1248	700	U
11097-69-1 -------	Aroclor-1254	700	U
11096-82-5 -------	Aroclor-1260	700	U

U= Not detected

EMSL

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057664
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-RS-08

	Conc.	Unit
LIMITED		
Solids, Total	96	%
METALS		
Silver-RCRA	<5.2	mg/kg
Arsenic-RCRA	2.4	mg/kg
Barium-RCRA	360	mg/kg
Cadmium-RCRA	14	mg/kg
Chromium-RCRA	32	mg/kg
Mercury-RCRA	0.33	mg/kg
Lead-RCRA	61	mg/kg
Selenium, RCRA	<0.52	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	44000	mg/kg
Volatiles		
TPH as Gasoline	1.6	mg/kg

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-RS-08

Lab Name: EMSL ANALYTICAL   Contract:

Lab Code: Case No.:   SAS No.:   SDG No.:

Matrix: (soil/water) soil   Lab Sample ID: 97-57664

Sample wt/vol: 15 (g/mL) g   Lab File ID: D:SP15D175

% Moisture: 4   decanted: (Y/N) N   Date Received:

Extraction: (SepF/Cont/Sonc) Sonc   Date Extracted: 09/23/97

Concentrated Extract Volume: 10 (ml)   Date Analyzed: 09/24/97

Injection Volume: 1 (uL)   Dilution Factor: 20

GPC Cleanup: (Y/N) N   pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	2000	U
11104-28-2 -------	Aroclor-1221	2000	U
11141-16-5 -------	Aroclor-1232	2000	U
53469-21-9 -------	Aroclor-1242	2000	U
12672-29-6 -------	Aroclor-1248	2000	U
11097-69-1 -------	Aroclor-1254	2000	U
11096-82-5 -------	Aroclor-1260	9500	

U= Not detected

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057665
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-W-07

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-W-07

Lab Name: EMSL ANALYTICAL Contract: ______

Lab Code: ______ Case No.: ______ SAS No.: ______ SDG No.: ______

Matrix: (soil/water) wipe

Lab Sample ID: 97-57665

Sample wt/vol: N/A (g/mL) ______

Lab File ID: D:SP15D186

% Moisture: N/A decanted: (Y/N) N

Date Received: ______

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 09/23/97

Concentrated Extract Volume: 10 (ml)

Date Analyzed: 09/24/97

Injection Volume: 1 (uL)

Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: ______

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	5	U
11104-28-2 -------	Aroclor-1221	5	U
11141-16-5 -------	Aroclor-1232	5	U
53469-21-9 -------	Aroclor-1242	5	U
12672-29-6 -------	Aroclor-1248	5	U
11097-69-1 -------	Aroclor-1254	5	U
11096-82-5 -------	Aroclor-1260	24	

U= Not detected

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057666
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-W-08

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-W-08

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) wipe Lab Sample ID: 97-57666

Sample wt/vol: N/A (g/mL) Lab File ID: D:SP15D177

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/23/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/24/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	1	U
11104-28-2 -------	Aroclor-1221	1	U
11141-16-5 -------	Aroclor-1232	1	U
53469-21-9 -------	Aroclor-1242	1	U
12672-29-6 -------	Aroclor-1248	1	U
11097-69-1 -------	Aroclor-1254	1	U
11096-82-5 -------	Aroclor-1260	1	U

U= Not detected

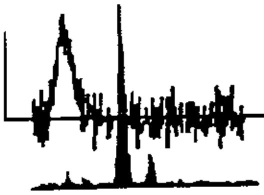
Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057667
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-W-09

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2



1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-W-09

Lab Name: EMSL ANALYTICAL
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Matrix: (soil/water) wipe
Lab Sample ID: 97-57667
Sample wt/vol: N/A (g/mL)
Lab File ID: D:SP15D182
% Moisture: N/A
decanted: (Y/N) N
Date Received:
Extraction: (SepF/Cont/Sonc) Sonc
Date Extracted: 09/23/97
Concentrated Extract Volume: 10 (ml)
Date Analyzed: 09/24/97
Injection Volume: 1 (uL)
Dilution Factor: 10
GPC Cleanup: (Y/N) N
pH:
Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	10	U
11104-28-2 -------	Aroclor-1221	10	U
11141-16-5 -------	Aroclor-1232	10	U
53469-21-9 -------	Aroclor-1242	10	U
12672-29-6 -------	Aroclor-1248	10	U
11097-69-1 -------	Aroclor-1254	10	U
11096-82-5 -------	Aroclor-1260	34	

U= Not detected

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057668
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-RS-09

	Conc.	Unit
LIMITED		
Solids, Total	74	%
METALS		
Silver-RCRA	<6.8	mg/kg
Arsenic-RCRA	30	mg/kg
Barium-RCRA	110	mg/kg
Cadmium-RCRA	30	mg/kg
Chromium-RCRA	260	mg/kg
Mercury-RCRA	5.3	mg/kg
Lead-RCRA	630	mg/kg
Selenium, RCRA	<0.67	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	54	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.
GW-RS-09

Lab Name: EMSL ANALYTICAL
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Matrix: (soil/water) soil
Lab Sample ID: 97-57668
Sample wt/vol: 15 (g/mL) g
Lab File ID: D:SP15D183
% Moisture: 26
decanted: (Y/N) N
Date Received:
Extraction: (SepF/Cont/Sonc) Sonc
Date Extracted: 09/23/97
Concentrated Extract Volume: 10 (ml)
Date Analyzed: 09/24/97
Injection Volume: 1 (uL)
Dilution Factor: 1
GPC Cleanup: (Y/N) N
pH:
Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	90	U
11104-28-2 -------	Aroclor-1221	90	U
11141-16-5 -------	Aroclor-1232	90	U
53469-21-9 -------	Aroclor-1242	90	U
12672-29-6 -------	Aroclor-1248	90	U
11097-69-1 -------	Aroclor-1254	90	U
11096-82-5 -------	Aroclor-1260	1000	

U= Not detected

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057669
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: GN-RS-10

	Conc.	Unit
LIMITED		
Solids, Total	38	%
METALS		
Silver-RCRA	<13	mg/kg
Arsenic-RCRA	13	mg/kg
Barium-RCRA	320	mg/kg
Cadmium-RCRA	15	mg/kg
Chromium-RCRA	62	mg/kg
Mercury-RCRA	1.0	mg/kg
Lead-RCRA	400	mg/kg
Selenium, RCRA	<1.3	mg/kg

Date of Report: 10/06/97
Project Number: 97100316
Lab ID: 97-0057670
Date Collected: 09/16/97 00:00
Collected By: Client
Date Received: 09/17/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.86401-001.000

Client Designation: FB-01

	Conc.	Unit
METALS		
Silver-RCRA	<0.050	mg/l
Arsenic-RCRA	<0.50	mg/l
Barium-RCRA	<0.20	mg/l
Cadmium-RCRA	<0.020	mg/l
Chromium-RCRA	<0.050	mg/l
Mercury-RCRA	<0.10	mg/l
Lead-RCRA	<0.20	mg/l
Selenium, RCRA	<0.50	mg/l
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/l
Semi-Volatiles		
BNA by 8270 with Library Search	see attached	ug/l
TPH as Diesel	<0.10	mg/l
Volatiles		
TPH as Gasoline	<1.0	mg/L
VOA by 8260 with Library Search	see attached	ug/l

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-846 8240

SAMPLE NO.

FB-01

Lab Name: EMSL ANALYTICAL

Contract:

Project No.:

Site:

Location:

Group:

Matrix: (soil/water) WATER

Lab Sample ID: 9757670V

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: D1049.D

Level: (low/med)

Date Received: 9/17/97

% Moisture: not dec.

Date Analyzed: 9/22/97

GC Column: DB-624 X 75M ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-09-2	Methylene chloride	2	JB
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-65	trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
108-38-3	Xylene (para & meta)	5	U
75-01-4	Xylene (ortho)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9757670V
FB-01

Lab Name: EMSL ANALYTICAL
Contract:

Project No.
Site:
Location:
Group:

Matrix: (soil/water) WATER
Lab Sample ID: 9757670V

Sample wt/vol: 5.0 (g/mL) ML
Lab File ID: D1049.D

Level: (low/med)
Date Received: 9/17/97

% Moisture: not dec.
Date Analyzed: 9/22/97

GC Column: RTX-624 X 75M ID: 0.53 (mm)
Dilution Factor: 1.0

Soil Extract Volume: (uL)
Soil Aliquot Volume: (uL)

Concentration Units:
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	NONE FOUND			
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30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
9757670B
FB-01

Lab Name: EMSL ANALYTICAL
Contract:
Project No.:
Site:
Location:
Group:
Matrix: (soil/water) WATER
Lab Sample ID: 9757670B
Sample wt/vol: 1200.0 (g/mL ML
Lab File ID: B6499.D
Level: (low/med)
Date Received:
% Moisture:
decanted: (Y/N): N
Date Extracted: 9/18/97
Concentrated Extract Volume: 1000 (uL)
Date Analyzed: 9/23/97
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N
pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-nitrosodimethylamine	5	U
108-95-2	Phenol	1	U
111-44-4	bis(2-Chloroethyl)ether	1	U
95-57-8	2-Chlorophenol	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
108-60-1	bis(2-chloroisopropyl)ether	1	U
621-64-7	N-Nitroso-Di-n-propylamine	1	U
67-72-1	Hexachloroethane	1	U
98-95-3	Nitrobenzene	1	U
78-59-1	Isophorone	1	U
88-75-5	2-Nitrophenol	1	U
105-67-9	2,4-Dimethylphenol	1	U
111-91-1	bis(2-Chloroethoxy)methane	1	U
120-83-2	2,4-Dichlorophenol	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
91-20-3	Naphthalene	1	U
87-68-3	Hexachlorobutadiene	1	U
59-50-7	4-Chloro-3-methylphenol	2	U
77-47-4	Hexachlorocyclopentadiene	1	U
88-06-2	2,4,6-Trichlorophenol	2	U
91-58-7	2-Chloronaphthalene	1	U
131-11-3	Dimethylphthalate	1	U
208-96-8	Acenaphthylene	1	U
606-20-2	2,6-Dinitrotoluene	1	U
83-32-9	Acenaphthene	1	U
51-28-5	2,4-Dinitrophenol	1	U
100-02-7	4-Nitrophenol	2	U
121-14-2	2,4-Dinitrotoluene	1	U
84-66-2	Diethylphthalate	1	U
86-73-7	Fluorene	1	U
7005-72-3	4-Chlorophenyl-phenylether	2	U

SAMPLE NO.

9757670B

FB-01

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: EMSL ANALYTICAL Contract: ______

Project No.: ______ Site: ______ Location: ______ Group: ______

Matrix: (soil/water) WATER Lab Sample ID: 9757670B

Sample wt/vol: 1200.0 (g/mL ML Lab File ID: B6499.D

Level: (low/med) ______ Date Received: ______

% Moisture: ______ decanted: (Y/N): N Date Extracted: 9/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ______

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	1	U
86-30-6	n-Nitrosodiphenylamine	1	U
122-66-7	1,2-Diphenylhydrazine(as azo)	1	U
101-55-3	4-Bromophenyl-phenylether	1	U
118-74-1	Hexachlorobenzene	1	U
87-86-5	Pentachlorophenol	1	U
85-01-08	Phenanthrene	1	U
120-12-7	Anthracene	1	U
84-74-2	Di-n-butylphthalate	1	U
206-44-0	Fluoranthene	1	U
92-87-5	Benzidine	1	U
129-00-0	Pyrene	4	U
85-68-7	Butylbenzylphthalate	1	U
56-55-3	Benzo[a]anthracene	1	U
91-94-1	3,3'-Dichlorobenzidine	1	U
218-01-9	Chrysene	1	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	U
117-84-0	Di-n-octylphthalate	3	U
205-99-2	Benzo[b]fluoranthene	1	U
207-08-9	Benzo[k]fluoranthene	2	U
50-32-8	Benzo[a]pyrene	1	U
193-39-5	Indeno[1,2,3-cd]pyrene	1	U
53-70-3	Dibenz[a,h]anthracene	1	U
191-24-2	Benzo[g,h,i]perylene	1	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
9757670B
FB-01

Lab Name: EMSL ANALYTICAL Contract: ______

Project No.: ______ Site: ______ Location: ______ Group: ______

Matrix: (soil/water) WATER Lab Sample ID: 9757670B

Sample wt/vol: 1200.0 (g/mL) ML Lab File ID: B6499.D

Level: (low/med) ______ Date Received: ______

% Moisture: ______ decanted: (Y/N) N Date Extracted: 9/18/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ______

Concentration Units:
(ug/L or ug/Kg) ug/L

Number TICs found: 2

CAS Number	Compound Name	RT	Est. Conc	Q
1.	Unknown Hydrocarbon	19.26	6	J
2.	Unknown	24.27	7	J
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1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

BB-01

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) water Lab Sample ID: 97-57670

Sample wt/vol: 1000 (g/mL) mL Lab File ID: D:SP15D178

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 09/22/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/24/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
12674-11-2 -------	Aroclor-1016	0.5	U
11104-28-2 -------	Aroclor-1221	0.5	U
11141-16-5 -------	Aroclor-1232	0.5	U
53469-21-9 -------	Aroclor-1242	0.5	U
12672-29-6 -------	Aroclor-1248	0.5	U
11097-69-1 -------	Aroclor-1254	0.5	U
11096-82-5 -------	Aroclor-1260	0.5	U

U= Not detected

1 of 3

EMSL ANALYTICAL INC.
3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

Chain of Custody / Analysis Request Form

EMSL Project # [illegible]
PO # 5Z123/61

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Report to:
Chris Andrews
EMCON
1 International Blvd.
Mahwah, NJ 07495

2. Bill to: Same

Project: Lockheed Martin Great Neck
Tel #: (201) 512-5700
FAX #: (201) 512-5786

3. Sampled by (Signature): Joseph Jozzgula

4. # of Samples in Shipment: 28

5. Date of Sample Shipment: 9/16

6. Date Results Needed: 9/21

Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix					Method Preserved						Sampling		Number of Containers	Indicate Analysis Requested										Laboratory Number
					WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Date	Time		PH, Corrosivity	RCRA Metals	Beryllium	PCB's	TPHC						
1	1	GN-RS-05		X		X							X			9/16	8:45	1	X										51652
2	2	GN-W-01		X					X							9/16	8:45	1			X								53
3	3	GN-W-02		X					X		X					9/16	8:50	1		X									54
4	4	GN-W-03		X					X		X				x	9/16	11:15	2		X		X							55
5	5	GN-W-04		X					X		X				X	9/16	11:17	2		X		X							56
6	6	GN-W-05		X					X		X				X	9/16	11:20	2		X		X							57
7	7	GN-RS-06		X				X					X			9/16	11:40	1		X		X	X						58
8	8	GN-W-06		X					X						X	9/16	11:45	1				X							59
9	9	GN-CC-01		X					X				X			9/16	11:45	1				X	X						60

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
Joseph Jozzgula	9/16 / 6:00	FedEX			9/17 / 10:10	
	/				/	
	/				/	

Please indicate turnaround time: standard 10D [✓ 5D] 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

1 of 3 3 of 3

EMSL Analytical Inc.
3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

Chain of Custody / Analysis Request Form

EMSL Project # ____________
PO # ____________

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Report to: Chris Andrews
EMCON
1 International Blvd.
Mahwah, NJ 07495

2. Bill to: Same

Project: Lockheed Martin Great Neck

Tel #: (201) 512-5700
FAX #: (201) 512-5786

3. Sampled by (Signature): Joseph [illegible]

4. # of Samples in Shipment: 28

5. Date of Sample Shipment: 9/16

6. Date Results Needed: 9/21

					Matrix					Method Preserved						Sampling			Indicate Analysis Requested									
Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Date	Time	Number of Containers	TCLP metals	SVOC's (TCLP)	VOC's (TCLP)	*PCB's	TPHC	RCRA Metals	SVOC's	VOC's		Laboratory Number
1	10	GN-WB-06		X					X				X			9/16	1:15	1	X	X	X							61
2	11	GN-R/S-07		X				X					X			9/16	1:30	1						X	X	X		62
3	12	GN-CC-02		X					X				X			9/16	1:35	1				X	X					63
4	13	GN-R/S-08		X		X							X			9/16	3:00	1				X	X	X				64
5	14	GN-W-07		X					X						X	9/16	4:00	1				X						65
6	15	GN-W-08		X					X						X	9/16	4:07	1				X						66
7	16	GN-W-09		X					X						X	9/16	4:05	1				X						67
8	17	GN-R/S-09		X				X					X			9/16	4:15	1				X	X	X				68
9	18	GN-R/S-10		X				X					X			9/16	4:20	1						X				69

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
Joseph [illegible]	9/16 / 6:00	FedEx			/	
	/				/	
	/				/	

Please indicate turnaround time: standard 10D [✓ 5D] 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

of 3

EMSL ALYTICAL INC.
3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

Chain of Custody / Analysis Request Form

EMSL Project # ____________
PO # ____________

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Report to:
Chris Andrews
EMCON
1 International Blvd.
Mahwah, NJ 07495

2. Bill to: Same

Project: Lockleed [illegible] Great Neck

Tel #: (201) 512-5740
FAX #: (201) 512-5786

3. Sampled by (Signature): Joseph [illegible]

4. # of Samples in Shipment: 28

5. Date of Sample Shipment: 9/16

6. Date Results Needed: 9/21

Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO3	H2SO4	ICE	NONE	OTHER	Sampling: Date	Time	Number of Containers	VOC'S	DRO	PCB	GRO	BNU	Metals PCB				Laboratory Number
1	19	FB-01			X											9/16	5:15	10	2	2	2	1	2	1				70
2	~~20~~				~~X~~											~~9/16~~	~~5:15~~											
3	~~21~~				~~X~~											~~9/16~~	~~5:15~~											
4																												
5																												
6																												
7																												
8																												
9																												

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
Joseph [illegible]	9/16 16:00	FedEX			/	
	/				/	
	/				/	

Please indicate turnaround time: standard 10D [✓ 5D] 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

Date of Report: 10/06/97
Project Number: 97100417
Lab ID: 97-0058250
Date Collected: 09/18/97 00:00
Collected By: Client
Date Received: 09/19/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.,86401-001.000

Client Designation: GN-WB-07

	Conc.	Unit
METALS		
Silver-RCRA	<5.0	mg/kg
Arsenic-RCRA	<10	mg/kg
Barium-RCRA	83	mg/kg
Cadmium-RCRA	4.4	mg/kg
Chromium-RCRA	20	mg/kg
Mercury-RCRA	0.41	mg/kg
Lead-RCRA	270	mg/kg
Selenium, RCRA	<0.50	mg/kg
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	61000	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-WB-07

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) soil Lab Sample ID: 97-58250

Sample wt/vol: 0.5 (g/mL) g Lab File ID: D:SP15D232

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/24/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/26/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	2000	U
11104-28-2	Aroclor-1221	2000	U
11141-16-5	Aroclor-1232	2000	U
53469-21-9	Aroclor-1242	2000	U
12672-29-6	Aroclor-1248	2000	U
11097-69-1	Aroclor-1254	2000	U
11096-82-5	Aroclor-1260	2000	U

U= Not detected

EMSL

Date of Report: 10/06/97
Project Number: 97100417
Lab ID: 97-0058251
Date Collected: 09/18/97 00:00
Collected By: Client
Date Received: 09/19/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.,86401-001.000

Client Designation: GN-RS-11

	Conc.	Unit
LIMITED		
Solids, Total	71	%
ORGANIC		
Herbicides		
Herbicides by 8150	see attached	ug/kg
Pesticides		
Pesticides by 8080	see attached	ug/kg

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GN-RS-11

Lab Name: EMSL

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Matrix: (soil/water) soil

Lab Sample ID: 97-58251

Sample wt/vol: 30 (g/mL) g

Lab File ID: D:SP15D201

% Moisture: 29

decanted: (Y/N) N

Date Received:

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 09/24/97

Concentrated Extract Volume: 10 (ml)

Date Analyzed: 09/25/97

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	3	U
319-85-7	beta-BHC	3	U
319-86-8	delta-BHC	3	U
58-89-9	gamma-BHC (Lindane)	3	U
76-44-8	Heptachlor	3	U
309-00-2	Aldrin	3	U
1024-57-3	Heptachlor epoxide	3	U
959-98-8	Endosulfan I	3	U
60-57-1	Dieldrin	3	U
72-55-9	4,4'-DDE	8.8	
72-20-8	Endrin	3	U
33213-65-9	Endosulfan II	5	U
72-54-8	4,4'-DDD	5	U
1031-07-8	Endosulfan sulfate	5	U
50-29-3	4,4'-DDT	5	U
72-43-5	Methoxychlor	50	U
53494-70-5	Endrin ketone	5	U
7421-36-3	Endrin aldehyde	5	U
57-74-9	Chlordane	50	U
8001-35-2	Toxaphene	100	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	100	U
11096-82-5	Aroclor-1260	100	U

1D

HERBICIDE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE ID.

GN-RS-11

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) soil Lab Sample ID: 97-58251

Sample wt/vol: 50 (g/mL) g Lab File ID: D:SP22H16

% Moisture: 29 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Date Extracted: 09/19/97

Concentrated Extract Volume: 10 (mL) Date Analyzed: 09/24/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
18625-12-2 - - - - - - - - - -	2,4-D	200	U
4841-20-7- - - - - - - - - -	Silvex	100	U

FORM I PEST

3/90

Date of Report: 10/06/97
Project Number: 97100417
Lab ID: 97-0058252
Date Collected: 09/18/97 00:00
Collected By: Client
Date Received: 09/19/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.,86401-001.000

Client Designation: GN-O-01

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/kg
Semi-Volatiles		
TPH as Diesel	<10	mg/kg
Volatiles		
TPH as Gasoline	<1.0	mg/kg

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GN-0-01

Lab Name: EMSL ANALYTICAL Contract: ______

Lab Code: ______ Case No.: ______ SAS No.: ______ SDG No.: ______

Matrix: (soil/water) soil Lab Sample ID: 97-58252

Sample wt/vol: 10 (g/mL) g Lab File ID: D:SP15D224

% Moisture: N/A decanted: (Y/N) N Date Received: ______

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/24/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/25/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: ______ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2 -------	Aroclor-1016	100	U
11104-28-2 -------	Aroclor-1221	100	U
11141-16-5 -------	Aroclor-1232	100	U
53469-21-9 -------	Aroclor-1242	100	U
12672-29-6 -------	Aroclor-1248	100	U
11097-69-1 -------	Aroclor-1254	100	U
11096-82-5 -------	Aroclor-1260	100	U

U= Not detected

Date of Report: 10/06/97
Project Number: 97100417
Lab ID: 97-0058253
Date Collected: 09/18/97 00:00
Collected By: Client
Date Received: 09/19/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.,86401-001.000

Client Designation: GN-W-09

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	see attached	ug/ft2

1D
PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

Bi-W-09

Lab Name: EMSL ANALYTICAL   Contract: ______

Lab Code: ______   Case No.: ______   SAS No.: ______   SDG No.: ______

Matrix: (soil/water) wipe   Lab Sample ID: 97-58253

Sample wt/vol: N/A (g/mL) ______   Lab File ID: D:SP15D253

% Moisture: N/A   decanted: (Y/N) N   Date Received: ______

Extraction: (SepF/Cont/Sonc) Sonc   Date Extracted: 09/24/97

Concentrated Extract Volume: 10 (ml)   Date Analyzed: 09/27/97

Injection Volume: 1 (uL)   Dilution Factor: 4

GPC Cleanup: (Y/N) N   pH: ______   Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	4	U
11104-28-2 -------	Aroclor-1221	4	U
11141-16-5 -------	Aroclor-1232	4	U
53469-21-9 -------	Aroclor-1242	4	U
12672-29-6 -------	Aroclor-1248	27	
11097-69-1 -------	Aroclor-1254	4	U
11096-82-5 -------	Aroclor-1260	4	U

U= Not detected

Date of Report: 10/06/97
Project Number: 97100417
Lab ID: 97-0058254
Date Collected: 09/18/97 00:00
Collected By: Client
Date Received: 09/19/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.,86401-001.000

Client Designation: GN-W-10

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	<1.0	ug/ft2

1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

GW-W-10

Lab Name: EMSL ANALYTICAL Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) wipe Lab Sample ID: 97-58254

Sample wt/vol: N/A (g/mL) Lab File ID: D:SP15D254

% Moisture: N/A decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/24/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/27/97

Injection Volume: 1 (uL) Dilution Factor: 4

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	4	U
11104-28-2 -------	Aroclor-1221	4	U
11141-16-5 -------	Aroclor-1232	4	U
53469-21-9 -------	Aroclor-1242	4	U
12672-29-6 -------	Aroclor-1248	4	U
11097-69-1 -------	Aroclor-1254	4	U
11096-82-5 -------	Aroclor-1260	8.1	

U= Not detected

Date of Report: 10/06/97
Project Number: 97100417
Lab ID: 97-0058255
Date Collected: 09/18/97 00:00
Collected By: Client
Date Received: 09/19/97 10:00

Attention: Chris Andrews
Emcon-Mahwah
1 International Blvd.
Suite 700
Mahwah NJ 07495

Client Project: Lockheed Martin,G.N.,86401-001.000

Client Designation: GN-W-11

	Conc.	Unit
ORGANIC		
PCBs		
PCBs by 8080	<1.0	ug/ft2

1D

PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

BCW-11

Lab Name: EMSL ANALYTICAL Contract: ________

Lab Code: ________ Case No.: ________ SAS No.: ________ SDG No.: ________

Matrix: (soil/water) wipe Lab Sample ID: 97-58255

Sample wt/vol: N/A (g/mL) ________ Lab File ID: D:SP15D255

% Moisture: N/A decanted: (Y/N) N Date Received: ________

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/24/97

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/27/97

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: ________ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/ft2	Q
12674-11-2 -------	Aroclor-1016	1	U
11104-28-2 -------	Aroclor-1221	1	U
11141-16-5 -------	Aroclor-1232	1	U
53469-21-9 -------	Aroclor-1242	1	U
12672-29-6 -------	Aroclor-1248	4.9	
11097-69-1 -------	Aroclor-1254	1	U
11096-82-5 -------	Aroclor-1260	3.6	

U= Not detected

EMSL ANALYTICAL INC.
3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

Chain of Custody / Analysis Request Form

EMSL Project # 97100417
PO # 32123/01

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Report to: Chris Andrews
Emcon
1 International Blvd.
Mahwah, NJ 07495

2. Bill to: Same

Project: Lockheed Martin
Great Neck
[illegible]

Tel #: (201) 512-5700
FAX #: (201) 512-5706

3. Sampled by (Signature) Joseph Iozzazza
4. # of Samples in Shipment 6
5. Date of Sample Shipment 9/18/97
6. Date Results Needed 9/23/97

Indicate Analysis Requested

Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO3	H2SO4	ICE	NONE	OTHER	Sampling: Date	Time	Number of Containers	PCBs	TPHC = GRO-DRO	RCRA Metals	Pesticides	Herbicides (EPA 8150)					Laboratory Number
1	1	GN-WB-07		X					X				X			9/18	10:00		X	X	X							58250
2	2	GN-RS-11		X				X					X			9/18	5:00					X	X					51
3	3	GN-O-01		X					X				X			9/18	1:30		X	X								52
4	4	GN-W-09		X					X							9/18	10:05		X									53
5	5	GN-W-10		X					X							9/18	10:05		X									54
6	6	GN-W-11		X					X							9/18	10:35		X									55
7																												
8																												
9																												

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
Joseph Iozzazza	9/18 / 5:00	FedEx		EMSL	9/19/ 10:10	
	/				/	
	/				/	

Please indicate turnaround time: standard 10D [✓ 5D] 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

ASBESTOS SAMPLE DATA

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York 11514
Phone (516) 997-7251 Fax (516) 997-7528

EMSL

Attn.: John Fenn
Emcon
One International Blvd
Suite 700
Mahwah, NJ 07495

Wednesday, October 01, 1997

Ref Number: LI977582

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/M4-82-020/ELAP 5.2.1-6.0 Methods*

Project: GREAT NECK, NY

				ASBESTOS		*NONASBESTOS*			
SAMPLE	*LOCATION*	*APPEARANCE*	*SAMPLE TREATMENT*	*%*	*TYPE*	*%*	*FIBROUS*	*%*	*NONFIBROUS*
CM284	M RM 60 D WALL SE CORNER	Grey Fibrous Heterogeneous	Crushed		None Detected	25.%	Cellulose	75.%	Matrix
CM285	M RM 60 D WALL NE CORNER	Cream Fibrous Heterogeneous	Crushed	6.%	Chrysotile	3.%	Cellulose	25.% 66.%	Ca Carbonate Matrix
CM289	M RM 63 A WALL NE CORNER	Brown Fibrous Heterogeneous	Teased		None Detected	80.%	Cellulose	20.%	Matrix
CM304	M RM 66 CEILING 5' OFF A WALLL W	Grey/White Fibrous Heterogeneous	Teased	22.% 11.%	Chrysotile Amosite			67.%	Matrix
CM305	M RM 66 CEILING 4' OFF A WALL W				Not Analyzed				
CM306	M RM CEILING 6' OFF A WALL W				Not Analyzed				

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Michelle McGowan

Michelle McGowan
Analyst

Approved
Signatory

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

MON - Sept 22 - 1997 L197-7582

PLM(PC)

L Representative: Philip K. Loh
ur Company Name: Emcon
Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495
Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

EMSL-Bill to: Emcon
Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834
Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

***S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.**

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POS. STOP

PLM
☐ EPA 600
☒ NOB
☐ Point Count
Other:

TEM FOR INCONCLUSIVE NOB's

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
m281	59-24-01	M Rm 59 ~~8~~ Col B Between 3 & 4	
m282	59-33-01	M Rm 59 5' W of B3	
m283	60-12-01	M Rm 60 D WALL Center	
m284	60-37M-01	M Rm 60 D WALL SW Corner	PLM(PC)
m285	60-38M-01	M Rm 60 D WALL NW Corner	PLM(PC)
m286	61-72-01	M Rm 61 C WALL 8' E of B-13	
m287	61-72-03	M Rm 61 18' E of B-13 on C WALL	

ient Sample # (s) CM281 - CM306 Total Samples: ~~28~~ ⑤

linquished: Carl J Mastykan Date: 9-23-97 Time: 9:30 AM

ceived: S. Robinson Date: 9/23/97 Time: 9:3 [illegible]

ed: Date: Time:

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
m288	62-72-03	MRm62 A WALL W of Col A-15	
Cm289	63-73-01	MRm63 A WALL NE Corner	PLM(PC)
Cm290	63-74-01	MRm63 C WALL Center	
Cm291	63 75-01	MRm63 C WALL Center	
Cm292	64-76-01	MRm64 C WALL SE Corner	
Cm293	64-76-02	MRm64 D WALL SW Corner	
Cm294	64-76-03	MRm64 A WALL NW Corner	
Cm295	FR-2-77-01	MFanRm#2 5' off D WALL Duct	
Cm296	FR1-77-02	MFANRm#1 5' off D WALL Duct	
Cm297	FR3-77-03	MFANRm#3 5' off D WALL Duct	
Cm298	65-78-01	M65 - A WALL NE Corner	
Cm299	65-79-01	M65 - A WALL NE Corner	
Cm300	65-78-02	MRm65 - A WALL NW Corner	
Cm301	65-79-02	MRm65 - A WALL NW Corner	
Cm302	65-78-03	MRm65 - C WALL SE Corner	
Cm303	65-79-03	MRm65 - C WALL SE Corner	
Cm304	66-80-01	MRm66 - Ceiling 5' off A WALL West	PLM(PC)
Cm305	66-80-02	MRm66 - Ceiling 4' off A WALL West	PLM(PC)
Cm306	66-80-03	MRm66 - Ceiling 6' off A WAL West	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York 11514
Phone (516) 997-7251 Fax (516) 997-7528

Attn.: John Fenn
Emcon
One International Blvd
Suite 700
Mahwah, NJ 07495

Wednesday, October 01, 1997

Ref Number: LI977582

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/M4-82-020/ELAP 5.2.1-6.0 Methods*

Project: GREAT NECK, NY

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS			
				%	TYPE	%	FIBROUS	%	NONFIBROUS
CM284		Grey Fibrous Heterogeneous	Crushed		None Detected	25.%	Cellulose	75.%	Matrix
CM285		Cream Fibrous Heterogeneous	Crushed		None Detected	3.%	Cellulose	25.% 72.%	Ca Carbonate Matrix
CM289		Brown Fibrous Heterogeneous	Teased		None Detected	80.%	Cellulose	20.%	Matrix
CM304		Grey/White Fibrous Heterogeneous	Teased	22.% 11.%	Chrysotile Amosite			67.%	Matrix
CM305					Not Analyzed				
CM306					Not Analyzed				

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Michelle McGowan

Michelle McGowan
Analyst

Approved
Signatory

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

MON - Sept 22 - 1997 L197-7582

PLM(PC)

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST Pos. STop

PLM
☐ EPA 600
☒ NOB
☐ Point Count
☐ Other:

TEM FOR INCONCLUSIVE NOB's

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM281	59-24-01	M Rm 59 Col B Between 3 & 4	
CM282	59-33-01	M Rm 59 5' W of B3	
CM283	60-12-01	M Rm 60 D WALL Center	
* CM284	60-37M-01	M Rm 60 D WALL SW Corner	PLM(PC)
* CM285	60-38M-01	M Rm 60 D WALL NW Corner	PLM(PC)
CM286	61-72-01	M Rm 61 C WALL 8' E of B-13	
CM287	61-72-03	M Rm 61 18' E of B-13 on C WALL	

Client Sample # (s) CM281 - CM306 Total Samples: ~~26~~ 5

Relinquished: Carl [illegible] Date: 9-23-97 Time: 9:30 AM
Received: S. Robinson Date: 9/23/97 Time: 9:30 AM
Received: Date: Time:

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
Cm288	62-72-03	M Rm 62 A WALL W of Col A-15	
* Cm289	63-73-01	M Rm 63 A WALL NE CORNER	PLM(PC)
Cm290	63-74-01	M Rm 63 C WALL Center	
Cm291	63 75-01	M Rm 63 C WALL Center	
Cm292	64-76-01	M Rm 64 C WALL SE Corner	
Cm 293	64-76-02	M Rm 64 D WALL SW Corner	
Cm 294	64-76-03	M Rm 64 A WALL NW Corner	
Cm295	FR-2-77-01	M Fan Rm #2 5' off D WALL Duct	
Cm 296	FR1-77-02	M FAN Rm #1 5' off D WALL Duct	
Cm297	FR3-77-03	M FAN RM #3 5' off D WALL Duct	
Cm 298	65-78-01	M65 - A WALL NE Corner	
Cm 299	65-79-01	M 65 - A WALL NE Corner	
Cm 300	65-98-02	M Rm 65 - A WALL NW Corner	
Cm301	65-79-02	M Rm 65 - A WALL NW Corner	
Cm302	65-78-03	M Rm 65 - C WALL SE Corner	
Cm 303	65-79-03	M Rm 65 - C WALL SE Corner	
* Cm 304	66-80-01	M Rm 66 - Ceiling 5' off A WALL West	PLM(PC)
* Cm 305	66-80-02	M Rm 66 - Ceiling 4' off A WALL West	PLM(PC)
Cm 306	66-80-03	M Rm 66 - Ceiling 6' off A WAL West	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251   F: 997-7528

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 1, 1997
Ref Number: LI977583
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM-281	Floor Tile	Green	98%	None Detected	2% Chrysotile
CM-282	Floor Tile	Grey	100%	None Detected	Inconclusive
CM-282M	Floor Tile Mastic	Black	100%	None Detected	Inconclusive
CM-283	Floor Tile	Tan	97.5%	None Detected	2.5% Chrysotile
CM-283M	Floor Tile Mastic	Black	97.9%	None Detected	2.1% Chrysotile
CM-286	Glazing	Grey	96.3%	None Detected	3.7% Chrysotile
CM-287	Caulking	Grey	100%	None Detected	<1.0% Chrysotile
CM-288	Caulking	Grey	100%	None Detected	Inconclusive
CM-290	Floor Tile	Brown	80%	None Detected	20% Chrysotile
CM-290M	Floot Tile Mastic	Black	95.4%	None Detected	4.6% Chrysotile
CM-291	Floor Tile	Grey	83%	None Detected	17% Chrysotile
CM-291M	Floor Tile Mastic	Black	97.1%	None Detected	2.9% Chrysotile
CM-292	Floor Tile	Dark Grey	98%	None Detected	2% Chrysotile
CM-292M	Floor Tile Mastic	Black	94.6%	None Detected	5.4% Chrysotile
CM-293	Floor Tile	Dark Grey	-----	-----	Not Analyzed
CM-293M	Floor Tile Mastic	Black	-----	-----	Not Analyzed
CM-294	Floor Tile	Dark Grey	-----	-----	Not Analyzed
CM-294M	Floor Tile Mastic	Black	-----	-----	Not Analyzed
CM-295	Tar	Black & Silver	96%	None Detected	1.2% Chrysotile 3.8% Anthophylite
CM-296	Tar	Black & Silver	-----	-----	Not Analyzed
CM-297	Tar	Black & Silver	-----	-----	Not Analyzed
CM-298	Floor Tile	Green	100%	None Detected	Inconclusive
CM-299	Floor Tile	Black	100%	None Detected	Inconclusive
CM-300	Floor Tile	Black	100%	None Detected	Inconclusive
CM-301	Floor Tile	Dark Green	100%	None Detected	Inconclusive
CM-302	Floor Tile	Green	100%	None Detected	Inconclusive
CM-303	Floor Tile	Black	100%	None Detected	Inconclusive

Michelle McGoon
Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

MON - Sept 22 - 1997 L197-7583

PLM(NOB)

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon
Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495
Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 9583
Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY
Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST Pos. STOP

PLM
☐ EPA 600
☒ NOB
☐ Point Count
☐ Other:

TEM FOR INCONCLUSIVE NOB's

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM281	58-24-01	M Rm 58 Col B Between 3 + 4	
CM282	59-33-01	M Rm 59 5' W of B3	
CM283	60-12-01	M Rm 60 D WALL Center	
CM284	60-37M-01	M Rm 60 D WALL SW Corner	PLM(POS)
CM285	60-38M-01	M Rm 60 D WALL NW Corner	PLM(POS)
CM286	61-72-01	M Rm 61 C WALL 8' E of B-13	
CM287	61-72-03	M Rm 61 18' E of B-13 on C WALL	

Client Sample # (s) CM281 - CM306 Total Samples: ~~26~~ 21

Relinquished: Date: 9-23-97 Time: 9:30 AM

Received: S. Robinson Date: 9/23/97 Time: 9:30 A

Received: Date: Time:

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbesto

SAMPLE NUMBER		LOCATION	VOLUME (If Applicabl
Cm288	62-72-03	MRm62 A WALL W of Col A-15	
Cm289	63-73-01	MRm63 A WALL NE Corner	PLM(PC)
Cm290	63-74-01	MRm63 C WALL Center	
Cm291	63 75-01	MRm63 C WALL Center	
Cm292	64-76-01	MRm64 C WALL SE Corner	
Cm293	64-76-02	MRm64 D WALL SW Corner	
Cm294	64-76-03	MRm64 A WALL NW Corner	
Cm295	FR-2-77-01	M Fan Rm#2 5' off D WALL Duct	
Cm296	FR1-77-02	M FAN Rm#1 5' off D WALL Duct	
Cm297	FR3-77-03	M FAN RM#3 5' off D WALL Duct	
Cm298	65-78-01	M65 - A WALL NE Corner	
Cm299	65-79-01	M65 - A WALL NE Corner	
Cm300	65-78-02	MRm65 - A WALL NW Corner	
Cm301	65-79-02	MRm65 - A WALL NW Corner	
Cm302	65-78-03	MRm65 - C WALL SE Corner	
Cm303	65-79-03	MRm65 - C WALL SE Corner	
Cm304	66-80-01	MRm66 - Ceiling 5' off A WALL West	PLM(PC
Cm305	66-80-02	M Rm66 - Ceiling 4' off A WALL West	PLM(PC
Cm306	66-80-03	M Rm66 - Ceiling 6' off A WAL West	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251   F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 1, 1997
Ref Number: LI977775
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM343	Floor Tile	Red	100%	None Detected	None Detected
CM343	Mastic	Black	100%	None Detected	None Detected
CM346	Floor Tile	Tan	100%	None Detected	None Detected
CM347	Floor Tile	Tan	100%	None Detected	None Detected
CM348	Floor Tile	Tan	100%	None Detected	None Detected
CM349	Roof Shingles	Black	100%	None Detected	None Detected
CM350	Roof Shingles	Black	100%	None Detected	None Detected

Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

THURS 9/25/97 PLM(NOB)

L197-7775

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air ☐ Floor Tile ☐ Soil
☒ Bulk ☐ Drinking Water ☐ Dust
☐ Wipe ☐ Wastewater

TURNAROUND

☐ 6-10 Days ☐ 72 Hours ☐ 24 Hours ☐ Same Day*
☐ 5 Days ☐ 48 Hours ☐ 12 Hours ☐ 6 Hours
*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POSITIVE STOP
TEM for inconclusive NOB

[✓ **PLM**]
☐ EPA 600
☒ NOB
☐ Point Count
☐ Other:

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM343	F-97-01	Foundry - S WALL Between Col. I 28	& I 26
CM344	M-98-01	MAN. - EAST OF COL P7	PLM(R)
CM345	M-98-02	MAN. - WEST OF COL P8	PLM(R)
CM346	M-99-01	MAN - EXIT 5 W WALL Center	
CM347	M-99-02	MAN - EXIT 5 E WALL Center	
CM348	M-99-03	MAN - EXIT 5 SW Corner.	
CM349	M-100-01	EXTerior MAN. S WALL 30' E of ENTRY #3	

Client Sample # (s) CM343 - CM350 Total Samples: ~~8~~ (6)
Relinquished: Cal J. Mont Date: 9-29-97 Time: 9:30 am
Received: S. Robinson Date: 9/29/97 Time: 9:30 Am
Received: Date: Time:

F = FOUNDRY M = manufacture.

EMSL Analytical, Inc.

CHAIN OF CUSTODY

PLM (NOB)

Asbestos

L197-7775

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM350	M-100-02	Exterior Many. Swall 40' E of Exit #3	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York 11514
Phone (516) 997-7251 Fax (516) 997-7528

EMSL

Attn.: John Fenn
Emcon
One International Blvd
Suite 700
Mahwah, NJ 07495

Wednesday, October 01, 1997

Ref Number: LI977679

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/M4-82-020/ELAP 5.2.1-6.0 Methods*

Project: GREAT NECK, NY

				ASBESTOS		*NONASBESTOS*			
SAMPLE	*LOCATION*	*APPEARANCE*	*SAMPLE TREATMENT*	*%*	*TYPE*	*%*	*FIBROUS*	*%*	*NONFIBROUS*
CM 321W		White Non-Fibrous Heterogeneous	Crushed		None Detected	5.%	Cellulose	20.% 75.%	Ca Carbonate Matrix
CM 322W		White Non-Fibrous Heterogeneous	Crushed		None Detected	5.%	Cellulose	30.% 65.%	Ca Carbonate Matrix
CM 323W		White Non-Fibrous Heterogeneous	Crushed		None Detected			60.% 40.%	Ca Carbonate Matrix
CM 321B		Brown Non-Fibrous Heterogeneous	Crushed		None Detected	10.%	Cellulose	90.%	Matrix
CM 322B		Brown Non-Fibrous Heterogeneous	Crushed		None Detected	5.%	Cellulose	95.%	Matrix
CM 323B		Brown Non-Fibrous Heterogeneous	Crushed		None Detected	10.%	Cellulose	90.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Michelle McGowan
Analyst

Approved
Signatory

Analysis performed by EMSL of Long Island (NVLAP Air and Bulk #101048-10, NY State E-Lap #11469).

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York 11514
Phone (516) 997-7251 Fax (516) 997-7528

EMSL

Attn.: John Fenn
Emcon
One International Blvd
Suite 700
Mahwah, NJ 07495

Wednesday, October 01, 1997

Ref Number: LI977679

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/M4-82-020/ELAP 5.2.1-6.0 Methods*

Project: GREAT NECK, NY

				ASBESTOS		*NONASBESTOS*			
SAMPLE	*LOCATION*	*APPEARANCE*	*SAMPLE TREATMENT*	*%*	*TYPE*	*%*	*FIBROUS*	*%*	*NONFIBROUS*
CM 324		Grey Fibrous Heterogeneous	Teased	18.%	Chrysotile			10.% 72.%	Ca Carbonate Matrix
CM 326		Various Fibrous Heterogeneous	Teased		None Detected	50.% 40.%	Cellulose Glass	10.%	Matrix
CM 342		Grey Fibrous Heterogeneous	Crushed	36.%	Chrysotile			64.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Michelle McGowan
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Long Island (NVLAP Air and Bulk #101048-10, NY State E-Lap #11469).

CHAIN OF CUSTODY

Asbestos

EMSL Analytical, Inc.

CHAIN OF CUSTODY

L197-7679 PLM

Asbestos

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

EMSL-Bill to: Emcon
Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

M)
EPA 600
NOB
oint
the.

1ST POS STOP
TEM for inconclusive
NOB

itative
titative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

um (PC)

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
21	LH-97-01	Bath NW Corner.	PLM(PC)
22	LH-97-02	Bath SE Corner.	↓
23	LH-97-03	Bath NE Corner	↓
4	LH-98-01	Basement D Wall Center.	PLM(PC)
5	LH-99-01	W side of Bridge S Corner	EXT
	LH-100-01	W side of Bridge 40'S	EXT PLM(PC)
	LH-101-01	EXT B Wall 10' from SE Corner	

CM 32i

CM 342

Date: 9-25-97 Total Samples: 22
Date: 9/25/97 Time: 930 Am
Date: Time: 9:55 Am
Time:

6 PLM (PC)

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

Thursday, October 02, 1997
Ref Number: LI97-7850
ELAP 11469
NVLAP 101049-10

Project: **Great Neck, NY**

Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM343	Floor Tile	Red	100%	None Detected	None Detected
CM343M	Mastic	Black	100%	None Detected	<1.0% Chrysotile
CM346	Floor Tile	Tan	100%	None Detected	None Detected
CM347	Floor Tile	Tan	100%	None Detected	None Detected
CM348	Floor Tile	Tan	100%	None Detected	None Detected
CM349	Roof Shingle	Black	100%	None Detected	None Detected

Analyst

Laboratory Director

*Results near 1% are not reliable by this method and a more accurate TEM method is recommended.
To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.

TEM NOB L197-7850

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

THURS 9/25/97 PLM(~~NOB~~)

L197-7775

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POSITIVE STOP
TEM for inconclusive NOB

PLM
☐ EPA 600
☑ NOB
☐ Point Count
☐ Other:

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM343	F-97-01	Foundry - S WALL Between Col. I28	& I26
CM344	M-98-01	MAN. - EAST OF COL P7	PLM(R)
CM345	M-98-02	MAN. - WEST OF COL P8	PLM(PC)
CM346	M-99-01	MAN - EXIT 5 W WALL Center	
CM347	M-99-02	MAN - EXIT 5 E WALL Center	
CM348	M-99-03	MAN - EXIT 5 SW Corner.	
CM349	M-100-01	EXTerior MAN. S WALL 30'E of ENTRY #3	

Client Sample # (s) CM343 - CM350 Total Samples: ~~8~~ 6

Relinquished: Date: 9-29-97 Time: 9:30 AM

Received: S. Robinson Date: 9/29/97 Time: 9:30 AM

Received: Date: Time:

F = FOUNDRY M = MANUFACTURE.

TEM NOB L197-7850

EMSL Analytical. Inc.

CHAIN OF CUSTODY PLM (NOB) L197-7775

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM350	M-100-02	Exterior Masonry. S wall 40' E of Exit #3	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 2, 1997
Ref Number: LI977573
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM244	Cove Base	Brown	100%	None Detected	Inconclusive
CM245	Cove Base	Brown	100%	None Detected	Inconclusive
CM246	Floor Tile	Brown	100%	None Detected	Trace Chrysotile
CM247	Floor Tile	Beige	100%	None Detected	Inconclusive
CM247M	Floor Tile & Mastic	Black	100%	None Detected	Inconclusive
CM248	Floor Tile	Grey	98.4%	None Detected	1.6% Chrysotile
CM249	Carpet & Mastic	Grey	100%	None Detected	Inconclusive
CM250	Carpet & Mastic	Grey	100%	None Detected	Inconclusive
CM251	Carpet & Mastic	Grey	100%	None Detected	Inconclusive
CM254	Floor Tile	Green	100%	None Detected	Inconclusive
CM254B	Floor Tile Backing	Black	100%	None Detected	Inconclusive
CM255	Floor Tile	Beige	92.2%	None Detected	7.8% Chrysotile
CM256	Floor Tile	Beige	**	**	Not Analyzed
CM257	Floor Tile	Beige	**	**	Not Analyzed
CM255M	Fl.oor Tile & Mastic	Black	96%	None Detected	4% Chrysotile
CM256M	Floor Tile & Mastic	Black	**	**	Not Analyzed
CM257M	Floor Tile & Mastic	Black	**	**	Not Analyzed
CM264	Floor Tile	Green	85%	None Detected	15% Chrysotile
CM265	Floor Tile	Green	**	**	Not Analyzed
CM266	Floor Tile	Green	**	**	Not Analyzed
CM264M	Mastic	Black	97%	None Detected	3% Chrysotile
CM265M	Mastic	Black	**	**	Not Analyzed
CM266M	Mastic	Black	**	**	Not Analyzed

Michele McE[illegible]
Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 2, 1997
Ref Number: LI977573
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

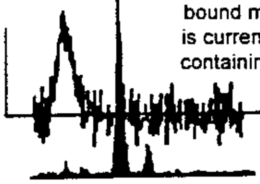
PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM269	Floor Tile	White	100%	None Detected	Inconclusive
CM269R	Floor Tile	Red	100%	None Detected	Inconclusive
CM270	Floor Tile	Red	100%	None Detected	Inconclusive
CM270R	Floor Tile	Red	100%	None Detected	Inconclusive
CM271	Floor Tile	Red	100%	None Detected	Inconclusive
CM271R	Floor Tile	Red	100%	None Detected	Inconclusive
CM269B	Mastic & Backing	Black	100%	None Detected	Inconclusive
CM270B	Mastic & Backing	Black	100%	None Detected	Inconclusive
CM271B	Mastic & Backing	Black	100%	None Detected	Inconclusive
CM272	Floor Tile	Brown	85%	None Detected	15% Chrysotile
CM273	Floor Tile	Brown	**	**	Not Analyzed
CM274	Floor Tile	Brown	**	**	Not Analyzed
CM272B	Backing & Mastic	Black	100%	None Detected	Inconclusive
CM273B	Backing & Mastic	Black	100%	None Detected	Inconclusive
CM274B	Backing & Mastic	Black	100%	None Detected	Inconclusive
CM275	Floor Tile	Grey	93.2%	None Detected	6.8 Chrysotile
CM276	Floor Tile	Green	100%	None Detected	Inconclusive
CM276M	Mastic	Black	100%	None Detected	Inconclusive
CM277	Floor Tile	Green	100%	None Detected	Trace Anthophyllite
CM277B	Backing & Mastic	Brown	96%	None Detected	4% Chrysotile
CM279	Floor Tile	Brown	77%	None Detected	23% Chrysotile
CM279G	Floor Tile	Grey	100%	None Detected	Inconclusive
CM279M	Mastic	Black	95.7%	None Detected	4.3% Chrysotile

Michele McGowan
Analyst

Laboratory
Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.



EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAT Sept 20 1997

LI97-7557

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

- ☐ Air
- ☒ Bulk
- ☐ Wipe
- ☐ Floor Tile
- ☐ Drinking Water
- ☐ Wastewater
- ☐ Soil
- ☐ Dust

TURNAROUND

- ☐ 6-10 Days
- ☐ 5 Days
- ☐ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours
- ☐ 12 Hours
- ☐ Same Day*
- ☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
- ☐ NIOSH 7400
- ☐ OSHA
- ☐ Other:

1st positive stop

PLM
- ☐ EPA 600
- ☒ NOB
- ☐ Point Count
- ☐ Other:

TEM for inconclusive NOB.

SEM
- ☐ Qualitative
- ☐ Quantitative

TEM AIR
- ☐ AHERA
- ☐ NIOSH 7402
- ☐ Level I
- ☐ Level II

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield
- ☐ Chatfield / SEM QC
- ☐ Conventional (Quantitative)
- ☐ EMSL Method
- ☐ NOB
- ☐ NOB / SEM QC
- ☐ Micro Vac - Quantitative
- ☐ Micro Vac - Qualitative

TEM WATER
- ☐ Wastewater
- ☐ Drinking Water EPA 100.1
- ☐ Water - NY Wastewater
- ☐ Water-NY Drinking Water

TEM WIPE
- ☐ Quantitative
- ☐ Qualitative

XRD
- ☐ Asbestos
- ☐ Silica

OTHER
- ☐

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
Cm244 [illegible]	[illegible]	PLM NOB
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible] 247 [illegible]	[illegible]	[illegible]
[illegible]	[illegible]	
[illegible]	[illegible] 4 [illegible] 4 [illegible]	3 [illegible]
[illegible]	[illegible]	Q [illegible]

Client Sample # (s) [illegible] - [illegible] Total Samples: 37

Relinquished: Date: [illegible] Time: [illegible]

Received: S. Roberts Date: 9/22/97 Time: 9:35 Am

Received: Date: Time:

26 PLM NOB

EMSL Analytical, Inc.

CHAIN OF CUSTODY

L397-7557

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM251	44-[illegible]-03	[illegible] E [illegible] 14 B:Tm [illegible]	[illegible]
CM252	45-62-01	In Rm 45 5' from R wall	
CM 253	45-62-02	In Rm 45 5' from D WALL	
CM254	42-63-01	In Rm 42 Janitor Closet center	PLM NOO
CM 255	46-64-01	In Rm 46 5' ~~from~~ W [illegible] P10	
CM 256	46-64-02	In Rm 46 15' W [illegible] P19	
CM 257	46-64-03	In Rm 46 20' W [illegible] P19	
CM 258	4639m-01	In Rm 46 C WALL [illegible] B wall	
CM 259	4639m-02	In Rm 46 D WALL 3'S of A WALL	
CM 260	[illegible]	In Rm 43 [illegible]	
CM261	4[illegible]-03	In Rm 47 [illegible] Duct	
[illegible]	[illegible]-5-01	[illegible] 4' of B wall N	
[illegible]	[illegible]-02	In Rm 49 D wall	
[illegible]	50-66-01	In Rm 50 [illegible]	PLM NOB
[illegible]	51-[illegible]-02	In Rm 51 [illegible]	
[illegible]	52-66-03	In Rm 52 [illegible]	
[illegible]	53-37m 03	In Rm 53 B wall Top/Landing	
[illegible]	53-[illegible]-02	In Rm 53 D wall	
[illegible]	54-61-01	In Rm 54 [illegible] 5F	PLM NOB
[illegible]	[illegible]-61-02	In Rm 5[illegible] [illegible] 5F	
[illegible]	[illegible]-61-[illegible]	[illegible] 3F	
[illegible]2	[illegible]-6[illegible]	[illegible] F [illegible] 2&4	
[illegible]	[illegible]	[illegible] 3&4	
[illegible]	[illegible]	[illegible] 3&4	
[illegible]	56-[illegible]	[illegible] 6 [illegible] 34	
[illegible]	57-[illegible]	[illegible] Top of Landing	
[illegible]	58-[illegible]	In Rm 58 [illegible]	
[illegible]	58-7[illegible]-02	[illegible]	
[illegible]	5[illegible]-71-0[illegible]	[illegible] Closet	
[illegible]	[illegible]-02	[illegible] Closet	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

Thursday, October 02, 1997
Ref Number: LI977851
ELAP 11469
NVLAP 101049-10

Project: **Great Neck, NY**

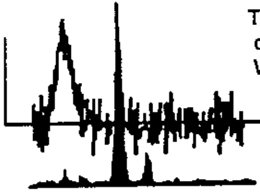
Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM282	Floor Tile	Grey	100%	None Detected	Inconclusive
CM282M	Floor Tile & Mastic	Black	100%	None Detected	Inconclusive
CM287	Caulking	Grey	100%	None Detected	<1.0% Chrysotile
CM288	Caulking	Grey	98.4%	None Detected	1.6% Chrysotile
CM298	Floor Tile	Green	100%	None Detected	None Detected
CM299	Floor Tile	Black	100%	None Detected	None Detected
CM301	Floor Tile	Dark Green	100%	None Detected	None Detected
CM302	Floor Tile	Green	100%	None Detected	None Detected
CM303	Floor Tile	Black	100%	None Detected	None Detected

Analyst

Laboratory Director

*Results near 1% are not reliable by this method and a more accurate TEM method is recommended.
To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.



EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbesto

L197-7851 MON - Sept 22-1997 ~~L197-1583~~ PLM(NOB)

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

EMSL-Bill to: Emcon
Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 958

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123 00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POS. STOP

[✓ PLM]
☐ EPA 600
☒ NOB
☐ Point Count
☐ Other:

TEM FOR INCONCLUSIVE NOB'S

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable
CM281	59-24-01	M Rm 59 Col B Between 3+4	
* Cm282 TM	59-33-01	M Rm 59 5' W of B3	
[illegible]	60-12-01	M Rm 60 D WALL Center	
Cm284	60-37m-01	M Rm 60 D WALL SW Corner	PLM(PC)
Cm285	60-38m-01	M Rm 60 D WALL NW Corner	PLM([illegible])
Cm286	61-72-01	M Rm 61 C WALL 8' E of B-13	
Cm287	61-72-03	M Rm 61 18' E of B-13 on C WALL	

Client Sample # (s) CM281 - Cm306 Total Samples: ~~26~~ 2

Relinquished: Date: 9-23-97 Time: 9:30A
Received: J. Robinson Date: 9/23/97 Time: 9:3
Received: Date: Time:

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbes

SAMPLE NUMBER		LOCATION	VOLUME (If Applica
Cm288	62-72-03	MRm62 A WALL W of Col A-	15
Cm289	63-73-01	MRm63 A WALL NE Corner	PLM(PC)
CM290	63-74-01	MRm63 C WALL CENTER	
CM291	63.75-01	MRm63 C WALL CENTER	
CM292	64-76-01	MRm64 C WALL SE Corner	
CM 293	64-76-02	M Rm 64 D WALL SW Corner	
CM 294	64-76-03	M Rm 64 A WALL NW Corner	
CM295	FR-2-77-01	M FanRm#2 5' off D WALL DUCT	
Cm 296	FR1-77-02	M FAN Rm#1 5' off D WALL DUCT	
Cm297	FR3-77-03	M FAN Rm#3 5' off D WALL DUCT	
Cm 298	65-78-01	M65 - A WALL NE Corner	
CM 299	65-79-01	M65 - A WALL NE Corner	
Cm 300	65-98-02	MRm65 - A WALL NW Corner	
Cm301	65-79-02	M Rm65 - A WALL NW Corner	
Cm302	65-78-03	M Rm65 - C WALL SE Corner	
Cm 303	65-79-03	MRm 65 - C WALL SE Corner	
Cm304	66-80-01	M Rm66 - Ceiling 5' off A WALL West	PLM(
Cm305	66-80-02	M Rm66 - Ceiling 4' off A WALL West	PLM
Cm306	66-80-03	M Rm66 - Ceiling 6' off A WAL West	
		497-7851 TEM req	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

Thursday, October 02, 1997
Ref Number: LI97-7850
ELAP 11469
NVLAP 101049-10

Project: **Great Neck, NY**

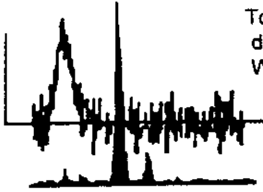
Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM244	Cove Base	Brown	100%	None Detected	None Detected
CM245	Cove Base	Brown	100%	None Detected	None Detected
CM246	Floor Tile	Brown	97.7%	None Detected	2.3% Chrysotile
CM247	Floor Tile	Beige	100%	None Detected	None Detected
CM247M	Floor Tile & Mastic	Black	100%	None Detected	None Detected
CM249	Carpet & Mastic	Grey	100%	None Detected	None Detected
CM250	Carpet & Mastic	Grey	100%	None Detected	Trace Chrysotile
CM251	Carpet & Mastic	Grey	100%	None Detected	Trace Chrysotile
CM254	Floor Tile	Green	100%	None Detected	None Detected
CM254B	Floor Tile Backing	Black	100%	None Detected	None Detected
CM269	Floor Tile	White	100%	None Detected	None Detected
CM269R	Floor Tile	Red	100%	None Detected	None Detected
CM269B	Mastic & Backing	Black	100%	None Detected	None Detected
CM270	Floor Tile	White	100%	None Detected	None Detected
CM270R	Floor Tile	Red	100%	None Detected	Trace Chrysotile
CM270B	Backing & Mastic	Black	100%	None Detected	None Detected
CM271	Floor Tile	White	100%	None Detected	None Detected
CM271R	Floor Tile	Red	100%	None Detected	None Detected
CM271B	Backing & Mastic	Black	100%	None Detected	None Detected
CM272B	Backing & Mastic	Black	100%	None Detected	None Detected
CM276	Floor Tile	Green	100%	None Detected	None Detected
CM276M	Mastic	Black	100%	None Detected	None Detected
CM277	Floor Tile	Green	100%	None Detected	Trace Anthophylite
CM279G	Floor Tile	Green	100%	None Detected	None Detected

Analyst

Laboratory
Director

*Results near 1% are not reliable by this method and a more accurate TEM method is recommended.
To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.



EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAT Sept 20 1997

~~L197-7557~~ → TEM L197-7840

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento. CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air ☐ Floor Tile ☐ Soil
☒ Bulk ☐ Drinking Water ☐ Dust
☐ Wipe ☐ Wastewater

TURNAROUND

☐ 6-10 Days ☐ 72 Hours ☐ 24 Hours ☐ Same Day*
☐ 5 Days ☐ 48 Hours ☐ 12 Hours ☐ 6 Hours
*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other: 1st positive Stop

PLM
☐ EPA 600 TEM for inconclusive
☒ NOB NOB.
☐ Point Count
☐ Other:

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☒ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
Cm244	42-59-01	M Rm 42 E wall Center	PLM NOB ↓
Cm245	42-59-02	M Rm 42 W wall Near Door	
Cm246	42 42-01	M Rm 42 E wall Center	
Cm247+M	43-60-02	M Rm 43 N of Col 16 Between G+P	Top of Men Rm Stairs
Cm248	43-12-01	M Rm 43 Col P16	
Cm249	44-61-01	M Rm 44 E of Col 14 between P+Q (N)	
Cm250	44-61-02	M Rm 44 E of Col 14 between P+Q (Center)	

Client Sample # (s) Cm244 - Cm280 Total Samples: 37

Relinquished: Date: 9-22-97 Time: 9 30 AM

Received: S. Robbins Date: 9/22/97 Time: 9:35 AM

Received: Date: Time:

26 PLM NOB

EMSL Analytical, Inc.

CHAIN OF CUSTODY

1797-2557

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
Cm251	44-61-03	M Rm 44 E of Col 14 Between P & Q	South
Cm252	45-62-01	M Rm 45 5' from B wall	
Cm 253	45-62-02	M Rm 45 5' from D WALL	
Cm 254M	42-63-01	M Rm 42 Janitor Closet center	PLM NOO
Cm 255	46-64-01	M Rm 46 5' ~~fr~~ W of col P19	
Cm 256	46-64-02	M Rm 46 15' W of col P19	
Cm 257	46-64-03	M Rm 46 20' W of col P19	
Cm 258	46 39m-01	M Rm 46 C wall 10' W of B wall	
Cm 259	46 39m-02	M Rm 46 D WALL 3' S of A wall	
Cm 260	43-38m-01	M Rm 43 at col P16 & wall	
Cm 261	47-62-03	M Rm 47 center Duct	
Cm 262	48-65-01	M Rm 48 4' off B wall N	
Cm 263	49-65-02	M Rm 49 D WALL	
Cm 264	50-66-01	M Rm 50 NW Corner	PLM NOB
Cm 265	51-66-02	M Rm 51 NW Corner	
Cm 266	52 66-03	M Rm 52 SW Corner	
Cm 267	53-37m-03	M Rm 53 B WALL Top of Landing	
Cm 268	53-38m-02	M Rm 53 D WALL	
Cm 269M	54-67-01	M Rm 54 E of Col 3P	PLM NOB
Cm 270	54-67-02	M Rm 54 E of Col 3P	
Cm 271	54-67-03	M Rm 54 E of Col 3P	
Cm 272M	55-68-01	M Rm 55 col P between 3 & 4	
Cm-273M	55-68-02	M Rm 55 col P between 3 & 4	
Cm-274M	55-68-03	M Rm 55 col P between 3 & 4	
Cm-275	56-12-02+	M Rm 56 ON Col O4	
Cm-276	57-69-01	M Rm 57 Top of Landing	
Cm-277	58-70-01	M Rm 58 N of D WALL	
Cm 278	58-70-02	M Rm 58 D wall North	
Cm 279	58-71-01	M Rm 58 Near entrance C wall	
Cm 280	58-71-02	M Rm 58 Near entrance C wall	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 2, 1997
Ref Number: LI97-7558
ELAP 11469
NVLAP 101048-10

Project: Great Neck, NY

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM221	Floor Tile	Blue	100%	None Detected	Inconclusive
CM222	Floor Tile	Blue	100%	None Detected	Inconclusive
CM223	Floor Tile	Blue	100%	None Detected	Inconclusive
CM224	Floor Tile	Grey	100%	None Detected	Inconclusive
CM225	Floor Tile	Grey	100%	None Detected	Inconclusive
CM226	Floor Tile	Grey	100%	None Detected	Inconclusive
CM224M	Mastic	Black	95.9%	None Detected	4.1% Chrysotile
CM225M	Mastic	Black	**	**	**Not Analyzed
CM226M	Mastic	Black	**	**	**Not Analyzed
CM227	Floor Tile	Grey	93.5%	None Detected	6.5% Chrysotile
CM228	Floor Tile	Grey	**	**	**Not Analyzed
CM229	Floor Tile	Grey	**	**	**Not Analyzed
CM227M	Mastic	Black	97.7%	None Detected	2.3% Chrysotile
CM228M	Mastic	Black	**	**	**Not Analyzed
CM229M	Mastic	Black	**	**	**Not Analyzed
CM230	Floor Tile	Brown	100%	None Detected	Inconclusive
CM231	Floor Tile	Brown	100%	None Detected	Inconclusive
CM232	Floor Tile	Brown	100%	None Detected	Inconclusive
CM233	Floor Tile	White	92%	None Detected	8% Chrysotile / Trace Anthophylite
CM234	Floor Tile	White	95.9%	None Detected	4.1% Chrysotile
CM235	Floor Tile	White	**	**	**Not Analyzed
CM236	Floor Tile	White	**	**	**Not Analyzed
CM234M	Mastic	Black	97.3%	None Detected	2.7% Chrysotile
CM235M	Mastic	Black	**	**	**Not Analyzed
CM236M	Mastic	Black	**	**	**Not Analyzed
CM237	Floor Tile	White	96%	None Detected	4.0% Chrysotile
CM238	Floor Tile	White	96%	None Detected	4% Chrysotile / Trace Anthophylite
CM239	Floor Tile	White	**	**	**Not Analyzed
CM240	Floor Tile	White	**	**	**Not Analyzed
CM238M	Mastic	Black	95.3%	None Detected	4.7% Chrysotile
CM239M	Mastic	Black	**	**	**Not Analyzed
CM240M	Mastic	Black	**	**	**Not Analyzed
CM238A	Floor Tile	Green	98%	None Detected	2.0% Chrysotile
CM239A	Floor Tile	Green	**	**	**Not Analyzed
CM240A	Floor Tile	Green	**	**	**Not Analyzed
CM241	Floor Tile	White	96.7%	None Detected	3.3% Chrysotile
CM242	Floor Tile	Green	97.8%	None Detected	2.2% Chrysotile
CM242M	Mastic	Black	98.6%	None Detected	1.4% Chrysotile

Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.

EMSL Analytical, Inc.

CHAIN OF CUSTODY

7849 Asbestos

FRi Sept 19 1997 LI97-7558

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

EMSL-Bill to: Emcon
Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST positive STOP

PLM
☐ EPA 600
☐ NOB
☐ Point Count
☐ Other:

TEM FOR inconclusive NOB.

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
Cm221	36-54-01	M-Rm36 N of Col. M8	TEM
Cm222	36-54-02	M-Rm36 N of Col M8	↓
Cm223	36-54-03	M-Rm36 N of Col M8	↓
Cm224	37-55-01	M-Rm37 W of Col P8	TEM
Cm225	37-55-02	M-Rm37 W of Col P8	↓
Cm226	37-55-03	M-Rm37 W of Col P8	↓
Cm227	3756-01	M-Rm37 W of Col P8	(10 SF)

Client Sample # (s) Cm221 - Cm243 Total Samples: 23

Relinquished: Date: 9-22-97 Time: 930 AM
Received: S. Robinson Date: 9/22/97 Time: 9:35 AM
Received: Date: Time:

EMSL Analytical, Inc. **CHAIN OF CUSTODY** 7849 **Asbestos**

LI97-~~7558~~

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM228	37-56-02	M Rm 37 W of Col P8	(10 sf)
CM229	37-56-03	M Rm 37 W of Col P8	
CM230	36-57-01	M Rm 36 E of Col I7	(100 sf) TEM
CM231	36-57-02	M Rm 36 E of Col I7	↓
CM232	36-57-03	M Rm 36 E of Col I7	
CM233	41-12-01	M Rm 41 Col G2	
CM234	41-58 01	M Rm 41 on Col G3	
CM235	41-58 02	M Rm 41 on Col G3	
CM236	41-58 03	M Rm 41 on Col F3	
CM237	40-12-02	M Rm 40 on Col K6	
CM238	34-12A-01	M Rm 34 Col H8	(DOUBLE LAYER TILE)
CM239	34-12A-02	M Rm 34 Col G8	(DOUBLE LAYER TILE
CM240	34-12A-03	M Rm 34 S of Col F9	(DOUBLE LAYER TILE)
CM241	34-12-03	M Rm 34 Col E7	
CM242	39-12A-04	M Rm 39 Col G6	Double Layer
CM243	39-12A-05	M Rm 39 Col D6	Double Layer

EMSL Analytical, Inc.

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Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 2, 1997
Ref Number: LI97680
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM327	Roof Material	Not Supplied	100%	None Detected	Inconclusive
CM328	Caulking	Grey	98.5%	None Detected	1.5% Chrysotile
CM329	Caulking	Grey	98.5%	None Detected	1.5% Chrysotile
CM330	Caulking	Grey	97.9%	None Detected	2.1% Anthophylite
CM331	Caulking	Grey	100%	None Detected	Inconclusive
CM332	Floor Tile	Grey	100%	None Detected	Inconclusive
CM333	Floor Tile	Grey	100%	None Detected	Inconclusive
CM334	Floor Tile	Grey	100%	None Detected	Inconclusive
CM335	Floor Tile	Grey	100%	None Detected	Inconclusive
CM336	Floor Tile	Brown	100%	None Detected	7.8% Chrysotile
CM337	Floor Tile	Brown	**	**	**Not Analyzed
CM338	Floor Tile	Brown	**	**	**Not Analyzed
CM339	Caulking	Grey	100%	None Detected	<1.0% Anthophylite / Trace Chrysotile
CM340	Caulking	Grey	100%	None Detected	Trace Chrysotile
CM341	Floor Tile	Grey	97.1%	None Detected	2.9% Chrysotile
CM325	Felt	Black	100%	None Detected	Inconclusive

Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.

EMSL Analytical, Inc.

CHAIN OF CUSTODY

785 **Asbestos**

PLM NOB L197-~~7680~~

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other: ________

1ST POS STOP
TEM for inconclusive NOB

PLM
☐ EPA 600
☒ NOB
☐ Point Count
☐ Other: ________

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐ ________

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
CM 321 LH-97-01	Bath NW corner	PLM (PC)
CM 322 LH-97-02	Bath SE corner	↓
CM 323 LH-97-03	Bath NE Corner	
CM 324 LH-98-01	Basement D WALL center.	PLM (PC)
TEM CM 325 LH-99-01	W side of Bridge S corner.	EXT
CM 326 LH-100-01	W side of Bridge 40'S	EXT PLM (PC)
CM 327 LH-101-01	EXT B WALL 10' from SE Corner	TEM

Client Sample # (s) CM 321 - CM 342 Total Samples: 22

Relinquished: Date: 9-25-97 Time: 9^{30} Am

Received: Robinson Date: 9/25/97 Time: 9:55 Am

Received: ________ Date: ________ Time: ________

6 PLM (PC)

EMSL Analytical, Inc.

CHAIN OF CUSTODY

LI97-7855

Asbestos

TEM

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM 328	LH - 102-01	EXT W side SW corner	window
CM 329	F - 90-01	Foundry Bwall NE - ON	Col E28 · [illegible]
CM 330	F - 90-02	Foundry BWALL NE Between	Col A28 & C28
CM 331	F - 90-03	Foundry BWALL Between Col	C28 & E28
CM 332	F - 91-01	Foundry on Col C23	
CM 333	F - 92-01	Foundry on Col C23	
CM 334	F - 91-02	Foundry on Col E23	
CM 335	F - 92-02	Foundry on Col E23	
CM 336	EV- 93-01	EVIRO AWALL col A1	
CM 337	EV- 93-02	EVIRO AWALL center Between	col A1 & A2
CM 338	EV- 93-03	EVIRO DWALL Col D1	
CM 339	EV- 94-01	EVIRO DWALL col A1	
CM 340	EV- 94-02	EVIRO DWALL Col D1	
CM 341	EV- 95-01	EVIRO col C2	
CM 342	EV- 96-01	EVIRO LAB Top Between 3	C & 3D PLM(PC)
		7855	
		L197 - ~~7680~~ PLM NOB	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 2, 1997
Ref Number: LI97-7682
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

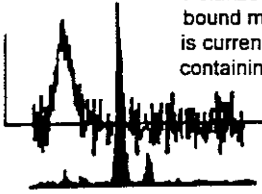
PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM307	Floor Tile	Green	100%	None Detected	Trace Chrysotile
CM308	Caulking	Grey	100%	None Detected	Inconclusive
CM309	Caulking	Grey	100%	None Detected	Inconclusive
CM316	Caulking	Grey	100%	None Detected	Trace Chrysotile
CM317	Caulking	Grey	98.2%	None Detected	1.8% Chrysotile
CM318	Caulking	Grey	**	**	**Not Analyzed

Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.



EMSL Analytical, Inc.

CHAIN OF CUSTODY

BH - Boiler House.

Asbestos

F.O. Facility operation

PLM NOB 497-7682

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POS STOP

PLM
☐ EPA 600
☐ NOB
☐ Point Count
☐ Other: TEM FOR inconclusive NOBs.

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
Cm307 G-36-01	G-office NW Corner.	PLM NOB
Cm308 G-81-01	G N wall col A12	↓
Cm309 G-81-02	G N wall col A10	
Cm310 G-82-01	G Top of Office SW Corner	
Cm311 G-83-01	G Top of office SW Corner.	
Cm312 BH-84-01	BH Behind Feeder 6	
Cm313 BH 85-01	BH Behind Boiler 6 S side	

Client Sample # (s) Cm 307 - Cm 320 Total Samples: 14
Relinquished: Date: 9-24-97 Time: 930 Am.
Received: S Robinson Date: 9/24/97 Time: 9:45Am
Received: Date: Time:

6 PLM NOB

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM314	BH-86-01	BH Behind Unit 5 South	
CM315	BH 86-02	BH Front Unit 6 North	
CM316	BH 87-01	BH col A 4 N wall	PLM NOB
Cm 317	BH 87-02	BH Col A 6 N wall	↓
Cm 318	BH 87-03	BH col A 8 N wall	
CM 319	FO.88-01	Facilities Oper. NW Corner	
CM-329	FO 89-01	Facilities Oper. NW Corner.	
		PLM NOB 497-7682	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

Thursday, October 02, 1997
Ref Number: LI97-7849
ELAP 11469
NVLAP 101049-10

Project: **Great Neck, NY**

Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM221	Floor Tile	Blue	100%	None Detected	None Detected
CM222	Floor Tile	Blue	100%	None Detected	None Detected
CM223	Floor Tile	Blue	100%	None Detected	None Detected
CM224	Floor Tile	Grey	94.1%	None Detected	4.9% Chrysotile
CM225	Floor Tile	Grey	**	**	**Not Analyzed
CM226	Floor Tile	Grey	**	**	**Not Analyzed
CM230	Floor Tile	Brown	100%	None Detected	None Detected
CM231	Floor Tile	Brown	100%	None Detected	None Detected
CM232	Floor Tile	Brown	100%	None Detected	None Detected

Analyst

Laboratory Director

*Results near 1% are not reliable by this method and a more accurate TEM method is recommended.
To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.

EMSL Analytical, Inc.

CHAIN OF CUSTODY

7847/**Asbestos**

FRI Sept 19 1997 LI97-7558

EMSL Representative: Philip K. Loh

Your Company Name: Emcon

Street: One International Blvd.

Box #: Suite 700

City/State: Mahwah, NJ Zip: 07495

EMSL-Bill to: Emcon

Street:

Box #: PO Box 349014

City/State: Sacramento, CA Zip 95834

Phone Results to: Name: Chris Andrews

Telephone #: 201-512-5700

Project Name/Number: Great Neck, NY

Fax Results to: Name:

Fax #: 201-512-5786

Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POSITIVE STOP

PLM
☐ EPA 600
☒ NOB
☐ Point Count
☐ Other:

TEM FOR INCONCLUSIVE NOB.

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
Cm221	36-54-01	M-Rm36 N of Col. M8	TEM
Cm222	36-54-02	M-Rm36 N of Col M8	↓
Cm223	36-54-03	M-Rm36 N of Col M8	↓
Cm224	37-55-01	M-Rm37 W of Col P8	TEM
Cm225	37-55-02	M-Rm37 W of Col P8	↓
Cm226	37-55-03	M-Rm37 W of Col P8	↓
Cm227	3756-01	M-Rm37 W of Col P8	(10 sf)

Client Sample # (s) Cm221 - Cm243 Total Samples: 23

Relinquished: Carl J. M[illegible] Date: 9-22-97 Time: 930 Am

Received: S. Robinson Date: 9/22/97 Time: 9:35 Am

Received: Date: Time:

EMSL Analytical, Inc.

CHAIN OF CUSTODY 7849 **Asbestos**

LI97-~~755~~8

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable
Cm228	37-56-02	M Rm 37 W of Col P8	(10 sf)
Cm229	37-56-03	M Rm 37 W of Col P8	
Cm230	36-57-01	M Rm 36 E of Col I7	(100 sf) TEM
Cm231	36-57-02	M Rm 36 E of Col I7	↓
Cm232	36-57-03	M Rm 36 E of Col I7	
Cm233	41-12-01	M Rm 41 Col G2	
Cm234	41-58 01	M Rm 41 on Col G3	
Cm235	41-58 02	M Rm 41 on Col G3	
Cm236	41-58 03	M Rm 41 on Col F3	
Cm237	40-12-02	M Rm 40 on Col K6	
Cm238	34-12A-01	M Rm 34 Col H8	(DOUBLE Layer: TILE
Cm239	34-12A-02	M Rm 34 Col G8	(DOUBLE LAYER T.
Cm240	34-12A-03	M Rm 34 S [illegible] of Col F9	(DOUBLE LAYER TIL
Cm241	34-12-03	M Rm 34 Col E7	
Cm242	39-12A-04	M Rm 39 Col G6	Double Layer
Cm243	39-12A-05	M Rm 39 Col D6	Double Layer

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York 11514
Phone (516) 997-7251 Fax (516) 997-7528

EMSL

Attn.: John Fenn
Emcon
One International Blvd
Suite 700
Mahwah, NJ 07495

Friday, October 03, 1997

Ref Number: LI977681

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT
Performed by EPA 600/M4-82-020/ELAP 5.2.1-6.0 Methods*

Project: GREAT NECK, NY

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS			
				%	TYPE	%	FIBROUS	%	NONFIBROUS
CM310	G- TOP OF OFFICE SW CORNER	Grey Fibrous Heterogeneous	Teased		None Detected	85.%	Cellulose	15.%	Matrix
CM311	G- TOP OF OFFICE SW CORNER	White Fibrous Heterogeneous	Teased	15.% 5.%	Chrysotile Amosite			80.%	Matrix
CM312	BH BEHIND FEEDER 6	Grey Fibrous Heterogeneous	Teased	80.%	Chrysotile			20.%	Matrix
CM313	BH BEHIND BOILER 6 S SIDE	Grey Fibrous Heterogeneous	Crushed	17.%	Chrysotile			83.%	Matrix
CM314	BH BEHIND UNIT 5 SOUTH	Grey Fibrous Heterogeneous	Teased	100.%	Chrysotile				
CM315	BH BEHIND UNIT 6 NORTH				Not Analyzed				

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Michelle McGowan

Michelle McGowan
Analyst

Approved
Signatory

Analysis performed by EMSL of Long Island (NVLAP Air and Bulk #101048-10, NY State E-Lap #11469).

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York 11514
Phone (516) 997-7251 Fax (516) 997-7528

EMSL

Attn.: John Fenn
Emcon
One International Blvd
Suite 700
Mahwah, NJ 07495

Friday, October 03, 1997

Ref Number: LI977681

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/M4-82-020/ELAP 5.2.1-6.0 Methods*

Project: GREAT NECK, NY

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS			
				%	TYPE	%	FIBROUS	%	NONFIBROUS
CM319	FACILITIES NW CORNER	White Fibrous Heterogeneous	Teased	15.% 6.%	Chrysotile Amosite			79.%	Matrix
CM320	FACILITIES NW CORNER	Grey Fibrous Heterogeneous	Crushed		None Detected	5.% 30.%	Cellulose Glass	65.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Michelle McGowan

Michelle McGowan
Analyst

Approved
Signatory

EMSL Analytical, Inc.

CHAIN OF CUSTODY

BH - Boiler House.

F.O. Facility operation

Asbestos

PLM(PC) 497-7681

EMSL Representative: Philip K. Loh
Your Company Name: Emcon

EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☑ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POS STOP

PLM (circled)
☐ EPA 600
☐ NOB
☐ Point Count
☐ Other: NOBs

TEM FOR inconclusive NOBs

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM307	G-36-01	G-office NW Corner	PLM NOB
CM308	G-86-01	G N wall col A12	↓
CM309	G-81-02	G N wall col A10	
CM310	G-82-01	G Top of Office SW Corner	
CM311	G-83-01	G Top of office SW Corner	
CM312	BH-84-01	BH Behind Feeder 6	
CM313	BH 85-01	BH Behind Boiler 6 S side	

Client Sample # (s) CM 307 - CM 320 Total Samples: 14

Relinquished: Carl J. Date: 9-24-97 Time: 9:30 pm

Received: S. Robinson Date: 9/24/97 Time: 9:45 Am

Received: Date: Time:

6 PLM NOB

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM314	BH-86-01	BH Behind Unit 5 South	
CM315	BH 86-02	BH Front Unit 6 North	
CM316	BH 87-01	BH Col A 4 N wall	PLM NOB
CM 317	BH 87-02	BH Col A 6 N wall	↓
CM 318	BH 87-03	BH col A 8 N wall	↓
CM 319	FO.88-01	Facilities Oper. NW Corner	
CM-329	FO 89-01	Facilities Oper. NW Corner.	
		PLM(PC) L197-7681	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 3 , 1997
Ref Number: LI977855
ELAP 11469
NVLAP 101049-10

Project: **Great Neck, NY**

Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM325	Tar	Black	100%	None Detected	None Detected
CM327	Roof Material	Black	100%	None Detected	None Detected
CM331	Caulking	Grey	100%	None Detected	None Detected
CM332	Tile	Grey	100%	None Detected	None Detected
CM333	Tile	Grey	100%	None Detected	None Detected
CM334	Tile	Grey	100%	None Detected	None Detected
CM335	Tile	Grey	97.3%	None Detected	2.7% Chrysotile
CM339	Caulking	Grey	100%	None Detected	<1.0% Chrysotile
CM340	Caulking	Grey	100%	None Detected	<1.0% Chrysotile

Analyst

Laboratory Director

*Results near 1% are not reliable by this method and a more accurate TEM method is recommended.
To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.

EMSL Analytical, Inc.

CHAIN OF CUSTODY

7855 **Asbestos**

PLM NOB L197-~~7680~~

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

PLM
☐ EPA 600
☒ NOB
☐ Point Count
☐ Other:

1ST POS STOP
TEM for nonfriable
NOB

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM 321	LH-97-01	Bath NW corner.	PLM (PC)
CM 322	LH-97-02	Bath SE corner.	↓
CM 323	LH-97-03	Bath NE Corner	↓
CM 324	LH-98-01	Basement D WALL center.	PLM (PC)
TEM CM 325	LH-99-01	W side of Bridge S corner.	EXT
CM 326	LH-100-01	W side of Bridge 40' S	EXT PLM (PC)
CM 328	LH-101-01	EXT B WALL 10' from SE Corner	TEM

Client Sample # (s) CM 321 - CM 342 Total Samples: 22

Relinquished: Carl Date: 9-25-97 Time: 9:30 AM
Received: Date: 9/25/97 Time: 9:55 AM
Received: Date: Time:

6 PLM (PC)

EMSL Analytical, Inc.

CHAIN OF CUSTODY

L197-7855

Asbestos

TEM

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM 328	LH - 102-01	EXT W side SW corner	window
CM 329	F - 90 - 01	Foundry B wall NE - ON	Col C28 - C
CM 330	F - 90-02	Foundry BWALL NE Between	Col A28 & C28.
CM 331	F - 90-03	Foundry BWALL Between Col	C28 & E28
CM 332	F - 91-01	Foundry on Col C23	
CM 333	F - 92-01	Foundry on Col C23	
CM 334	F - 91-02	Foundry on Col E23	
CM 335	F - 92-02	Foundry on Col E23	
CM 336	EV- 93-01	EVIRO AWALL col A1	
CM 337	EV- 93-02	EVIRO AWALL center Between	col A1 & A2
CM 338	EV- 93-03	EVIRO DWALL Col D1	
CM 339	EV- 94-01	EVIRO DWALL col A1	
CM 340	EV- 94-02	EVIRO DWALL Col D1	
CM 341	EV- 95-01	EVIRO col C2	
CM 342	EV- 96-01	EVIRO LAB Top Between 3	C & 3D PLM (PC)

7855

L197 - ~~7680~~ PLM NOB

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York 11514
Phone (516) 997-7251 Fax (516) 997-7528

Attn.:
Emcon
3675 Crestwood Parkway
Duluth, GA 30136-5054

Monday, October 06, 1997

Ref Number: LI977774

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT
Performed by EPA 600/M4-82-020/ELAP 5.2.1-6.0 Methods*

Project: GREAT NECK, NY

				ASBESTOS		NONASBESTOS			
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	%	TYPE	%	FIBROUS	%	NONFIBROUS
CM 344	MAN EAST OF COL P7	Brown/White Fibrous Heterogeneous	Teased		None Detected	80.%	Cellulose	20.%	Matrix
CM 345	MAN WEST OF COL P8	Brown/White Fibrous Heterogeneous	Teased		None Detected	90.%	Cellulose	10.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Michelle McGowan
Analyst

Approved
Signatory

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

THURS 9/25/97 PLM(PC)

L197-7774

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☑ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POSITIVE STOP
TEM for inconclusive NOB

[✓ **PLM**]
☐ EPA 600
☑ NOB
☐ Point Count
☐ Other:

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM343	F-97-01	Foundry - S WALL Between Col. I28 & I26	
CM344	M-98-01	MAN. - EAST OF COL P7	PLM(PC)
CM345	M-98-02	MAN. - WEST OF COL P8	PLM(PC)
CM346	M-99-01	MAN - EXIT 5 W WALL Center	
CM347	M-99-02	MAN - EXIT 5 E WALL Center	
CM348	M-99-03	MAN - EXIT 5 SW Corner.	
CM349	M-100-01	EXTerior MAN. S WALL 30' E of ENTRY #3	

Client Sample # (s) CM343 - CM350 Total Samples: ~~8~~ ②

Relinquished: Cal J Date: 9-29-97 Time: 9:30 am

Received: S. Robinson Date: 9/29/97 Time: 9:30 AM

Received: Date: Time:

F = FOUNDRY M = MANUFACTURE.

EMSL Analytical, Inc.

CHAIN OF CUSTODY

PLM (PC) **Asbestos**

6197-7774

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM350	M-100-02	Exterior Manuf. S wall 40' E of Exit #3	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York 11514
Phone (516) 997-7251 Fax (516) 997-7528

Attn.: John Fenn
Emcon
One International Blvd
Suite 700
Mahwah, NJ 07495

Monday, October 06, 1997

Ref Number: LI977915

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/M4-82-020/ELAP 5.2.1-6.0 Methods*

Project: GREAT NECK, NY

				ASBESTOS		NONASBESTOS			
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	%	TYPE	%	FIBROUS	%	NONFIBROUS
CM351	GUARD HOUSE #7 NW CEILING CORNER	Grey Fibrous Heterogeneous	Teased	None Detected		5.%	Cellulose	95.%	Matrix
CM354	GUARD HOUSE #7 SE CORNER EXTERIOR	Grey/Yellow Fibrous Heterogeneous	Teased	None Detected		90.%	Glass	10.%	Matrix
CM355	GUARD HOUSE #7 SW CORNER CEILING	Brown Fibrous Heterogeneous	Teased	None Detected		50.%	Cellulose	50.%	Other
CM356	MANUFACTURER EXTERIOR S SIDE 25' E OF ENTRY 2	Grey Fibrous Heterogeneous	Crushed	None Detected		20.%	Cellulose	80.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.
* NY samples also analyzed by ELAP 198-1 Method

Michelle McGowan
Michelle McGowan
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Long Island (NVLAP Air and Bulk #101048-10, NY State E-Lap #11469).

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

TUES Sept 30, 1997

L197-7915 -PCM(PC)

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POSITIVE STOP
TEM FOR INCONCLUSIVE NOB.

PLM
☐ EPA 600
☒ NOB
☐ Point Count
☐ Other:

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM351	ExI-101-01	Exterior East side of incenerator	Building open SHUT PC
CM352	GH6-102-01	Guard House #6 Gate 6	Floor.
CM353	GH7-103-01	Guard House #7 NE CORNER	Floor
CM354	GH7-104-01	Guard House #7 NW Ceiling Corner.	PC
CM355	GH7-105-01	Guard House #7 SE corner	Exterior PC
CM356	GH5-106-01	Guard House #5 SW corner	Ceiling PC
CM357R	GH5-107-01	Guard House #5 NW Roof	

Client Sample # (s) - Total Samples:

Relinquished: Date: 10-2-97 Time: 930 AM
Received: Date: 10/2/97 Time: 9.30 AM
Received: Date: Time:

GH - Guard House
EXI - EXTERIOR Incinerator

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
cm358	Ex 108-01	Manufacture ExTerior S Side 25'E of ENTRY 2	
cm359 F	GH8-109-01	GuardHouse #8 Roof FLASHing 50'SE of Manf. Bldg.	
cm360 R	GH8-110-01	GuardHouse #8 Roof 50'SE of Manf Bldg	
cm361 F	GH5 111-01	GuardHouse #5 Flashing NW Side of Roof.	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 10, 1997
Ref Number: LI977916
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

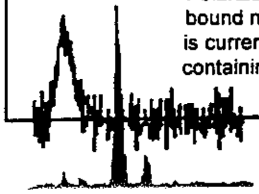
PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM 352	Floor Tile	Grey	100%	None Detected	Inconclusive
CM 353	Floor Tile	Grey	100%	None Detected	Inconclusive
CM 357	Roofing	Black	97.9%	None Detected	2.1% Chrysotile
CM 358	Roofing	Black	93%	None Detected	7% Chrysotile
CM 359	Roofing	Black	93.6%	None Detected	6.4% Chrysotile
CM 360	Roofing	Black	100%	None Detected	Inconclusive
CM 361	Roofing	Black	96.3%	None Detected	3.7% Chrysotile

Michelle Mc[illegible]
Analyst

Laboratory
Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.



EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbesto

TUES Sept 30, 1997

L197-7916 -PCM (

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

EMSL-Bill to: Emcon
Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 958

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

- ☐ Air
- ☒ Bulk
- ☐ Wipe
- ☐ Floor Tile
- ☐ Drinking Water
- ☐ Wastewater
- ☐ Soil
- ☐ Dust

TURNAROUND

- ☐ 6-10 Days
- ☐ 5 Days
- ☐ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours
- ☐ 12 Hours
- ☐ Same Day
- ☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
- ☐ NIOSH 7400
- ☐ OSHA
- ☐ Other:

1ST POSITIVE STOP

TEM FOR INCONCLUSIVE NOB.

PLM
- ☐ EPA 600
- ☒ NOB
- ☐ Point Count
- ☐ Other:

SEM
- ☐ Qualitative
- ☐ Quantitative

TEM AIR
- ☐ AHERA
- ☐ NIOSH 7402
- ☐ Level I
- ☐ Level II

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield
- ☐ Chatfield / SEM QC
- ☐ Conventional (Quantitative)
- ☐ EMSL Method
- ☐ NOB
- ☐ NOB / SEM QC
- ☐ Micro Vac – Quantitative
- ☐ Micro Vac - Qualitative

TEM WATER
- ☐ Wastewater
- ☐ Drinking Water EPA 100.1
- ☐ Water - NY Wastewater
- ☐ Water-NY Drinking Water

TEM WIPE
- ☐ Quantitative
- ☐ Qualitative

XRD
- ☐ Asbestos
- ☐ Silica

OTHER
- ☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicabl
CM351	ExI-101-01	Exterior East side of incenerator Building	ope SH
CM352	GH6-102-01	Guard House #6 Gate 6	FLOOR. NOB
CM353	GH7-103-01	Guard House #7 NE CORNER	FLOOR NOB
CM354	GH7-104-01	Guard House #7 NW Ceiling Corner.	
CM355	GH7-105-01	Guard House #7 SE corner Exterior	
CM356	GH5-106-01	Guard House #5 SW corner Ceiling	
CM357R	GH5-107-01	Guard House #5 NW Roof	NOB

Client Sample # (s) Total Samples:

Relinquished: Date: 10-2-97 Time: 930 AM

Received: Date: 10/2/97 Time: 9.30

Received: Date: Time:

GH - Guard House
ExI - Exterior Incinerator

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbest

SAMPLE NUMBER		LOCATION	VOLUME (If Applicab
Cm358	Ex 108-01	Manufacture Exterior S Side 25'E	of ENTRY 2
Cm359 F	GH8-109-01	Guard House #8 Roof FLASHing 50' SE	E of Manf. Bld
Cm360 R	GH8-110-01	Guard House #8 Roof 50' SE of	Manf Bldg
Cm361 F	GH5 111-01	Guard House #5 Flashing NW Side	Side of Roof.

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 14, 1997
Ref Number: LI978195
ELAP 11469
NVLAP 101049-10

Project: **Great Neck, NY**

Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM352	Floor Tile	Grey	100%	None Detected	None Detected
CM353	Floor Tile	Grey	94.1%	None Detected	5.9% Chrysotile
CM360R	Roofing	Black	100%	None Detected	None Detected

Analyst

Laboratory Director

*Results near 1% are not reliable by this method and a more accurate TEM method is recommended.
To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbesto

TUES Sept 30, 1997

L197-7916 -PCM (A

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah. NJ Zip: 07495
Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck. NY

EMSL-Bill to: Emcon
Street:
Box #: PO Box 349014
City/State: Sacramento. CA Zip: 958
Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

L197-5195 - [illegible], Mic

MATRIX

☐ Air
☑ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POSITIVE STOP
TEM FOR INCONCLUSIVE NOB.

PLM
☐ EPA 600
☑ NOB
☐ Point Count
☐ Other:

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac– Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

TEM JOB

SAMPLE NUMBER		LOCATION	VOLUME (If Applicabl
CM351	ExI-101-01	Exterior East side of incenerator Building	ope SH
CM352	GH6-102-01	Guard House #6 Gate 6	FLOOR. [✓ NOB]
CM353	GH7-103-01	Guard House #7 NE CORNER	FLOOR [✓ NOB]
CM354	GH7-104-01	Guard House #7 NW Ceiling Corner.	
CM355	GH7-105-01	Guard House #7 SE corner Exterior	
CM356	GH5-106-01	Guard House #5 SW corner Ceiling	
CM357R	GH5-107-01	Guard House #5 NW Roof	[✓ NOB]

Client Sample # (s) Total Samples:

Relinquished: Date: 10-2-97 Time: 930 AM

Received: Date: 10/2/97 Time: 9:30

Received: Date: Time:

GH - Guard House
ExI - Exterior Incinerator

EMSL Analytical. Inc.

CHAIN OF CUSTODY

Asbest

Am (NOB)

TEM NOB

SAMPLE NUMBER		LOCATION	VOLUME (If Applicat
Cm358	Ex 108-01	Manufacture Exterior S Side 25' E	of ENTRY 2
Cm359 F	GH8-109-01	Guard House # 8 Roof FLASHing 50' S	E of Manf. Bl
Cm360 R	GH8-110-01	Guard House # 8 Roof 50' SE of	Manf Bldg
Cm361 F	GH5 111-01	Guard House # 5 Flashing NW S	ide of Roof.
		L197-8195	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 2, 1997
Ref Number: LI977666
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
BH-160R	Roofing	Not Supplied	100%	None Detected	Trace Chrysotile
BH-161R	Roofing	Not Supplied	100%	None Detected	Inconclusive
BH-162R	Roofing	Not Supplied	100%	None Detected	Trace Chrysotile
BH-163R	Roofing	Not Supplied	100%	None Detected	Inconclusive
BH-164F	Flashing	Not Supplied	100%	None Detected	Trace Chrysotile
BH-165F	Flashing	Not Supplied	100%	None Detected	Inconclusive
BH-166F	Flashing	Not Supplied	93.7%	None Detected	6.3% Chrysotile
BH-167F	Flashing	Not Supplied	*	*	*Not Analyzed
BH-168R	Roofing	Not Supplied	100%	None Detected	Trace Chrysotile
BH-169R	Roofing	Not Supplied	100%	None Detected	Trace Chrysotile
BH-177R	Roofing	Not Supplied	100%	None Detected	Inconclusive
BH-178F	Flashing	Not Supplied	93.9%	None Detected	6.1% Chrysotile
BH-179F	Flashing	Not Supplied	*	*	*Not Analyzed
BH-180F	Flashing	Not Supplied	*	*	*Not Analyzed

Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.

R = Roofing
F = Flashing

BH - Boiler House
G - Garage

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

TUE Sept 23 1997

7878 Ter-

L197-7606 Per NO3

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air ☐ Floor Tile ☐ Soil
☐ Bulk ☐ Drinking Water ☐ Dust
☐ Wipe ☐ Wastewater

TURNAROUND

☐ 6-10 Days ☐ 72 Hours ☐ 24 Hours ☐ Same Day*
☐ 5 Days ☐ 48 Hours ☐ 12 Hours ☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1st Pos. Stop,

PLM
☐ EPA 600
☐ NOB
☐ Point Count
☐ Other:

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
BH-160R	BH-101-01	BH 10' off N WALL West Lower Roof.	
BH-161R	BH-101-02	BH upper middle Roof 5' from west WALL Center	
BH-162R	BH-101-03	BH upper middle Roof 20' from E WALL Center	
BH163R	BH-101-04	BH Lower SOUTH Roof 15' from W wall	
BH164F	BH 100-01	BH Lower SOUTH Roof E WALL center,	
BH165F	BH 100-02	BH upper middle Roof E WALL center	
BH166F	BH 100-03	BH Lower NORTH Roof E wall center.	

Client Sample # (s) BH-160R - G180F Total Samples: 14

Relinquished: Date: 9-24-97 Time: 9:30
Received: S. Robinson Date: 9/24/97 Time: 9:45AM
Received: Date: Time:

EMSL Analytical, Inc.

CHAIN OF CUSTODY L197-7878 **Asbestos**

EM

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
BH167F	BH100-04	BH Lower N Roof N WALL 20' West	
G-168R	G-101-01	G NW CORNER	
G-169-R	G-101-02	G NE Section	
G-177R	G-101-03	G CENTER of Roof	
G 178F	G-100-01	G N WALL ~~40~~ 20' W of East WALL	
G 179F	G-100-02	G E WALL 10' S of N WALL	
G 180F	G-100-03	G S WALL 20' W of E WALL	
		Rm N0B	L197-~~7666~~ 7878

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 6, 1997
Ref Number: LI977878
ELAP 11469
NVLAP 101049-10

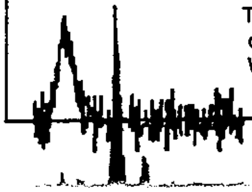
Project: Great Neck, NY

Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
BH-160R	Roofing	Not Supplied	100%	None Detected	None Detected
BH-161R	Roofing	Not Supplied	100%	None Detected	None Detected
BH-162R	Roofing	Not Supplied	100%	None Detected	None Detected
BH-163R	Roofing	Not Supplied	100%	None Detected	None Detected
G-168R	Roofing	Not Supplied	100%	None Detected	Trace Chrysotile
G-169R	Roofing	Not Supplied	100%	None Detected	Trace Chrysotile
G-177R	Roofing	Not Supplied	100%	None Detected	None Detected

Analyst

Laboratory
Director



*Results near 1% are not reliable by this method and a more accurate TEM method is recommended.
To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.

R = ROOFING
F = FLASHING

BH - BOILER HOUSE
G - GARAGE

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

TUE Sept 23 1997

-7878 Tel

U197-~~7606~~ Pr No

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☐ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POS, STOP,

PLM
☐ EPA 600
☐ NOB
☐ Point Count
☐ Other:

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

TEM

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
BH-160R	BH-101-01	BH 10' off N WALL West Lower	Roof.
BH-161R	BH-101-02	BH upper middle Roof 5' from	West WALL Center
BH-162R	BH-101-03	BH upper middle Roof 20' from	E WALL Center
BH163R	BH-101-04	BH Lower SOUTH Roof 15' from	W wall
BH164F	BH 100-01	BH Lower SOUTH Roof E WALL	center,
BH165F	BH 100-02	BH upper middle Roof E WALL	center
BH166F	BH 100-03	BH Lower NORTH Roof E wall	center.

Client Sample # (s) BH-160R - G180F Total Samples: 14

Relinquished: Date: 9-24-97 Time: 9:30

Received: S. Robinson Date: 9/24/97 Time: 9:45AM

Received: Date: Time:

EMSL Analytical, Inc.

CHAIN OF CUSTODY

L197-7878

Asbestos

TEM

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
BH167F	BH-100-04	BH Lower N Roof N WALL 20' WEST	
G-168R	G-101-01	G NW CORNER	
G-169-R	G-101-02	G NE SECTION	
G-177R	G-101-03	G CENTER of Roof	
G 178F	G-100-01	G N WALL 40' W of EAST WALL	
G 179F	G-100-02	G E WALL 10' S of N WALL	
G 180F	G-100-03	G S WALL 20' W of E WALL	
		Pum NOB	L197-~~7666~~ 7878

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

Monday, October 06, 1997
Ref Number: LI977982
ELAP 11469
NVLAP 101049-10

Project: **Great Neck, NY**

Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
307	Floor Tile	Green	100%	None Detected	None Detected
308	Floor Tile	Green	100%	None Detected	None Detected
309	Floor Tile	Green	100%	None Detected	None Detected

Analyst

Laboratory Director

---

*Results near 1% are not reliable by this method and a more accurate TEM method is recommended. To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.

EMSL Analytical, Inc.

G - Garage
BH - Boiler House.

CHAIN OF CUSTODY

Asbestos

F.O. Facility operation

EMSL Representative: Philip K. Loh
Your Company Name: Emcon

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

PLM NOB 497-~~7682~~ 7718

EMSL-Bill to: Emcon
Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☒ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

1ST POS STOP

[✓ **PLM**]
☐ EPA 600
☐ NOB
☐ Point Count
☐ Other: TEM FOR inconclusive NOBs.

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
Cm307	G-36-01	G-office NW Corner.	PLM NOB
Cm308	G-81-01	G N wall col A12	↓
Cm309	G-81-02	G N wall col A10	
Cm310	G-82-01	G Top of Office SW Corner	
Cm311	G-83-01	G Top of office SW Corner.	
Cm312	BH-84-01	BH Behind Feeder 6	
Cm313	BH 85-01	BH Behind Boiler 6 S side	

Client Sample # (s) Cm 307 . Cm 320 Total Samples: 14

Relinquished: Carl Date: 9-24-97 Time: 930 Am.
Received: S. Robinson Date: 9/24/97 Time: 9:45 Am
Received: Date: Time:

6 PLM NOB

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM314	BH-86-01	BH Behind Unit 5 South	
CM315	BH 86-02	BH Front Unit 6 North	
CM316	BH 87-01	BH Col A 4 N wall	PLM NOB
Cm 317	BH 87-02	BH Col A 6 N wall	↓
Cm 318	BH 87-03	BH Col A 8 N wall	↓
CM 319	FO. 88-01	Facilities Oper. NW Corner	
CM-329	FO 89-01	Facilities Oper. NW Corner.	
		7918	
		PLM NOB L197-~~7682~~	

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 6, 1997
Ref Number: LI977678
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
M-106-1	Roofing	Black	100%	None Detected	Inconclusive
M-106-2	Roofing	Black	100%	None Detected	Inconclusive
M-106-3	Roofing	Black	100%	None Detected	Inconclusive
M-106-4	Roofing	Black	100%	None Detected	Inconclusive
M-106-5	Roofing	Black	100%	None Detected	Inconclusive
M-106-6	Roofing	Black	100%	None Detected	Inconclusive
M-106-7	Roofing	Black	100%	None Detected	Inconclusive
M-106-7A	Roofing	Black	100%	None Detected	Inconclusive
M-106-8	Roofing	Black	100%	None Detected	Trace Chrysotile
M-106-9	Roofing	Black	100%	None Detected	Inconclusive
M-107-10	Roofing	Black	100%	None Detected	Trace Chrysotile
M-107-11	Roofing	Black	100%	None Detected	Inconclusive
M-107-12	Roofing	Black	100%	None Detected	Inconclusive
M-107-13	Roofing	Black	100%	None Detected	Inconclusive
M-107-14	Roofing	Black	100%	None Detected	Trace Chrysotile
M-107-15	Roofing	Black	100%	None Detected	Inconclusive
M-107-16	Roofing	Black	100%	None Detected	Inconclusive
M-107-17	Roofing	Black	100%	None Detected	Inconclusive
M-107-18	Roofing	Black	100%	None Detected	Inconclusive
M-108-19	Roofing	Black	100%	None Detected	Trace Chrysotile
M-108-20	Roofing	Black	100%	None Detected	Inconclusive
M-108-21	Roofing	Black	100%	None Detected	Inconclusive
M-108-22	Roofing	Black	100%	None Detected	Inconclusive
M-108-23	Roofing	Black	100%	None Detected	Trace Chrysotile
M-108-24	Roofing	Black	100%	None Detected	<1.0% Chrysotile
M-108-25	Roofing	Black	100%	None Detected	Trace Chrysotile
M-108-26	Roofing	Black	91.8%	None Detected	8.2% Chrysotile
M-108-27	Roofing	Black	-----	-----	Not Analyzed
M-109-28	Roofing	Black	100%	None Detected	Trace Chrysotile
M-109-29	Roofing	Black	100%	None Detected	Inconclusive
M-109-30	Roofing	Black	100%	None Detected	Trace Chrysotile

Michelle McMahon
Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 6, 1997
Ref Number: LI977678
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
M-109-31	Roofing	Black	100%	None Detected	Inconclusive
M-109-32	Roofing	Black	100%	None Detected	Inconclusive
M-109-33	Roofing	Black	100%	None Detected	Trace Chrysotile
M-109-34	Roofing	Black	100%	None Detected	Inconclusive
M-109-35	Roofing	Black	100%	None Detected	Trace Chrysotile
M-109-36	Roofing	Black	100%	None Detected	Inconclusive
M-110-1	Roofing	Black	96.7%	None Detected	3.3% Chrysotile
M-110-2	Roofing	Black	-----	-----	Not Analyzed
M-110-3	Roofing	Black	-----	-----	Not Analyzed
M-110-4	Roofing	Black	-----	-----	Not Analyzed
M-110-5	Roofing	Black	-----	-----	Not Analyzed
M-110-6	Roofing	Black	-----	-----	Not Analyzed
M-110-7	Roofing	Black	-----	-----	Not Analyzed
M-110-8	Roofing	Black	-----	-----	Not Analyzed
M-110-9	Roofing	Black	-----	-----	Not Analyzed
M-110-10	Roofing	Black	-----	-----	Not Analyzed
M-110-11	Roofing	Black	-----	-----	Not Analyzed
M-110-12	Roofing	Black	-----	-----	Not Analyzed
M-110-13	Roofing	Black	-----	-----	Not Analyzed
M-110-14	Roofing	Black	-----	-----	Not Analyzed
M-110-15	Roofing	Black	-----	-----	Not Analyzed
M-110-16	Roofing	Black	-----	-----	Not Analyzed
M-110-17	Roofing	Black	-----	-----	Not Analyzed
M-110-18	Roofing	Black	-----	-----	Not Analyzed
M-110-19	Roofing	Black	-----	-----	Not Analyzed
M-110-20	Roofing	Black	-----	-----	Not Analyzed
M-110-21	Roofing	Black	-----	-----	Not Analyzed
M-110-22	Roofing	Black	-----	-----	Not Analyzed
M-110-23	Roofing	Black	-----	-----	Not Analyzed
M-110-24	Roofing	Black	-----	-----	Not Analyzed
M-110-25	Roofing	Black	-----	-----	Not Analyzed
M-110-26	Roofing	Black	-----	-----	Not Analyzed

Michele McGowan
Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.

EMSL Analytical, Inc.

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EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 6, 1997
Ref Number: LI977678
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
M-110-27	Roofing	Black	-----	-----	Not Analyzed
M-110-28	Roofing	Black	-----	-----	Not Analyzed
M-111-1	Roofing	Black	100%	None Detected	Inconclusive
M-111-2	Roofing	Black	100%	None Detected	Inconclusive
M-111-3	Roofing	Black	100%	None Detected	Inconclusive
M-111-4	Roofing	Black	100%	None Detected	Inconclusive
M-111-5	Roofing	Black	100%	None Detected	Inconclusive
M-111-6	Roofing	Black	100%	None Detected	Inconclusive
M-111-7	Roofing	Black	100%	None Detected	Inconclusive
M-111-8	Roofing	Black	100%	None Detected	Inconclusive
M-111-9	Roofing	Black	100%	None Detected	Inconclusive
M-111-10	Roofing	Black	100%	None Detected	Inconclusive
M-111-11	Roofing	Black	100%	None Detected	Inconclusive
M-111-12	Roofing	Black	100%	None Detected	Inconclusive
M-111-13	Roofing	Black	100%	None Detected	Inconclusive
M-111-14	Roofing	Black	100%	None Detected	Inconclusive
M-111-15	Roofing	Black	100%	None Detected	Inconclusive
M-111-16	Roofing	Black	100%	None Detected	Inconclusive
M-111-17	Roofing	Black	100%	None Detected	Inconclusive
M-111-18	Roofing	Black	100%	None Detected	Inconclusive
M-111-19	Roofing	Black	100%	None Detected	Inconclusive
FR-112-1	Roofing	Black	100%	None Detected	Inconclusive
FR-112-2	Roofing	Black	100%	None Detected	Inconclusive
FR-112-3	Roofing	Black	100%	None Detected	Inconclusive
FR-112-4	Roofing	Black	100%	None Detected	Inconclusive
FR-112-5	Roofing	Black	100%	None Detected	Inconclusive
FR-112-6	Roofing	Black	100%	None Detected	Inconclusive
FR-112-7	Roofing	Black	100%	None Detected	Inconclusive

Analyst

Laboratory Director

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October 6, 1997
Ref Number: LI977678
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
FR-112-8	Roofing	Black	100%	None Detected	Inconclusive
FR-112-9	Roofing	Black	100%	None Detected	Inconclusive
FR-113-1	Roofing	Black	93%	None Detected	7% Chrysotile
FR-113-2	Roofing	Black	-----	-----	Not Analyzed
FR-113-3	Roofing	Black	-----	-----	Not Analyzed
FR-113-4	Roofing	Black	-----	-----	Not Analyzed
FR-113-5	Roofing	Black	-----	-----	Not Analyzed
FR-113-6	Roofing	Black	-----	-----	Not Analyzed
FR-113-7	Roofing	Black	-----	-----	Not Analyzed
FR-113-8	Roofing	Black	-----	-----	Not Analyzed
FR-113-9	Roofing	Black	-----	-----	Not Analyzed
FR-114-1	Roofing	Black	90.9%	None Detected	9.1% Chrysotile
FR-114-2	Roofing	Black	-----	-----	Not Analyzed
FR-114-3	Roofing	Black	-----	-----	Not Analyzed
FR-114-4	Roofing	Black	-----	-----	Not Analyzed
FR-114-5	Roofing	Black	-----	-----	Not Analyzed
FR-114-6	Roofing	Black	-----	-----	Not Analyzed
FR-114-7	Roofing	Black	-----	-----	Not Analyzed
FR-114-8	Roofing	Black	-----	-----	Not Analyzed
FR-114-9	Roofing	Black	-----	-----	Not Analyzed
FR-115-1	Roofing	Black	96.1%	None Detected	3.9% Chrysotile
FR-115-2	Roofing	Black	-----	-----	Not Analyzed
FR-115-3	Roofing	Black	-----	-----	Not Analyzed
EV-116-1	Roofing	Black	100%	None Detected	Inconclusive
EV-116-2	Roofing	Black	100%	None Detected	Inconclusive
EV-116-3	Roofing	Black	100%	None Detected	Inconclusive
EV-116-4	Roofing	Black	100%	None Detected	Inconclusive

Michelle McGowan
Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.

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October 6, 1997
Ref Number: LI977678
ELAP 11469
NVLAP 101048-10

Project: Great Neck, NY

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
EV-117-1	Roofing	Black	100%	None Detected	Inconclusive
EV-117-2	Roofing	Black	100%	None Detected	Trace Chrysotile
EV-117-3	Roofing	Black	100%	None Detected	Inconclusive
EV-117-4	Roofing	Black	90.7%	None Detected	9.3% Chrysotile
F-118-1	Roofing	Black	100%	None Detected	Inconclusive
F-118-2	Roofing	Black	100%	None Detected	Inconclusive
F-118-3	Roofing	Black	100%	None Detected	Inconclusive
F-119-1	Roofing	Black	88%	None Detected	12% Chrysotile
F-119-2	Roofing	Black	-----	-----	Not Analyzed
F-119-3	Roofing	Black	-----	-----	Not Analyzed
LH-120-1	Roofing	Black	100%	None Detected	Inconclusive
LH-120-2	Roofing	Black	100%	None Detected	Inconclusive
LH-120-3	Roofing	Black	100%	None Detected	Inconclusive
LH-120-4	Roofing	Black	100%	None Detected	Inconclusive
LH-121-1	Roofing	Black	92.1%	None Detected	7.9% Chrysotile
LH-121-2	Roofing	Black	-----	-----	Not Analyzed
LH-121-3	Roofing	Black	-----	-----	Not Analyzed
LH-121-4	Roofing	Black	-----	-----	Not Analyzed
MS-122-1	Roofing	Black	100%	None Detected	2% Chrysotile
MS-122-2	Roofing	Black	-----	-----	Not Analyzed
MS-122-3	Roofing	Black	-----	-----	Not Analyzed
MS-122-4	Roofing	Black	-----	-----	Not Analyzed
MS-123-1	Roofing	Black	93%	None Detected	7% Chrysotile
MS-123-2	Roofing	Black	-----	-----	Not Analyzed
MS-123-3	Roofing	Black	-----	-----	Not Analyzed
MS-123-4	Roofing	Black	-----	-----	Not Analyzed

Analyst

Laboratory Director

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EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

Tues - 9-23 L197-7678 PLM NOB

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495
Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

EMSL-Bill to: Emcon
Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834
Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☐ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other: ______

M - Manufacturing BLDG
EV - Environmental BLDG
BH - Boat House

PLM
☒ EPA 600
☒ NOB
☐ Point Count
☐ Other: 1st Positive Stop

Per [illegible]

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐ ______

BAG	SAMPLE NUMBER ID	LOCATION	VOLUME (If Applicable)
JF-048R	M-106-1	At Column, A-3 Roofing	1st STOP Pos.
JF-051-R	M-106-2	" " A-8	
JF-052R	M-106-3	" " A-15	
JF-056R	M-106-4	" " B-3	
JF 060R	M-106-5	" " C-3	
JF 067R	M-106-6	" " D-8	
JF068R	M-106-7	" " D-9	

Client Sample # (s) ______ - ______ Total Samples: 145

Relinquished: Carl J. Date: 9-25-97 Time: 9:30 Am
Received: Date: 9/25/97 Time: 9:55 Am
Received: Date: Time:

M - MANUFACTURE
FR - FAN ROOM
LH - LAKE HOUSE
EV - ENVIROMENTAL
F - FOUNDRY
MS - MAINTAINENCE

2096

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
JF-073R	M-106-7	At Column E-2	
JF-075R	M-106-8	" " F-5	
JF-077	M-106-9	" " F-9	
JF-079	M-107-10	" " F-15	Roofing 1ST Stop pos
JF082	M-107-11	" " G-15	
JF084	M-107-12	" " G-9	
0 JF085	M 107-13	" " G-5	
JF089	M-107-14	" " H-5	
JF-091	M-107-15	" " H-9	
JF092	M-107-16	" " H-15	
JF 096	M-107-17	" " I-5	
JF 097	M-107-18	" " I-9	
JF099	M-108-19	" " I-15	Roofing 1ST Stop pos
JF102	M-108-20	" " J-5	
JF103	M-108-21	" " J-9	
JF106	M-108-22	" " J-15	
JF109	M-108-23	" " K-5	
JF-110	M-108-24	" " K-9	
JF113	M-108-25	" " K-15	
JF-118	M-108-26	" " L-2	
~~JF-120~~	~~M-108-27~~	~~" " L-5~~	
JF-116	M-108-27	" " L-6	Roofing
JF-120	M 109-28	" " M-5	Roofing 1ST Stop pos
JF 121	M-109-29	" " M-9	
JF-123	M-109-30	" " M-15	
JF-125	M-109-31	" " N-5	
JF126	M-109-32	" " N-9	
JF128	M-109-33	" " N-15	
JF-130	M-109-34	" " O-15	
JF173	M-109-35	" " O-9	L192 7628
JF176	M-109-36	" " O-5	

396

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
JF-049	M-100-1	-at Column - A-1 Fl	1ST Stop pos.
JF-053	M-100-2	" " A-19	Flashing
JF055	M-100-3	" " B-2	
JF058	M-100-4	" " B-17	
JF-059	M-100-5	" "C-4	
JF-062	M-100-6	" " C-7	
JF065	M-100-7	" " D-6	
JF-066	M-100-7	" " D-8	
JF-070	M-100-8	" "E-5	
JF 074	M-100-9	" "F-5	
JF078	M-100-10	" "F-15	
JF083	M-100-11	" "G-15	
JF085	M-100-12	" "G-5	
JF088	M-110-13	" "H-5	
JF093	M 110-14	" "H-15	
JF095	M 110-15	" "I-5	
JF098	M 110-16	" "I-15	
JF101	M110-17	" "J5	
JF105	M110-18	" "J15	
JF108	M110-19	" "K 5	
JF112	M110-20	" "K-15	
JF114	M110-21	" "L-5	
JF117	M110-22	" "L-1	
JF119	M110-23	" "M-5	
JF122	M110-24	" "M-15	
JF124.	M110-25	" "N-5	497 7678
JF127	M110-26	" "N-15	
JF129	M110-27	" "O-15	
JF175	M110-28	" "O-5	
JF050	M111-01	" "A-3	Patch 1st positive stop
JF054	M111-02	" "B-4	Patch

EMSL Analytical, Inc. **CHAIN OF CUSTODY** 4 of 6 **Asbestos**

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
JF057	M-111-03	At Column B-15	
JF063	M-111-04	" " C-17	
JF064	M-111-05	" " D-5	
JF 072	M-111-06	" " E-5	
JF 076	M-111-07	" " F-8	
JF 080	M-111-08	" " F17	
JF-081	M-111-09	" " G-18	
JF 087	M-111-10	" " G-2	
JF-090	M-111-11	" " H-6	
JF-094	M-111-12	" " H-17	
JF 100	M-111-13	" ' J-4	
JF-104	M-111-14	" " J-15	
JF 107	M-111-15	" " J-18	
JF 111	M 111-16	" " K-11	
JF 115	M 111-17	" " L-6	
JF-171	M-111-18	" " O-15	
JF-172	M-111-19	" " O-10	
JF 130	FR-112-01	BLDG 1 South west of roof	Roofing 1st positive stop
JF 134	FR-112-02	BLDG 2 Nath	
JF 135	FR-112-03	Building 3 S/west	
JF139	FR-112-04	BLDG 4 middle	
JF-144	FR-112-05	BLDG 5 N/E	
JF 149	FR-112-06	BLDG 6 middle	
JF-152	FR-112-07	BLDG 10 west	497-7628
JF 156	FR-112-08	BLDG 16 N/E	
JF158	FR-112-09	BLDG 19 North	
JF131	FR-113-01	BLDG 1 S/W	flashing 1st Stop Position
JF133	FR-113-02	BLDG 2 S/E	
JF 136	FR-113-03	BLDG 3 S/W	
JF 140	FR-113-04	BLDG 4 South	
JF145	FR-113-05	BLDG 5 South	

CHAIN OF CUSTODY

5 of 6
Asbestos

5of6 SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
JF150	FR-113-06	BLDG 6 North	
JF 151	FR-113-07	BLDG 11 East	
JF 155	FR113-08	" "16 North	
JF157	FR113-09	" "19 South	
JF132	FR 114-01	" "1 East	Duct 1st positive stop
JF 137	FR114-02	" "3 West	
JF 142	FR 114-03	" "4 west	
JF 143	FR 114-04	" "3 east	
JF 147	FR 114-05	" "6 ~~middle~~ east	
JF 148	FR114-06	" "6 west	
JF 153	FR 114-07	" "12 west	
JF 154	FR-114-08	" "15 west	
JF 159	FR-114-09	" "11 east	
JF 138	FR-11501	" "3 North	Pitch 1st positive stop
JF141	FR-115-02	" "4 West	
JF146	FR-115-03	" "5 South	
1/23 EV181	EV-116-01	South west Corner	Roofing 1st positive stop
EV182	EV-116-02	Center	
EV183	EV 116-03	Northeast corner	
EV184	EV 116-04	Southeast corner	
EV185	EV 117-01	Southwest Corner	Flashing 1st positive Stop
EV186	EV 117-02	Northwest corner	
EV 187	EV-117-03	North east corner	
EV188	EV-117-04	Southeast Corner	
JF189	F-118-01	Center	Roof 1st positive Stop
JF191	F-118-02	South west corner	
JF193	F-118-03	Upper Roof center/West	
JF190	F-119 01	"South west Corner	Flashing 1st positive Stop
JF 192	F-119-02	North	
JF 194	F-119-03	Uper Roof Center/North	
			4977678

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Wed. 9/24/97

Asbestos

6 of 6

Bag	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
BH 195	LH-120-01	Northwest corner Rof	1st positive Stop
BH 196	LH-120-02	North (centered)	
BH-197	LH-120-03	South (centered)	
BH 198	LH-120-04	East (centered)	↓
BH-199	LH-121-01	Southwall corner Flsh	1st stop positive
BH-200	LH-121-02	Northwall center	
BH 201	LH 121-03	Southwall-center	
BH 202	LH-121-04	Southeast corner	↓
MS-203	MS-122-01	North center Rof	1st positive stop
MS-204	M'S-122-02	center	
MS 205	M'S-12203	west wall center	
MS 206	M'S-122-09	Southeast corner	↓
MS-207	M'S-123-01	Northwall center Fl.	1st positive stop
MS-208	MS-123-02	Center	
MS-209	MS-123-03	westwall center	
MS-210	MS-123-04	Southeast corner	↓

L197-7678 Plm 100

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October 10 , 1997
Ref Number: LI977960
ELAP 11469
NVLAP 101049-10

Project: **Great Neck, NY**

Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
JF-048R	Roofing	Black	100%	None Detected	None Detected
JF-051R	Roofing	Black	100%	None Detected	Trace Chrysotile
JF-052R	Roofing	Black	100%	None Detected	None Detected
JF-056R	Roofing	Black	100%	None Detected	None Detected
JF-060R	Roofing	Black	100%	None Detected	None Detected
JF-067R	Roofing	Black	100%	None Detected	None Detected
JF-068R	Roofing	Black	100%	None Detected	Trace Chrysotile
JF-073R	Roofing	Black	100%	None Detected	None Detected
JF-075R	Roofing	Black	100%	None Detected	None Detected
JF-077	Roofing	Black	100%	None Detected	None Detected
JF-079	Roofing	Black	94.9%	None Detected	5.1% Chrysotile
JF-082	Roofing	Black	-----	-----	Not Analyzed
JF-084	Roofing	Black	-----	-----	Not Analyzed
JF-085	Roofing	Black	-----	-----	Not Analyzed
JF-089	Roofing	Black	-----	-----	Not Analyzed
JF-091	Roofing	Black	-----	-----	Not Analyzed
JF-092	Roofing	Black	-----	-----	Not Analyzed
JF-096	Roofing	Black	-----	-----	Not Analyzed
JF-097	Roofing	Black	-----	-----	Not Analyzed
JF-120	Roofing	Black	100%	None Detected	None Detected
JF-121	Roofing	Black	100%	None Detected	Trace Chrysotile
JF-123	Roofing	Black	100%	None Detected	None Detected
JF-125	Roofing	Black	100%	None Detected	None Detected
JF-126	Roofing	Black	100%	None Detected	None Detected
JF-128	Roofing	Black	100%	None Detected	Trace Chrysotile
JF-170	Roofing	Black	100%	None Detected	None Detected
JF-173	Roofing	Black	100%	None Detected	None Detected
JF-176	Roofing	Black	100%	None Detected	None Detected
JF-050	Roofing	Black	97.7%	None Detected	2.3% Chrysotile
JF-054	Roofing	Black	-----	-----	Not Analyzed
JF-057	Roofing	Black	-----	-----	Not Analyzed
JF-063	Roofing	Black	-----	-----	Not Analyzed
JF-064	Roofing	Black	-----	-----	Not Analyzed
JF-072	Roofing	Black	-----	-----	Not Analyzed

Analyst

Laboratory
Director

*Results near 1% are not reliable by this method and a more accurate TEM method is recommended.
To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.

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Mahwah, NJ 07495

October 10 , 1997
Ref Number: LI977960
ELAP 11469
NVLAP 101049-10

Project: **Great Neck, NY**

Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
JF-076	Roofing	Black	-----	-----	Not Analyzed
JF-080	Roofing	Black	-----	-----	Not Analyzed
JF-081	Roofing	Black	-----	-----	Not Analyzed
JF-087	Roofing	Black	-----	-----	Not Analyzed
JF-090	Roofing	Black	-----	-----	Not Analyzed
JF-094	Roofing	Black	-----	-----	Not Analyzed
JF-100	Roofing	Black	-----	-----	Not Analyzed
JF-104	Roofing	Black	-----	-----	Not Analyzed
JF-107	Roofing	Black	-----	-----	Not Analyzed
JF-111	Roofing	Black	-----	-----	Not Analyzed
JF-115	Roofing	Black	-----	-----	Not Analyzed
JF-171	Roofing	Black	-----	-----	Not Analyzed
JF-172	Roofing	Black	-----	-----	Not Analyzed
JF-130	Roofing	Black	100%	None Detected	<1.0% Chrysotile
JF-134	Roofing	Black	100%	None Detected	Trace Chrysotile
JF-135	Roofing	Black	100%	None Detected	Trace Chrysotile
JF-139	Roofing	Black	100%	None Detected	None Detected
JF-144	Roofing	Black	100%	None Detected	None Detected
JF-149	Roofing	Black	100%	None Detected	Trace Chrysotile
JF-152	Roofing	Black	100%	None Detected	Trace Chrysotile
JF-156	Roofing	Black	100%	None Detected	None Detected
JF-158	Roofing	Black	100%	None Detected	None Detected
EV-181	Roofing	Black	100%	None Detected	None Detected
EV-182	Roofing	Black	100%	None Detected	None Detected
EV-183	Roofing	Black	100%	None Detected	None Detected
EV-184	Roofing	Black	100%	None Detected	None Detected
JF-189	Roofing	Black	100%	None Detected	None Detected
JF-191	Roofing	Black	100%	None Detected	None Detected
JF-193	Roofing	Black	100%	None Detected	None Detected
BH-195	Roofing	Black	100%	None Detected	None Detected
BH-196	Roofing	Black	100%	None Detected	None Detected
BH-197	Roofing	Black	100%	None Detected	None Detected
BH-198	Roofing	Black	100%	None Detected	None Detected

Analyst

Laboratory Director

*Results near 1% are not reliable by this method and a more accurate TEM method is recommended.
To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.

1026

EMSL Analytical, Inc. **CHAIN OF CUSTODY** **Asbestos**

Tues - 9-23 ~~L197-7678~~

L197-7960

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon
Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495
Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834
Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY
Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☐ Bulk
☐ Wipe
☐ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

M - Manufacturing BLDG
EV - Environmental BLDG
BH - Boat HOUSE

PLM
☒ EPA 600
☒ NOB
☐ Point Count
☐ Other: 1st Positive Stop

Per [illegible]

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

BAG SAMPLE NUMBER	ID	LOCATION	VOLUME (If Applicable)
JF-048R	M-106-1	At Column A-3 Roofing	1st STOP POS.
JF-051-R	M-106-2	" " A-8	
JF-052R	M-106-3	" " A-15	
JF-056R	M-106-4	" " B-3	
JF 060R	M-106-5	" " C-3	
JF 067R	M-106-6	" " D-8	
JF068R	M-106-7	" " D-9	↓

Client Sample # (s) -
Total Samples: 145
Relinquished: Date: 9-25-97 Time: 9:30 AM
Received: Date: 9/25/97 Time: 9:55 AM
Received: Date: Time:

M - MANUFACTURE
FR - FAN ROOM
EV - ENVIROMENTAL
F - FOUNDRY
MS - MAINTAINER

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EMSL Analytical, Inc. **CHAIN OF CUSTODY** **Asbestos**

SAMPLE NUMBER		LOCATION		VOLUME (If Applicable)
JF-073R	M-106-7	At Column	E-2	
JF-075R	M-106-8	"	" F-5	
JF-077	M-106-9	"	" F-9	↓
JF-079	M-107-10	"	" F-15	Roofing – 1ST STory
JF082	M-107-11	"	" G-15	↑
JF084	M-107-12	"	" G-9	
JF085	M-107-13	"	" G-5	
JF089	M-107-14	"	" H-5	
JF-091	M-107-15	"	" H-9	
JF092	M-107-16	"	" H-15	
JF096	M-107-17	"	" I-5	
JF097	M-107-18	"	" I-9	↓
~~JF099~~	~~M-108-19~~	~~"~~	~~" I-15~~	~~Roofing ↑ 1ST STory~~
~~JF102~~	~~M-108-20~~	~~"~~	~~" J-5~~	
~~JF103~~	~~M-108-21~~	~~"~~	~~" J-9~~	
~~JF106~~	~~M-108-22~~	~~"~~	~~" J-15~~	
~~JF109~~	~~M-108-23~~	~~"~~	~~" K-5~~	
~~JF-110~~	~~M-108-24~~	~~"~~	~~" K-9~~	
~~JF113~~	~~M-108-25~~	~~"~~	~~" K-15~~	
~~JF-119~~	~~M-108-26~~	~~"~~	~~" L-2~~	
~~JF120~~	~~M-108-27~~	~~"~~	~~" K-5~~	
~~JF-116~~	~~M-108-27~~	~~"~~	~~" L-6~~	~~Roofing ↓~~
JF-120	M-109-28	"	" M-5	Roofing 1ST STory
JF121	M-109-29	"	" M-9	↑
JF-123	M-109-30	"	" M-15	
JF-125	M-109-31	"	" N-5	
JF126	M-109-32	"	" N-9	
JF128	M-109-33	"	" N-15	
JF-170	M-109-34	"	" O-15	
JF173	M-109-35	"	" O-9	
JF176	M-109-36	"	" O-5	↓

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Asbestos

EMSL Analytical, Inc.

CHAIN OF CUSTODY

SAMPLE NUMBER		LOCATION		VOLUME (If Applicable)
JF-049	M-110-1	At Column -	A-1	1ST ST
JF-053	M-110-2	"	" A-19	Flashing
JF-055	M-110-3	"	" B-2	
JF 058	M-110-4	"	" B-17	
JF-059	M-110-5	"	" C-4	
JF-062	M-110-6	"	" C-7	
JF 065	M-110-7	"	" D-6	
JF-066	M-110-7	"	" D-8	
JF-070	M-110-8	"	" E-5	
JF 074	M-110-9	"	" E-5	
JF078	M-110-10	"	" F-15	
JF083	M-110-11	"	" G-15	
JF085	M-110-12	"	" G-5	
JF 088	M-110-13	"	" H-5	
JF093	M 110-14	"	" H-15	
JF095	M 110-15	"	" I-5	
JF 098	M 110-16	"	" I-15	
JF101	M 110-17	"	" J5	
JF105	M110-18	"	" J15	
JF108	M110-19	"	" K 5	
JF112	M110-20	"	" K-15	
JF114	M 110-21	"	" L-5	
JF117	M110-22	"	" L-1	
JF119	M110-23	"	" M-5	
JF122	M110-24	"	" M-15	
JF124	M110-25	"	" N-5	
JF127	M110-26	"	" N-15	
JF129	M 110-27	"	" O-15	
JF175	M110-28	"	" O-5	
JF050	M111-01	"	" A-3	Patch 1st positive stop
JF 054	M111-02	"	" B-4	Patch

EMSL Analytical, Inc.

CHAIN OF CUSTODY

4 of 6

Asbestos

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
JF057	M-111-03	At Column B-15	
JF063	M-111-04	" " C-17	
JF064	M-111-05	" " D-5	
JF 072	M-111-06	" " E-5	
JF 076	M-111-07	" " F-8	
JF 080	M-111-08	" " F17	
JF-081	M-111-09	" " G-18	
JF 087	M-111-10	" " G-2	
JF-090	M-111-11	" " H-6	
JF-094	M-111-12	" " H-17	
JF 100	M-111-13	" " J-4	
JF-104	M-111-14	" " J-15	
JF 107	M-111-15	" " J-18	
JF 111	M 111-16	" " K-11	
JF 115	M 111-17	" " L-6	
JF 171	M-111-18	" " O-15	
JF-172	M-111-19	" " O-10	
JF 130	FR-112-01	BLDG 1 South West of roof	Roofing 1st position stop
JF 134	FR 112-02	BLDG 2 North	
JF 135	FR-112-03	Building 3 S/west	
JF 139	FR-112-04	BLDG 4 middle	
JF 144	FR-112-05	BLDG 5 N/E	
JF 149	FR-112-06	BLDG 6 middle	
JF-152	FR-112-07	BLDG 10 west	
JF 156	FR-112-08	BLDG 16 N/E	
JF 158	FR-112-09	BLDG 19 North	
JF 131	FR 113-01	BLDG 1 S/W	flashing - 1st Stop Position
~~JF 133~~	~~FR 113-02~~	~~BLDG 2 S/E~~	
~~JF 136~~	~~FR-113-03~~	~~BLDG 3 S/W~~	
~~JF 140~~	~~FR-113-04~~	~~BLDG 4 South~~	
JF 145	FR-113-05	BLDG 5 South	

EMSL Analytical, Inc.

CHAIN OF CUSTODY

5 of 6
Asbestos

526 SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
~~JF150~~	~~FR 113-06~~	~~BLDG 6 North~~	
~~JF151~~	~~FR-113-07~~	~~BLDG 11 East~~	
~~JF155~~	~~FR 113-08~~	~~" "16 North~~	
~~JF157~~	~~FR 113-09~~	~~" "19 South~~	
~~JF132~~	~~FR 114-01~~	~~" "1 East~~	Dust 1st positive stop
~~JF137~~	~~FR 114-02~~	~~" "3 West~~	
~~JF142~~	~~FR 114-03~~	~~" "4 West~~	
~~JF143~~	~~FR 114-04~~	~~" "3 East~~	
~~JF147~~	~~FR 114-05~~	~~" "6~~ ~~middle~~ ~~east~~	
~~JF148~~	~~FR 114-06~~	~~" "6 west~~	
~~JF153~~	~~FR 114-07~~	~~" "12 west~~	
~~JF154~~	~~FR-114-08~~	~~" "15 west~~	
~~JF159~~	~~FR-114-09~~	~~" "11 east~~	
~~JF138~~	~~FR-115-01~~	~~" "3 North~~	pitch 1st positive stop
~~JF141~~	~~FR-115-02~~	~~" "4 West~~	
~~JF146~~	~~FR-115-03~~	~~" "5 South~~	
9/23 EV181.	EV-116-01	South west Corner	Roof 1st positive stop
EV182.	EV-116-02	Center	
EV183.	EV 116-03	Northeast corner	
EV184.	EV 116-04	Southeast corner	
~~EV185~~	~~EV 117-01~~	~~Southwest Corner~~	[illegible] 1st positive Stop
~~EV186~~	~~EV 117-02~~	~~Northeast corner~~	
~~EV187~~	~~EV 117-03~~	~~North east corner~~	
~~EV188~~	~~EV-117-04~~	~~Southeast Corner~~	
JF189	F-118-01	Center	Roof 1st positive Stop
JF191.	F-118-02	South west Corner	
JF193	F-118-03	Upper Roof center/West	
~~JF190~~	~~F-119-01~~	~~South west Corner~~	[illegible] 1st positive Stop
~~JF192~~	~~F-119-02~~	~~North~~	
~~JF194~~	~~F-119-03~~	~~Upr Roof Center/North~~	

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Wed. 9/24/97

Asbestos

6 of 6

Bag	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
BH 195	LH-120-01	Northwest corner Ruf	1st positive Stop
BH 196	LH-120-02	North (centered)	
BH 197	LH-120-03	South (centered)	
BH 198	LH-120-04	East (centered)	↓
~~BH 199~~	~~LH-121-01~~	~~Southwall corner Flah~~	~~1st stop positive~~
~~BH-200~~	~~LH-121-02~~	~~Northwall center~~	
~~BH 201~~	~~LH-121-03~~	~~Southwall-center~~	
~~BH 202~~	~~LH-121-04~~	~~Southeast corner~~	~~↓~~
~~MS-203~~	~~MS-122-01~~	~~North center Roof~~	~~1st Positive stop~~
~~MS-204~~	~~M'S-122-02~~	~~center~~	
~~MS 205~~	~~M'S-12203~~	~~West wall center~~	
~~MS 206~~	~~M'S.-122-04~~	~~Southeast corner~~	~~↓~~
~~MS-207~~	~~M'S-123-01~~	~~Northwall center Flah~~	~~1st positive stop~~
~~MS-208~~	~~MS-123-02~~	~~Center~~	
~~MS-209~~	~~M'S.-123-03~~	~~westwall center~~	
~~MS-210~~	~~M'S-123-04~~	~~Southeast corner~~	~~↓~~

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251   F: 997-7528

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 22 , 1997
Ref Number: LI978667
ELAP 11469
NVLAP 101049-10

Project: **Great Neck, NY**

Analysis of New York State NOBs Performed by TEM ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
GN-WB-13A	Wood Block Mastic	Black	100%	None Detected	None Detected
GN-WB-A1	Wood Block Mastic	Brown	86.12%	None Detected	13.88% Chrysotile
GN-WB-11A	Wood Block Mastic	Black	100%	None Detected	None Detected
GN-WB-9A	Wood Block Mastic	Red	100%	None Detected	None Detected
GN-WB-9AM	Mastic	Black	100%	None Detected	None Detected

Analyst

Laboratory Director

*Results near 1% are not reliable by this method and a more accurate TEM method is recommended.
To ensure reliable results, EMSL recommends the use of SEM as a quality control measure. Without SEM QC the current diagnosis error rate of TEM/NOB and TEM/Chatfield occurs at a frequency of approximately 1-2% of samples analyzed. Without SEM QC, EMSL is not responsible for errors which could have been prevented with SEM QC.

EMSL Analytical Inc.

PLM Sheet and Chain of Custody

Page 1 of 1

L197-8667

Client and Address EmCON - MAHWAH, NJ			Date Sampled
Site Address Lockheed MARTIN - GREAT Neck, NY	Work Area		Date Submitted 10/16/97
Project Manager:	Inspector:	Project #	Turn Around Time 5 DAYS
Fax Results To: Chris Andrews	Page Results To:	Phone Results To:	Number of Samples 4 5

Analytical Procedure (Circle One): PLM EPA 600 PLM P.C. [✓ ~~PLM NOB~~] [✓ TEM NOB] Other

Billing # L197-8555

Sample Number	Location	Sample Description	Comments
GN WB-13A		WOOD BLOCK MASTIC	
GN-WB-A1		" " "	
GN-WB-11A		" " "	
GN WB-9A		Linoleum/MASTIC	
	PLM - NOB	TEM < 1% ACM	

Relinquished By (Signature)	Date Time	Agent of	Received By (Signature)	Date Time	Agent of
Chris	10/16/97 9:00		Jackie Bl	10/17/97	EMSL

Comments:

EMSL 208 Stonehenge Lane Carle Place NY 11514 Phone (516) 997-7251 Fax (516) 997-7528

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 21, 1997
Ref Number: LI978555
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY-Lockheed Martin**

PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
GN-WB-13A	Wood Block Mastic	Black	100%	None Detected	Inconclusive
GN-WB-A1	Wood Block Mastic	Brown	100%	None Detected	Inconclusive
GN-WB-11A	Wood Block Mastic	Black	100%	None Detected	Inconclusive
GN-WB-9A	Linoleum/Mastic	Red	100%	None Detected	Inconclusive
GN-WB-9AM	Mastic	Black	100%	None Detected	Inconclusive

Michelle McGowan
Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.

EMSL Analytical Inc. **PLM Sheet and Chain of Custody** Page 1 of 1

Client and Address EmCON - MAHWAH, NJ			Date Sampled
Site Address Lockheed MArtin - GreAT Neck, NY	Work Area		Date Submitted 10/16/97
Project Manager:	Inspector:	Project #	Turn Around Time 5 DAYS
Fax Results To: Chris Andrews	Page Results To:	Phone Results To:	Number of Samples 4
Analytical Procedure (Circle One)	PLM EPA 600 · PLM P.C. · [✓ PLM NOB] · TEM NOB · Other		Billing # L192-8555

Sample Number	Location	Sample Description	Comments
GN WB-13A		wood Block mastic	
GN-WB-A1		" " "	
GN-WB-11A		" " "	
GN WB-9A		Linoleum/MASTIC	
	PLM - NOB	TEM < 1% ACM	

Relinquished By (Signature)	Date Time	Agent of	Received By (Signature)	Date Time	Agent of
	10/16/97 9:00am		Jackie Bled	10/17/97	EmSL
Relinquished By (Signature)	Date Time	Agent of	Received By (Signature)	Date Time	Agent of

Comments:

EMSL 208 Stonehenge Lane Carle Place NY 11514 Phone (516) 997-7251 Fax (516) 997-7528

EMSL Analytical, Inc.

208 Stonehenge Lane
Carle Place, New York
Ph: (516) 997-7251 F: 997-7528

EMSL

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

October 29, 1997
Ref Number: LI978819
ELAP 11469
NVLAP 101048-10

Project: **Great Neck, NY**

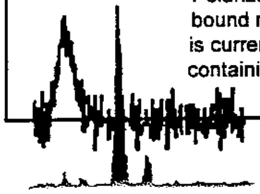
PLM NOB Analysis Results (ELAP 198.1 Method)*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	NON-FIBROUS MATRIX MATERIAL	NON-ASBESTOS FIBROUS MATERIAL	PERCENT ASBESTOS
CM-500	Floor Tile	Beige	100%	None Detected	Trace Chrysotile
CM-500M	Floor Tile Mastic	Black	100%	None Detected	<1.0% Chrysotile
CM-501	Floor Tile	Tan	100%	None Detected	Trace Chrysotile
CM-501M	Floor Tile Mastic	Black	100%	None Detected	2.6% Chrysotile

Analyst

Laboratory Director

*Polarized Light Microscopy (PLM) is not reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials (NOBs). Results <1% asbestos are inconclusive and quantitative Transmission Electron Microscopy (TEM) is currently the only method which can be used to determine if this material can be considered or treated as non-asbestos containing.



EMSL Analytical, Inc. **CHAIN OF CUSTODY** **Asbestos**

EMSL Representative: Philip K. Loh
Your Company Name: Emcon
EMSL-Bill to: Emcon L197-8819

Street: One International Blvd.
Box #: Suite 700
City/State: Mahwah, NJ Zip: 07495

Street:
Box #: PO Box 349014
City/State: Sacramento, CA Zip: 95834

Phone Results to: Name: Chris Andrews
Telephone #: 201-512-5700
Project Name/Number: Great Neck, NY

Fax Results to: Name:
Fax #: 201-512-5786
Purchase Order #: S2123/00

MATRIX

☐ Air
☐ Bulk
☐ Wipe
☒ Floor Tile
☐ Drinking Water
☐ Wastewater
☐ Soil
☐ Dust

TURNAROUND

☐ 6-10 Days
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☒ 24 Hours
☐ 12 Hours
☐ Same Day*
☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other: ____________

PLM
☐ EPA 600
☐ NOB
☐ Point Count
☐ Other: ____________

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.1
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐ ____________

SAMPLE NUMBER		LOCATION	VOLUME (If Applicable)
CM500	M-148-01	MANUFACTURE Col E-9	PLM (NOB)
CM501	M 149-01	Manufacture Col H-9	↓

Client Sample # (s) CM500 - CM501 Total Samples: 2

Relinquished: Carl J M Date: 10-28-97 Time: 9 30

Received: Steve Robinson Date: 10/28/97 Time: 9:30am

Received: ____________ Date: ____________ Time: ____________

PAINT CHIP SAMPLE DATA

October 23, 1997

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

ANALYTICAL REPORT:
Project:

EMSL Project # LI97 7881A

Date Received: 10/2/97

Samples were analyzed for lead, chromium and zinc in paint.

Lab #	Client Designation		Pb - %wt. EPA method SW846-7420 Date Analyzed 10/3/97	Cr - %wt. EPA method Sw846-7190 Date Analyzed 10/22/97	Zn - %wt. EPA method SW846-7950 Date Analyzed 10/22/97
20335	LP 834	LP 834-01	0.28	0.026	0.123
20336	LP 835	LP 835-01	15.35	3.624	2.091
20337	LP 836	LP 836-01	4.68	0.009	8.702
20338	LP 837	LP 837-01	0.18	0.024	0.596
20339	LP 838	LP 838-01	3.06	0.457	1.156
20340	LP 839	LP 839-01	0.24	0.048	0.229
20341	LP 840	LP 840-01	0.01	0.001	0.639
20342	LP 841	LP 841-01	4.13	0.912	0.301

Reviewed and approved by:
S. Cherny
Svetlana Chernyakhovskaya
Chemistry Laboratory Manager
ELAP Certificate No: 11469

October 23, 1997

Emcon
One International Blvd.
Suite 700
Mahwah, NJ 07495

ANALYTICAL REPORT:
Project:

EMSL Project # LI97 7801A

Date Received: 9/30/97

Samples were analyzed for lead, chromium and zinc in paint.

Lab #	Client Designation		Pb - %wt. EPA method SW846-7420 Date Analyzed 10/2/97	Cr - %wt. EPA method SW846-7190 Date Analyzed 10/22/97	Zn - %wt. EPA method SW846-7950 Date Analyzed 10/22/97
20072	LP 800	LP 800-01	0.02	0.001	0.182
20073	LP 801	LP 801-01	0.19	0.013	0.698
20074	LP 802	LP 802-01	0.02	0.001	0.006
20075	LP 803	LP 803-01	0.02	0.001	0.010
20076	LP 804	LP 804-01	0.04	0.556	1.475
20077	LP 805	LP 805-01	0.27	0.045	1.373
20078	LP 806	LP 806-01	0.27	0.005	3.632
20079	LP 807	LP 807-01	0.57	0.085	0.183
20080	LP 808	LP 808-01	12.93	3.188	0.242
20081	LP 809	LP 809-01	0.23	0.003	2.356
20082	LP 810	LP 810-01	0.08	0.004	0.063
20083	LP 811	LP 811-01	0.52	<0.005	1.347
20084	LP 812	LP 812-01	0.54	0.063	1.440
20085	LP 813	LP 813-01	4.22	<0.005	2.582
20086	LP 814	LP 814-01	0.32	<0.005	0.263
20087	LP 815	LP 815-01	0.71	0.089	0.071
20088	LP 816	LP 816-01	0.02	<0.005	0.229

Reviewed and approved by:

S. Cherny

Svetlana Chernyakhovskaya
Chemistry Laboratory Manager
ELAP Certificate No: 11469

EMSL, 208 Stonehenge Rd, Carle Place, NY 11514 Phone: (516) 997-7251 Fax: (516) 997-7528

October 23, 1997

Emcon
One International Blvd.
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Project:

EMSL Project # LI97 7801A

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Samples were analyzed for lead, chromium and zinc in paint.

Lab #	Client Designation		Pb - %wt. EPA method SW846-7420 Date Analyzed 10/2/97	Cr - %wt. EPA method SW846-7190 Date Analyzed 10/22/97	Zn - %wt. EPA method SW846-7950 Date Analyzed 10/22/97
20089	LP 817	LP 817-01	14.52	0.001	3.170
20090	LP 818	LP 818-01	0.09	0.001	0.025
20091	LP 819	LP 819-01	2.95	0.007	7.078
20092	LP 820	LP 820-01	2.53	0.031	5.997
20093	LP 821	LP 821-01	2.51	0.025	2.883
20094	LP 822	LP 822-01	1.57	0.328	20.307
20095	LP 823	LP 823-01	10.35	0.008	4.590
20096	LP 824	LP 824-01	0.09	0.015	0.730
20097	LP 825	LP 825-01	0.27	0.033	0.593
20098	LP 826	LP 826-01	0.43	0.054	0.389
20099	LP 827	LP 827-01	7.69	2.329	7.600
20100	LP 828	LP 828-01	20.29	2.325	2.036
20101	LP 829	LP 829-01	2.73	0.333	1.625
20102	LP 830	LP 830-01	2.15	0.486	23.351
20103	LP 831	LP 831-01	4.41	1.017	0.020
20104	LP 832	LP 832-01	4.89	0.174	1.994
20105	LP 833	LP 833-01	0.19	0.042	0.288

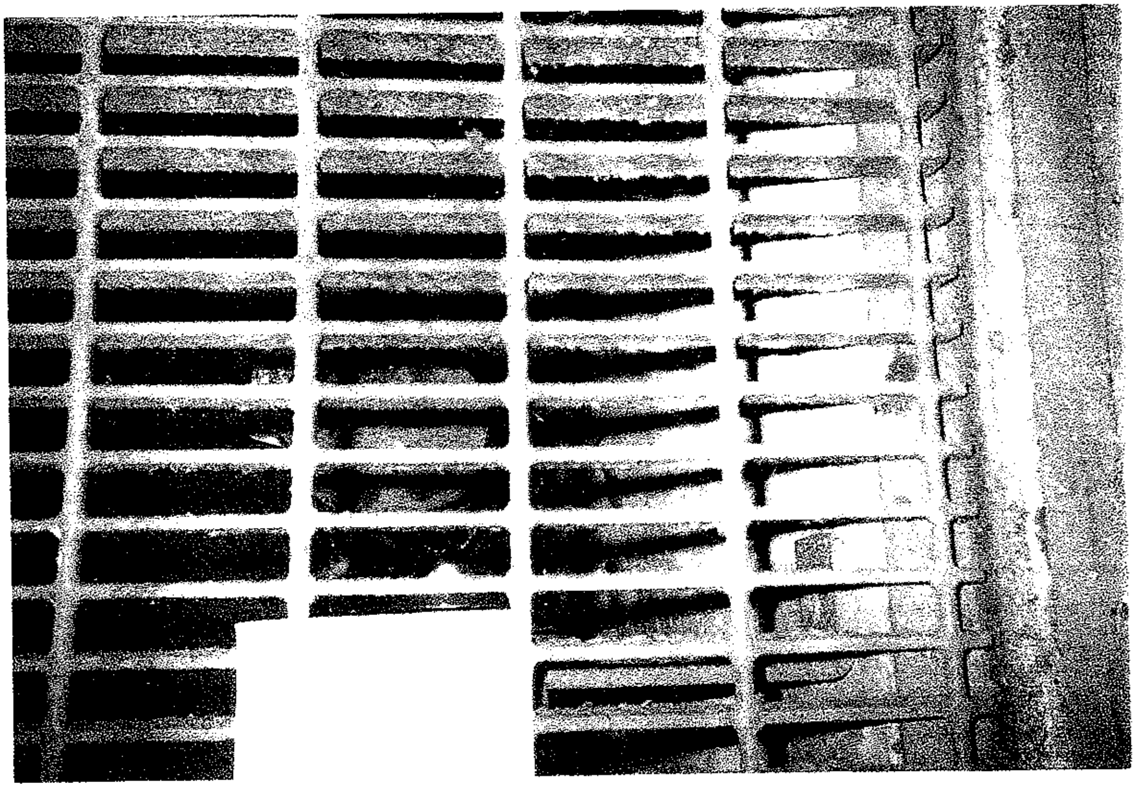
Reviewed and approved by:

Svetlana Chernyakhovskaya
Chemistry Laboratory Manager
ELAP Certificate No: 11469

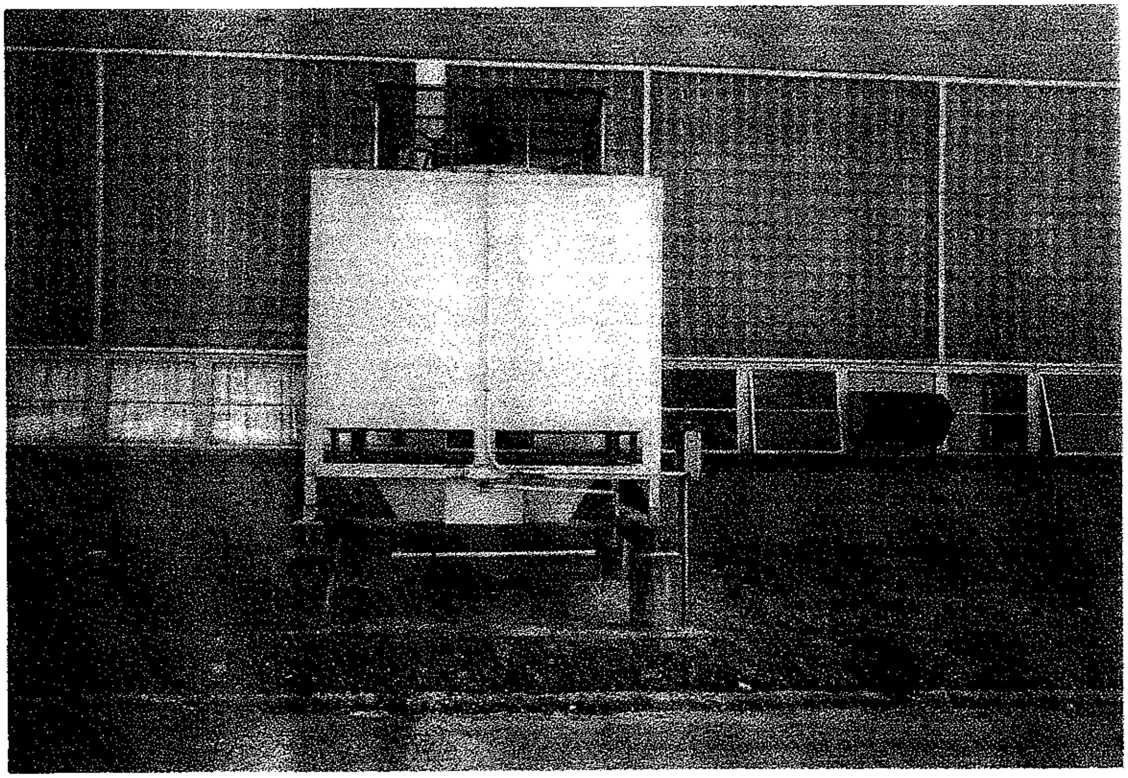
APPENDIX B

SAMPLE LOCATION PHOTOGRAPHS

ENVIRONMENTAL SAMPLE LOCATION PHOTOGRAPHS



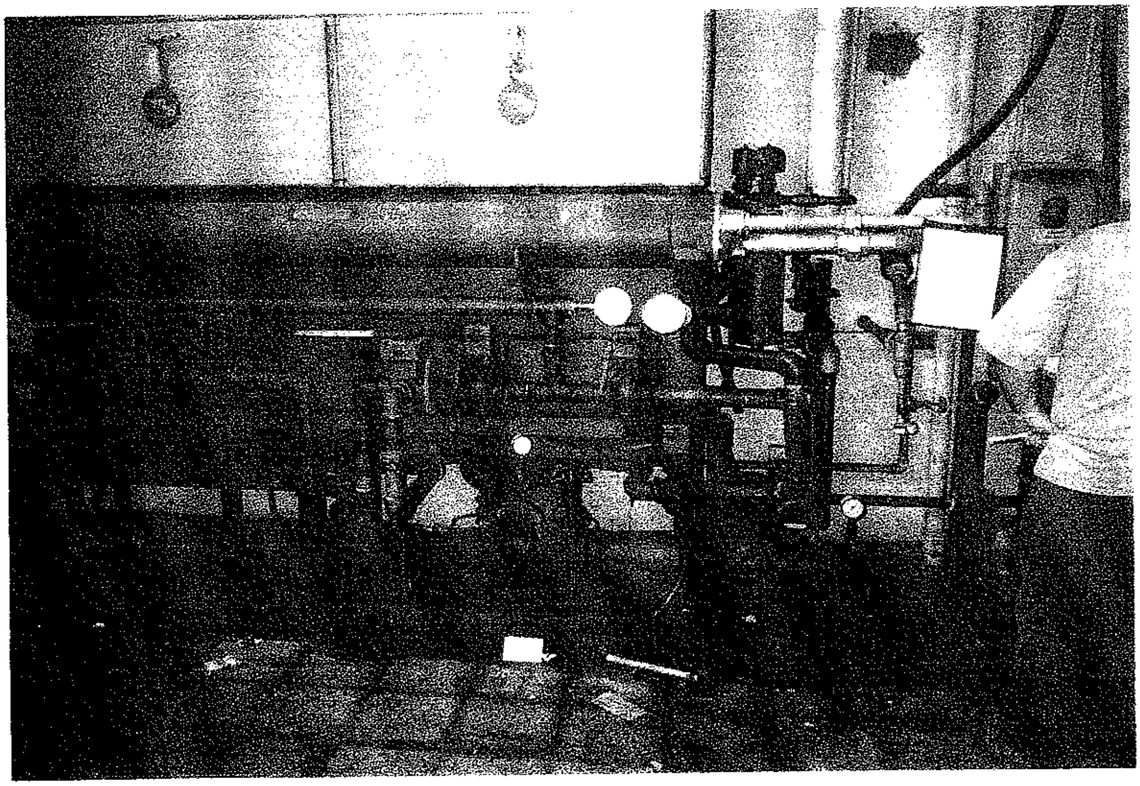
Sample location GN-RS-09
Sump located in Environmental Test Building



Sample location GN-RS-10 and GN-RS-11
Cooling Tower located outside High Power Test Lab

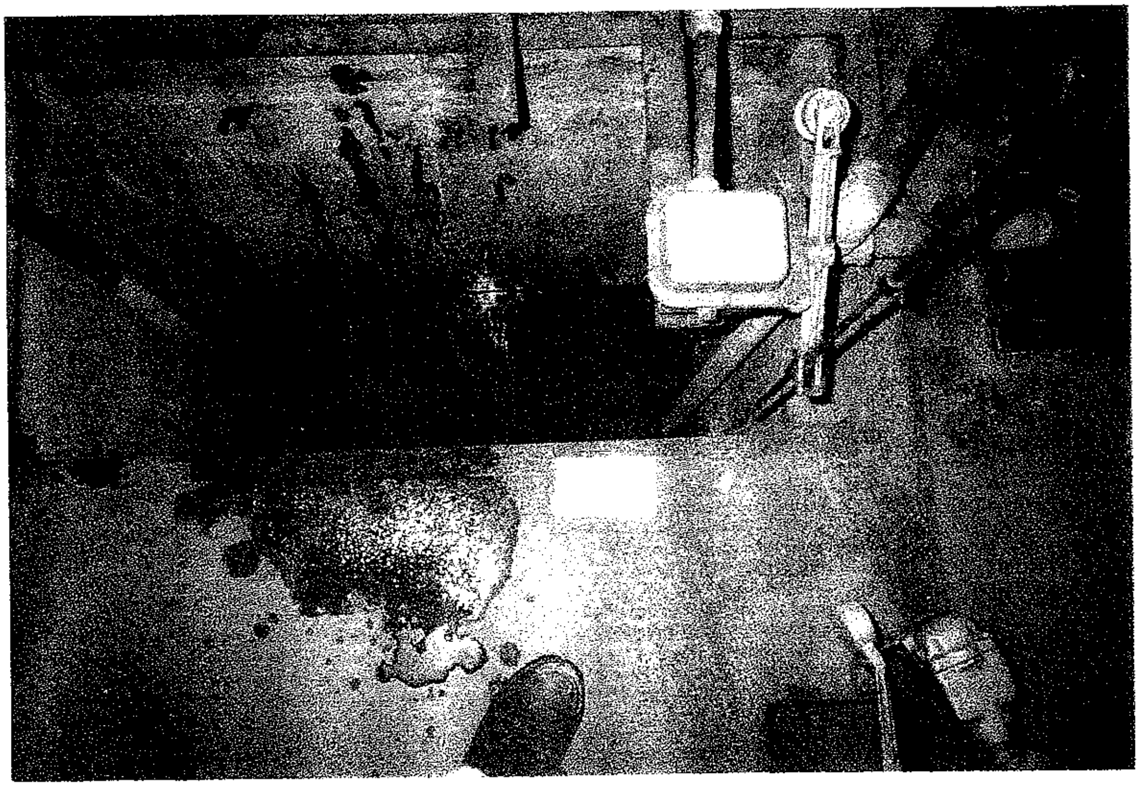
Lockheed Martin
Great Neck, New York
86401-001.000

Sample location GN-RS-07
Paint Storage Room Floor

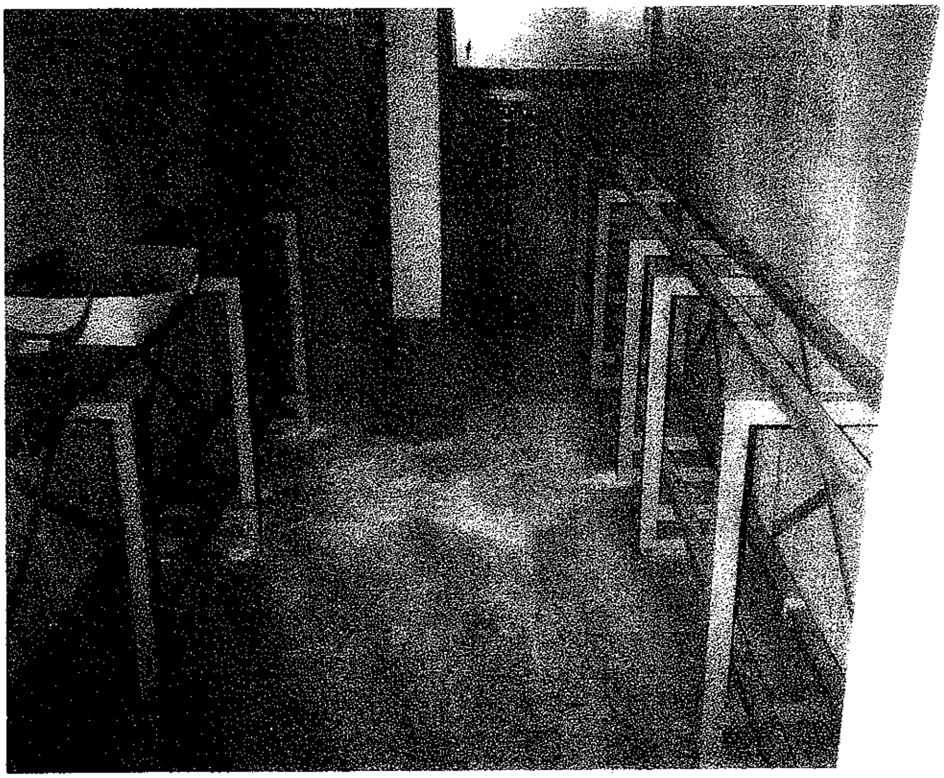


Sample location GN-RS-08
Floor beneath Equipment located in Environmental Test Building

Lockheed Martin
Great Neck, New York
86401-001.000

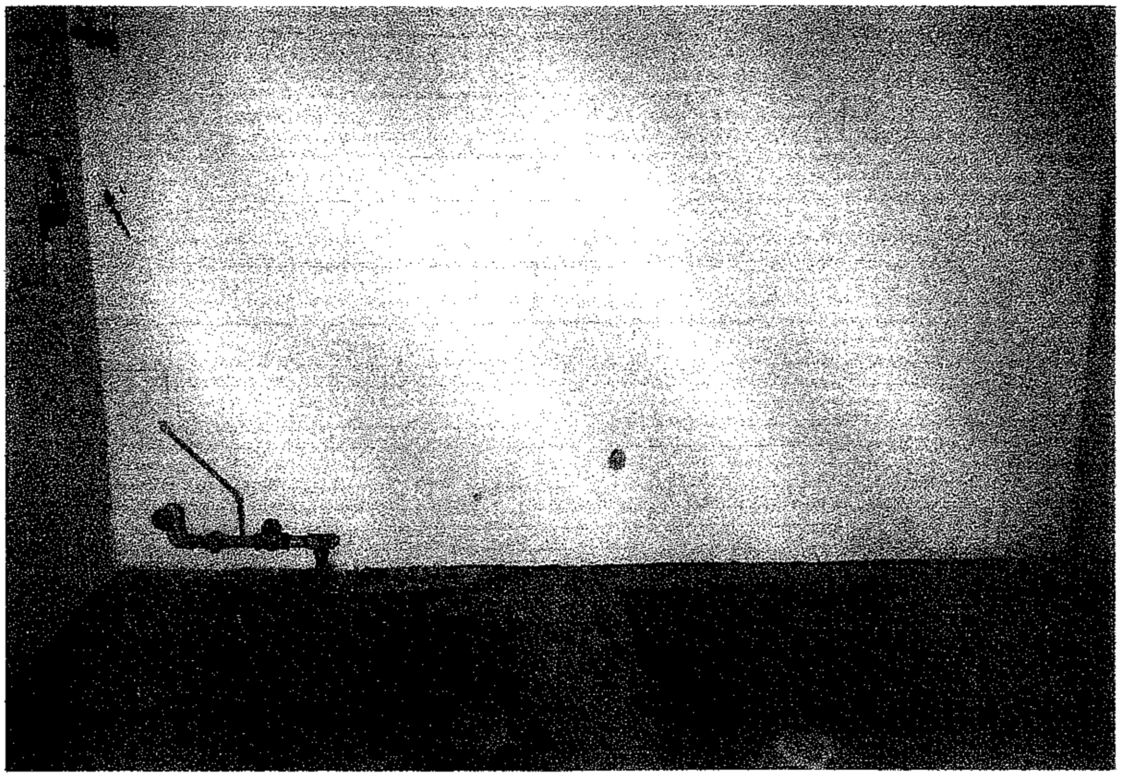


Sample location GN-RS-04
Sump located in Foundry Basement



Sample locations GN-RS-05 and GN-W-02
Battery Room Floor

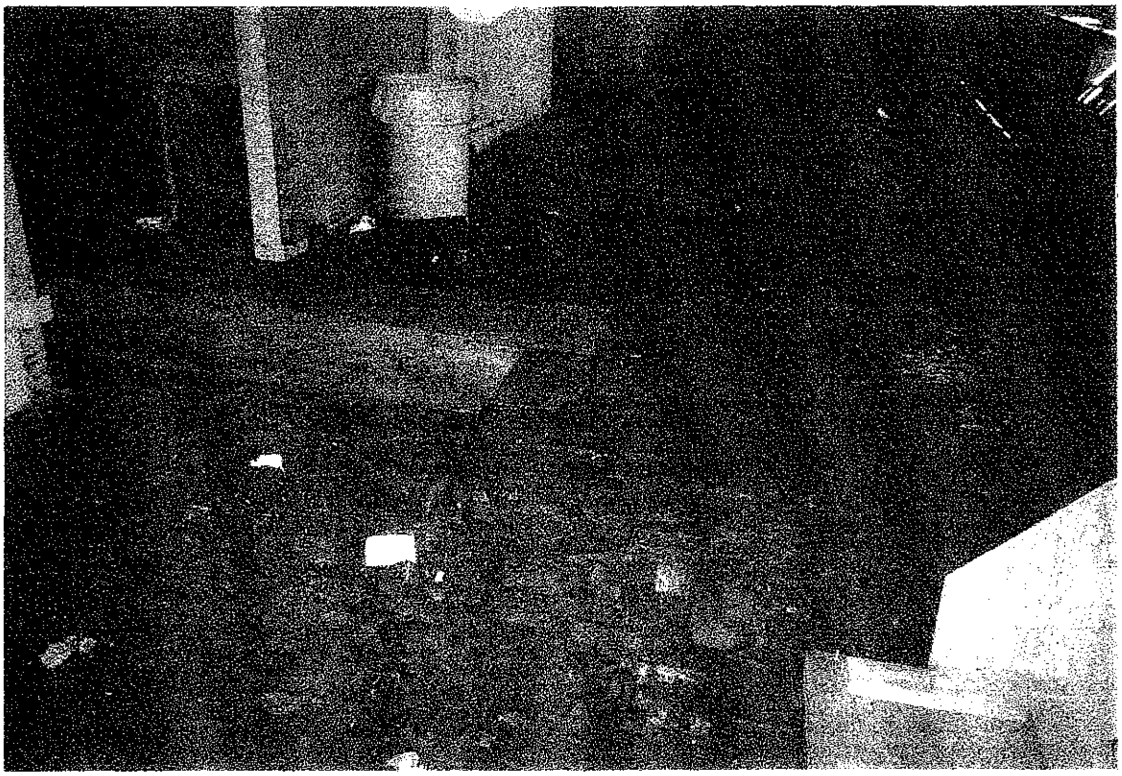
Lockheed Martin
Great Neck, New York
86401-001.000



Sample location GN-RS-01
Sumps located in Short Order Machine Shop

Sample location GN-RS-02
Sump located in Process Photo Room

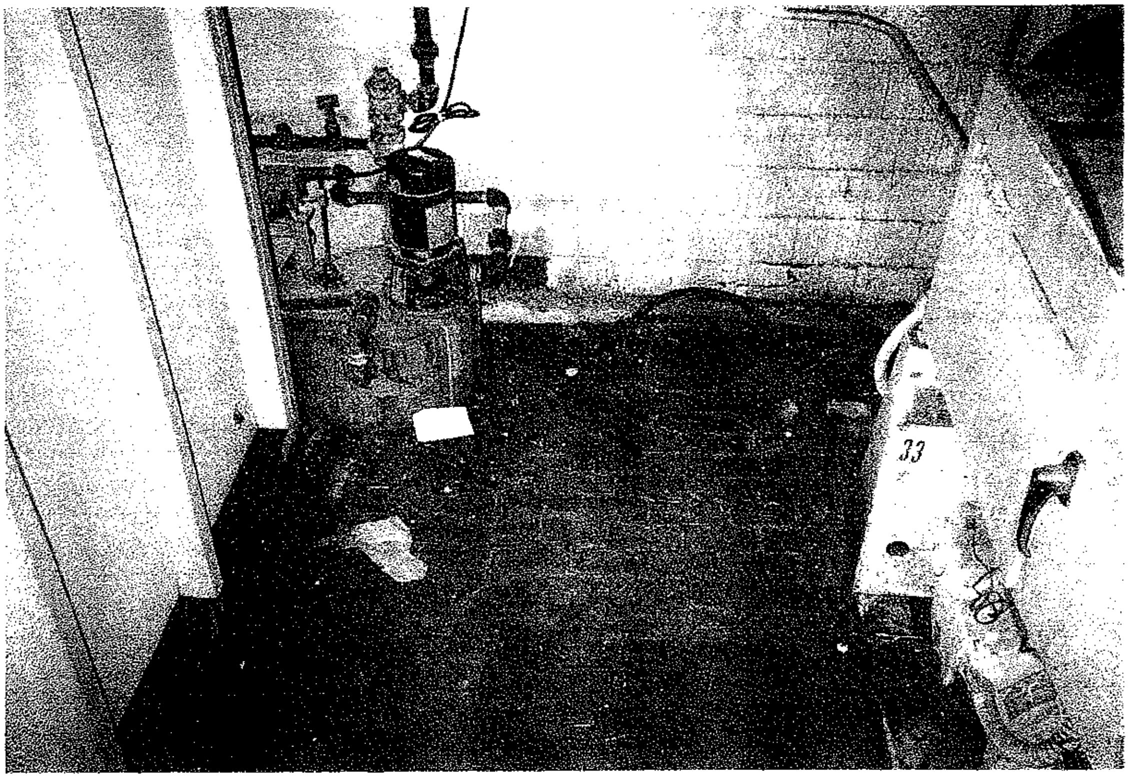
Lockheed Martin
Great Neck, New York
86401-001.000



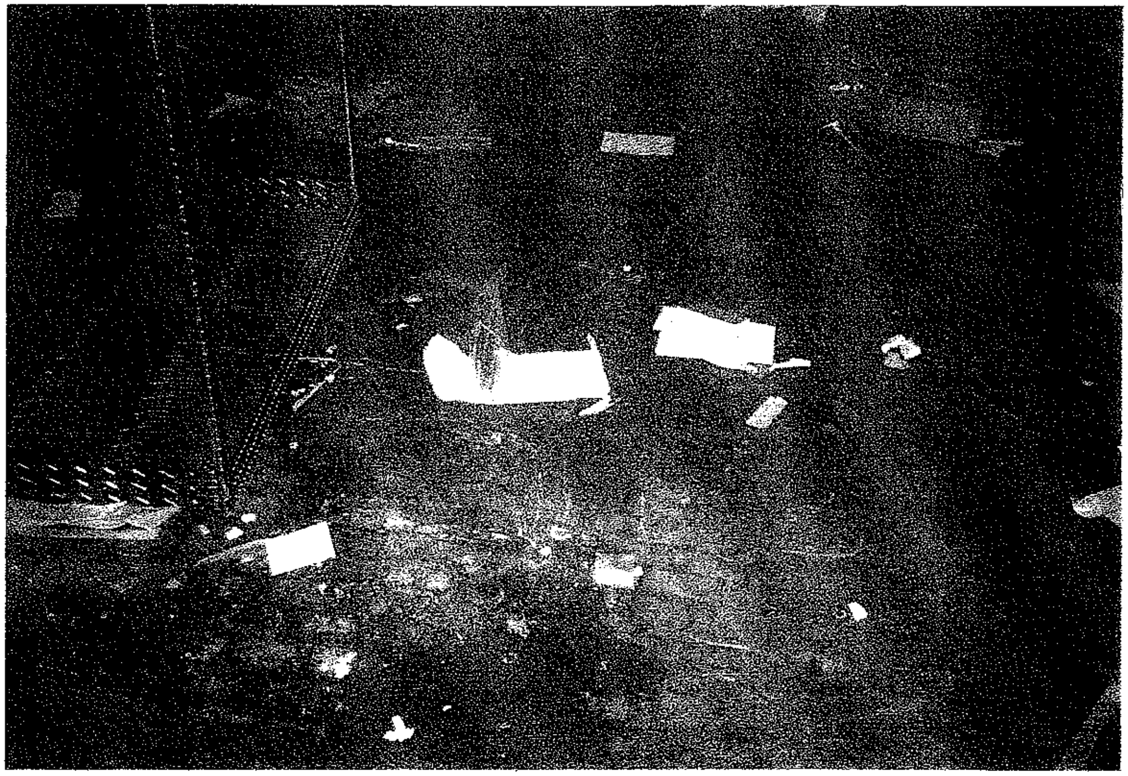
Sample location GN-WB-03 and GN-WB-06
Annex

Sample location GN-WB-04
Annex

Lockheed Martin
Great Neck, New York
86401-001.000

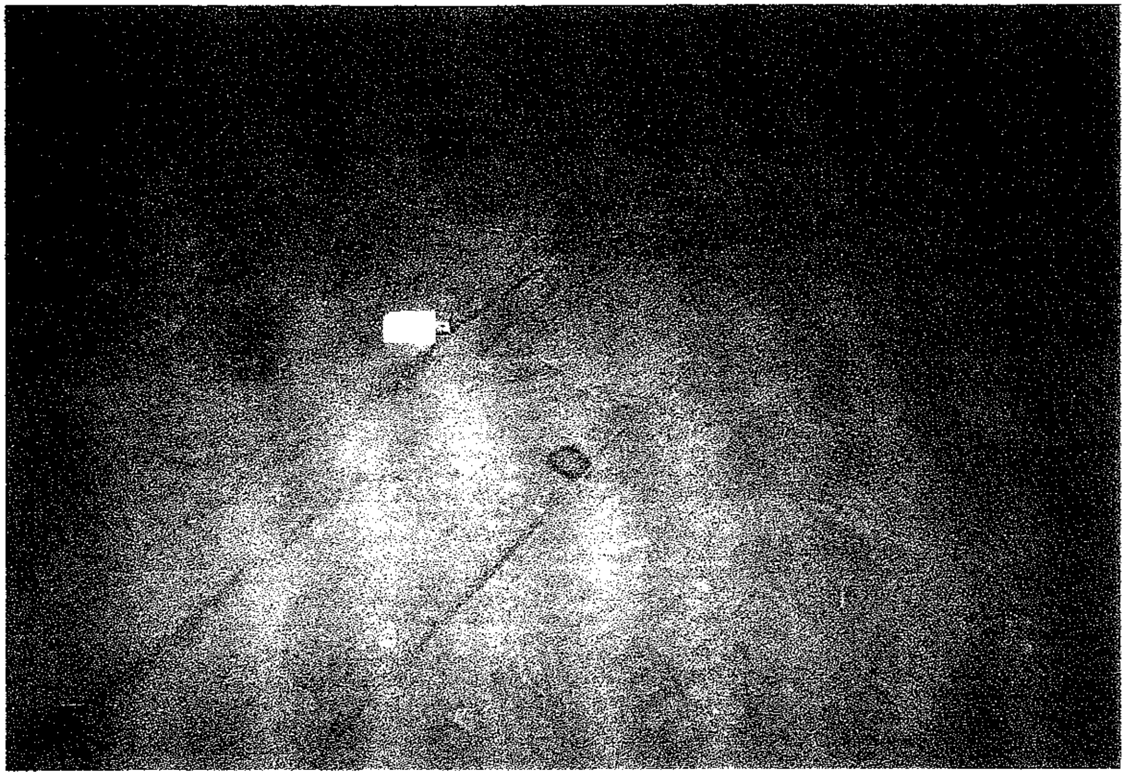


Sample location GN-WB-01
Gauge room floor

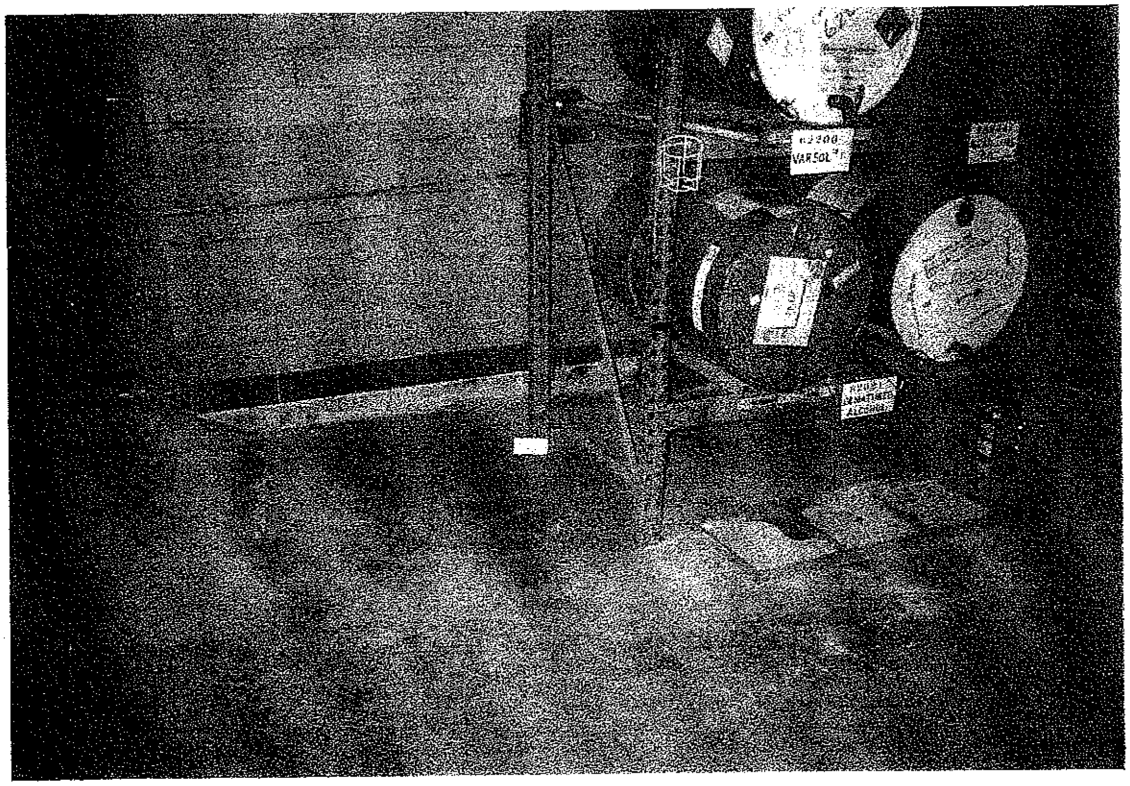


Sample location GN-WB-02
Nexrad storage room floor

Lockheed Martin
Great Neck, New York
86401-001.000

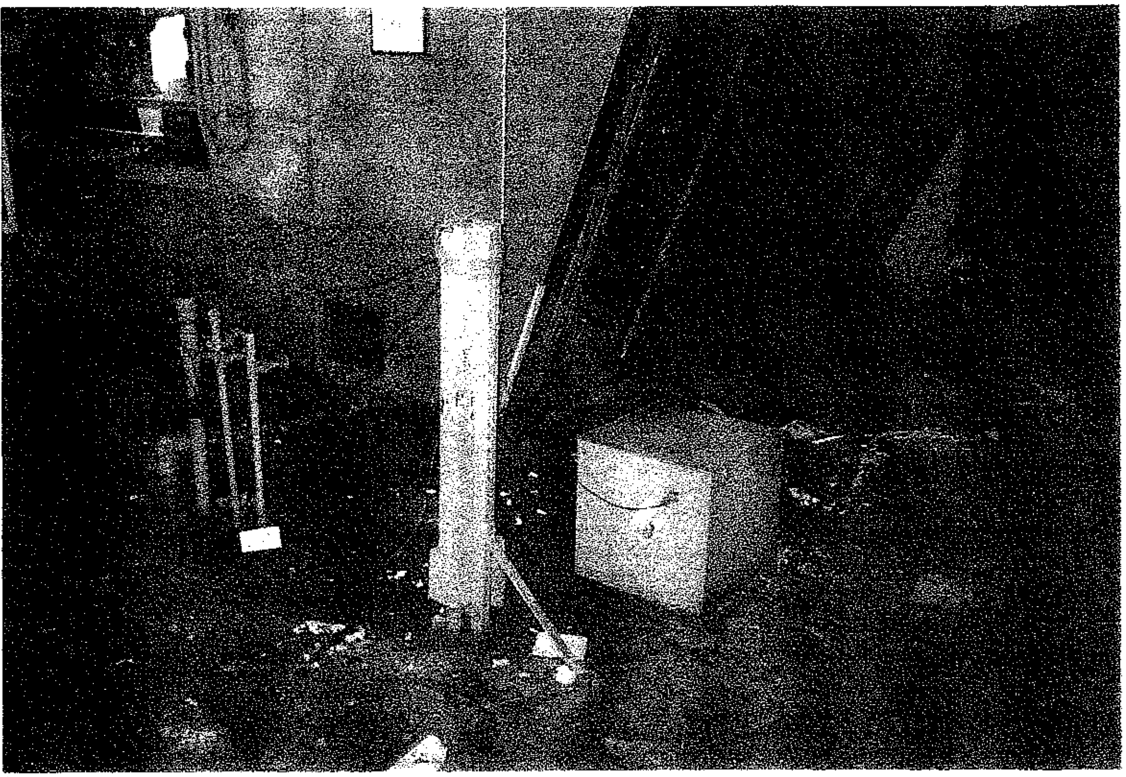


Sample location GN-CC-01
Garage floor

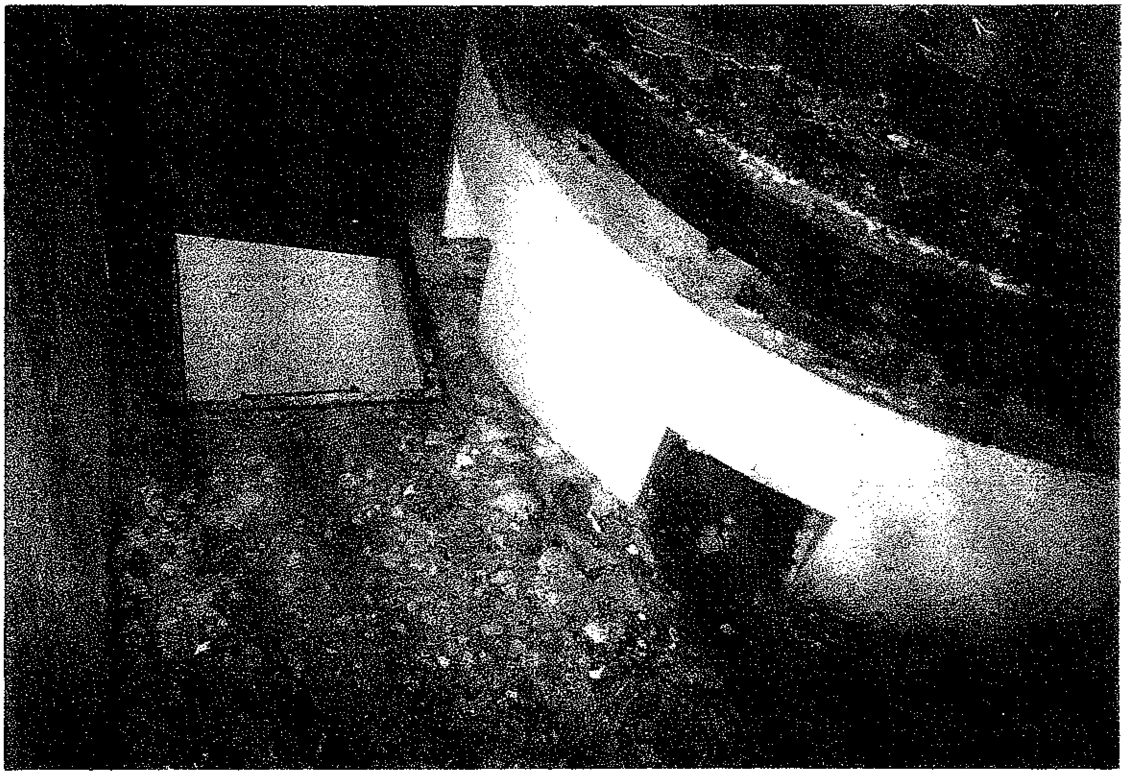


Sample location GN-CC-02
Oil room floor

Lockheed Martin
Great Neck, New York
86401-001.000

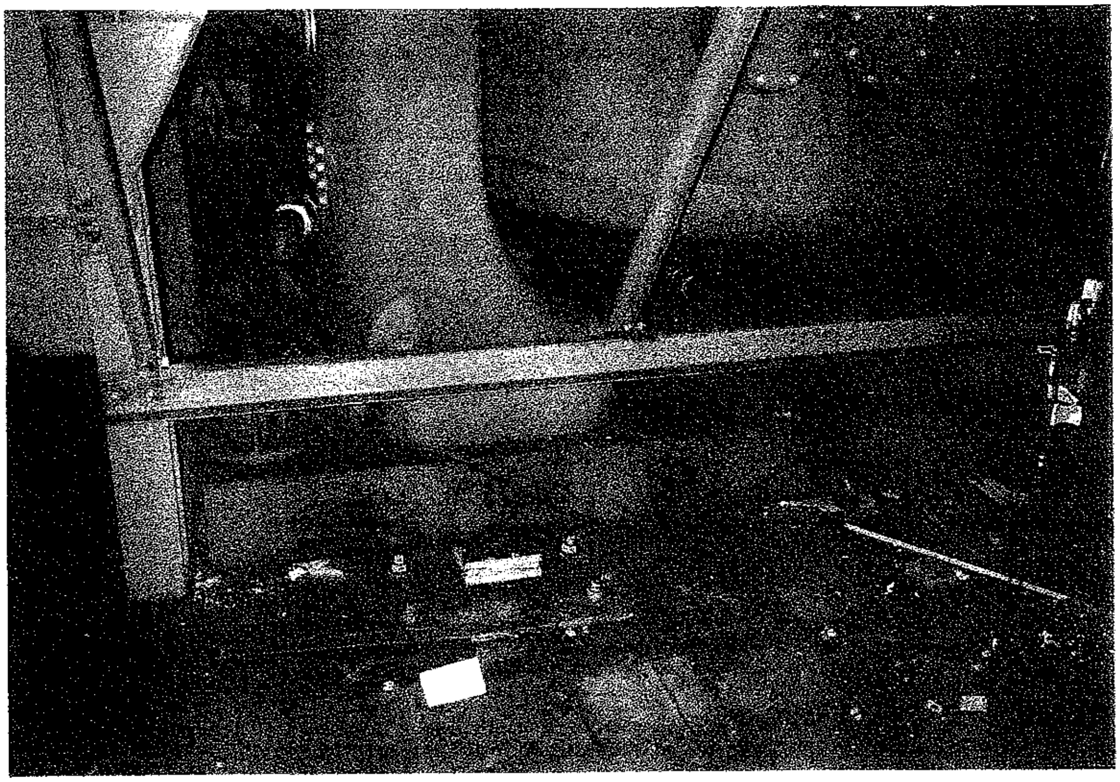


Sample location GN-W-09
Environment Test Building floor beneath equipment



Sample location GN-0-01
Sump in Scorsby Pit located in Foundry

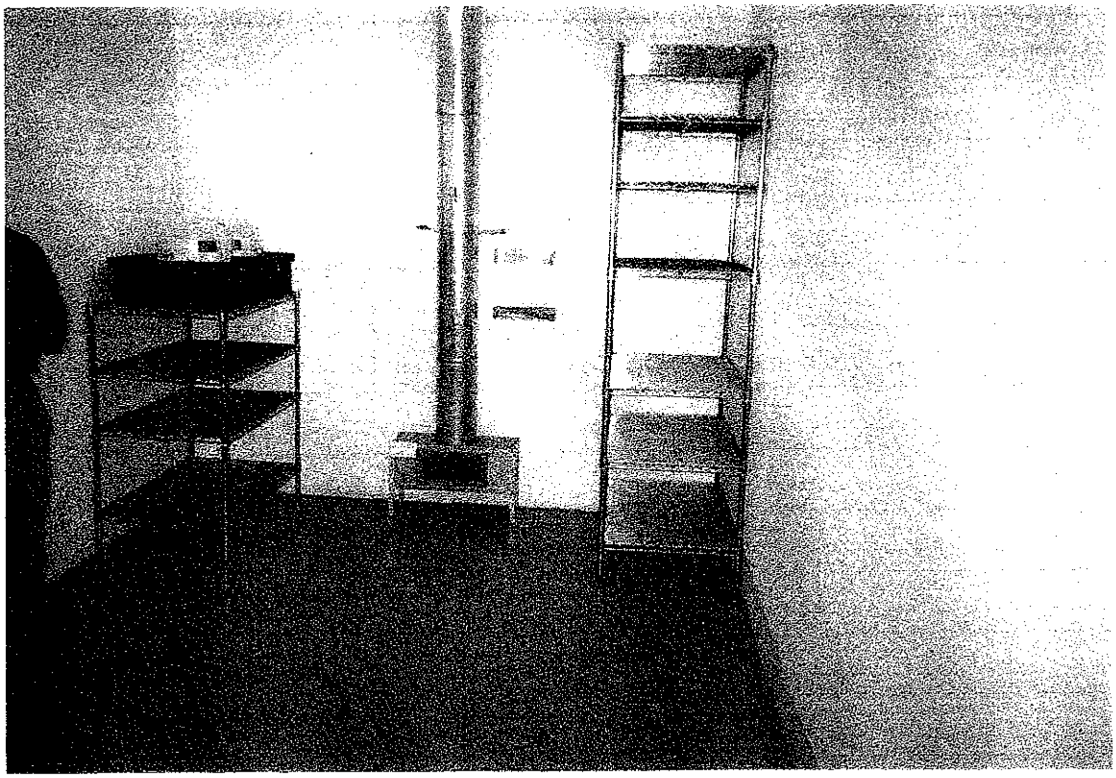
Lockheed Martin
Great Neck, New York
86401-001.000



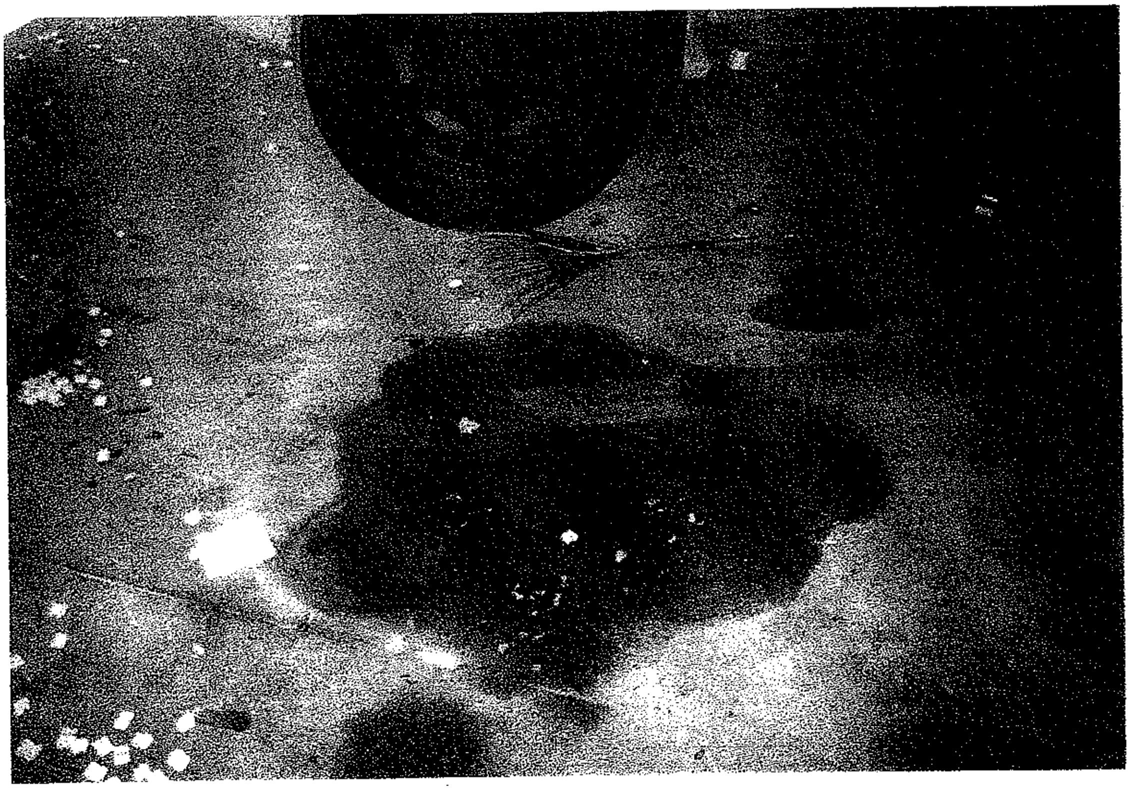
Sample location GN-W-07
Floor of Environment Test Building near shaker table

Sample location GN-W-08
Floor of Environmental Test Building near compressors

Lockheed Martin
Great Neck, New York
86401-001.000



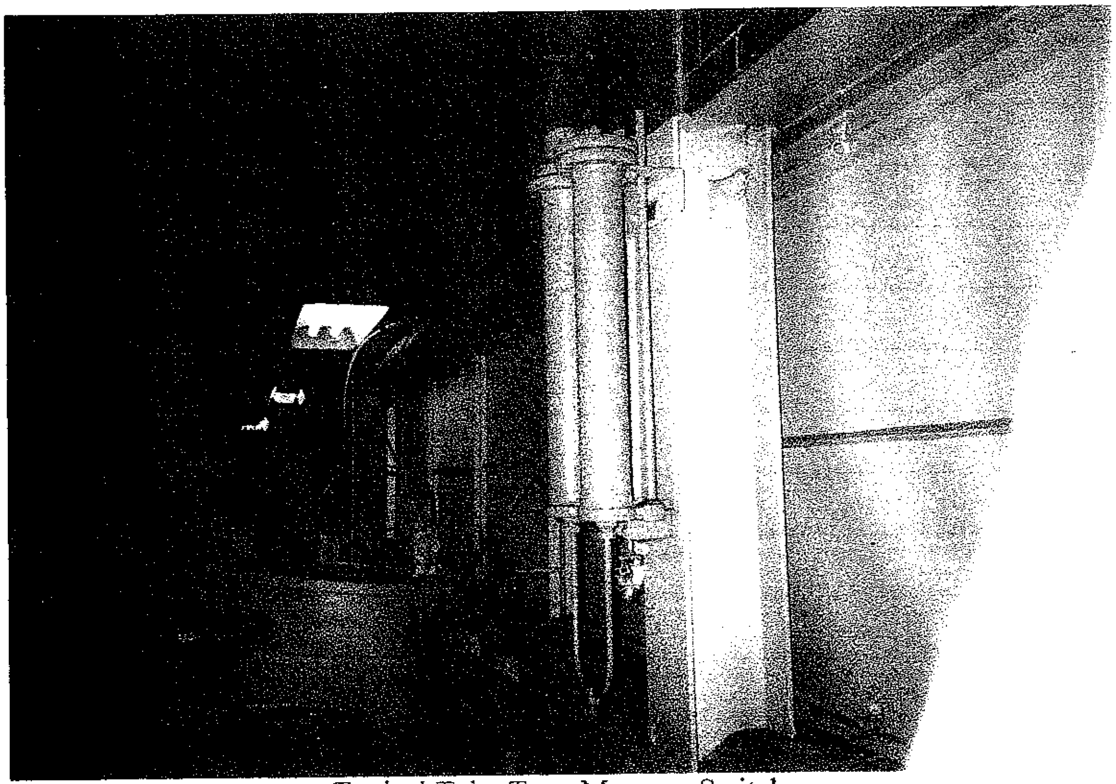
Sample location GN-W-05
Floor of Corrosive Storage Room



Sample location GN-W-06
Garage floor

Lockheed Martin
Great Neck, New York
86401-001.000

Sample location GN-WB-03 and GN-WB-07
ANC/Trident area floor



Typical Tube Type Mercury Switch
Boiler House

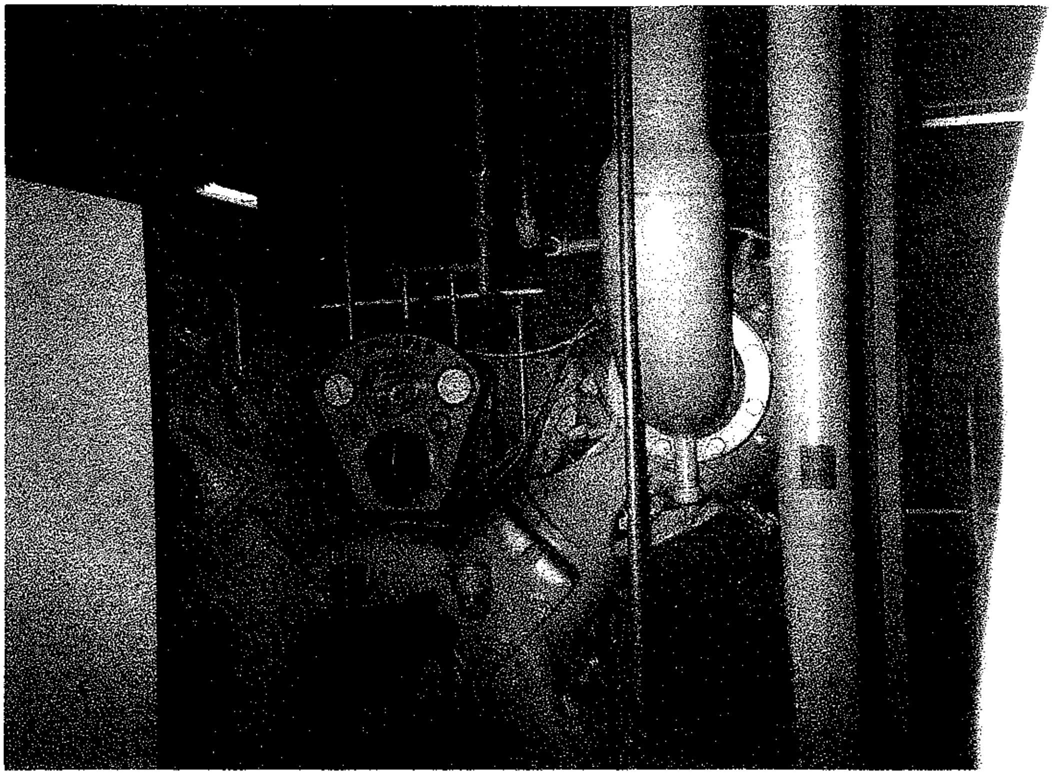
Lockheed Martin
Great Neck, New York
86401-001.000

Sample location GN-W-03
Floor of flammable Storage Room

Sample location GN-W-06
Floor of Oxidizer Storage Room

Lockheed Martin
Great Neck, New York
86401-001.000

Typical Mercoid Switch
Environmental Test Building



Typical Compressor with 1 Mercoid Switch
Boiler House

Lockheed Martin
Great Neck, New York
86401-001.000

APPENDIX C

TRANSFORMER CERTIFICATION REPORTS

ACTS 4 12
SDMYERS
THE TRANSFORMER CONSULTANTS

August 27, 1993

George Patterson
Paramax (A Unisys Co)
365 Lakeville Rd / m/s Fy
Great Neck NY 11020

REF: Verbal

Gentlemen:

Enclosed are the results of the transformer oils recently tested by our personnel.

Please refer to the section of the test data master sheet for the specific type of tests performed on your oil.

Normal servicing of units that contain PCB's in excess of 50 PPM is restricted by Federal Law. We can, however, lower the PCB concentration to acceptable limits. If you wish to discuss the options available please feel free to contact us.

Should you require further work on some of your transformers, a formal quotation will be forwarded per your request.

If you have any questions on this or any related matter, do not hesitate to contact our Tallmadge, Ohio office @ (216) 633-2666.

Very Truly Yours,

Russ Williams Ext 258
Senior Accts Exec

rs

SDMYERS
THE TRANSFORMER CONSULTANTS

180 SOUTH AVENUE
TALLMADGE, OHIO 44278
ID#- 3585000

TC# 1
DATE PRINTED 8/16/93

CUST-PARAMAX (A UNISYS COMPANY CITY- GREAT NECK, NY
SUB NAME- MAIN
UNIT# -TRANSFER XFMR
LOCATION- OUTDOOR/GROUND
OTHER -

NAMEPLATE DATA

MFG- AC
DATE MFG -
S/N- 3432957
KVA- 7,500
PRI- 13,800
SEC- 2,400
WEIGHT- 74200

EQUIP TYPE - TRANSFORMER
TRANS CLASS - OA
IMPEDENCE - 5.50%
PHASE/CYCLE - 3/60
LIQUID TYPE - OIL
GAL LIQUID - 2720
OTHER ACCESS -

ADDITIONAL EQUIPMENT

RADIATORS - YES
FANS - YES
H20 COOLED - NO
OIL PUMPS - NO
TOP FPV - 1.00 IN
BOTTOM FPV - 3.00 IN

CONSERVATOR- 120 GALLONS
LTC COMPARTMENT- NO
BUSHING LOC- TOP
FREE BREATHER- NO
HOSE LENGTH- 100 FEET
SERVICE ON-LINE-
POWER AVAILABLE-

VISUAL INSPECTION

DATE	LEVEL	TEMP	P/V	PAINT	LEAKS
07/20/87	NORMAL	30	N.R.	FAIR	NONE
07/06/88	NORMAL	30	N.R.	FAIR	NONE
07/31/90	NORMAL	40	N.R.	GOOD	YES/TOP SEC.BUSHING
03/16/92	NORMAL	19	N.R.	GOOD	TOP SEC. BUSHING
07/20/93		35	N.R.	FAIR	NONE

FIELD SERVICE

DATE	SERVICE
11/86	RE-REFINE
11/90	REPAIRS
12/90	DEHYDRATE

LIQUID SCREEN TEST DATA

DATE	SERVICE	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
02/06/86		.060 QU	26.5 UN	42 AC	2.00 AC	.890 AC	CLEAR AC	NONE AC
11/03/86	PROOF	.020 AC	38.9 AC	50 AC	2.00 AC	.890 AC	CLEAR AC	NONE AC
07/20/87		.030 AC	35.7 AC	44 AC	2.00 AC	.890 AC	CLEAR AC	NONE AC
07/06/88		.030 AC	32.9 AC	40 AC	1.50 AC	.890 AC	CLEAR AC	NONE AC
07/31/90		.030 AC	32.9 AC	45 AC	1.50 AC	.890 AC	CLEAR AC	NONE AC
12/05/90	PROOF	.020 AC	41.8 AC	47 AC	1.50 AC	.880 AC	CLEAR AC	NONE AC
03/16/92		.030 AC	37.8 AC	46 AC	1.50 AC	.890 AC	CLEAR AC	NONE AC
07/20/93		.030 AC	34.8 AC	50 AC	1.50 AC	.885 AC	CLEAR AC	NONE AC

COMMENTS

INHIBITOR CONTENT

DATE	% BY WEIGHT
07/31/90	.138 % QU
03/20/91	.439 % AC
03/16/92	.418 % AC
07/20/93	.397 % AC

NOTE - STUDIES SHOW THAT A LEVEL OF .3% INHIBITOR IS OPTIMUM FOR PRESERVATION OF IN-SERVICE TRANSFORMER OILS. OILS WITH A LEVEL BELOW .08% ARE CONSIDERED TO BE UNINHIBITED.

LIQUID POWER FACTOR

DATE	25 C	100 C
07/06/88	.031% AC	1.100% AC
07/31/90	.043% AC	.860% AC
12/05/90	.070% AC	1.280% AC
03/16/92	.052% AC	1.220% AC
07/20/93	.094% AC	1.918% AC

THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A A VERY MEANINGFUL TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

KEY TO ABBREVIATIONS: AC — ACCEPTABLE QU — QUESTIONABLE UN — UNACCEPTABLE

SDMYERS
THE TRANSFORMER CONSULTANTS
180 SOUTH AVENUE TALLMADGE, OHIO 44278

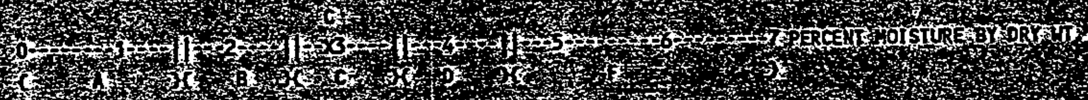
TC# 1

ID#- 3585000 DATE PRINTED 8/16/93

CUST-PARAMAX (A UNISYS COMPANY
UNIT #-TRANSFER XFMR
MFG- AC KVA- 7,500 PRIMARY- 13,800 SUB NAME- MAIN
S/N- 3432957 GAL- 2,720 SECONDARY- 2,400 LOCATION- OUTDOOR/GROUND

KARL FISCHER TESTING MOISTURE CONTENT EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	PPM	PERCENT SATURATION	PERCENT /DRY WEIGHT	AGING FACTOR	GRADE
07/20/87		25C	27	50	4.59	77X	F
07/06/88		35C	30	36	2.95	45X	C
07/31/90		22C	17	36	3.32	49X	C
12/05/90	PROOF	N/A	10	N/A	N/A	N/A	AC
03/16/92		11C	10	22	1.5	2X	A
07/20/93		29C	22	34	2.90	41X	C



GAS-IN-OIL ANALYSIS GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
02/06/86	112	8783	54634	14	455	1995	6	2	ND	589	66001
07/20/87	28	17583	62987	6	268	1628	TRACE	TRACE	ND	302	82500
7/06/88	10	21537	64016	11	385	2036	4	2	ND	412	88001
/31/90	24	18377	53271	12	424	2130	5	8	ND	473	74251
11/14/90	30	21432	63773	15	522	2209	6	13	ND	586	88000
03/20/91	13	20869	63365	25	101	805	12	61	TRACE	212	85251
03/16/92	14	22081	63638	11	310	1936	4	7	TRACE	346	88001
07/20/93	27	21318	63563	15	444	2620	4	9	ND	499	88000

RECOMMENDATION * COMMENTS
RETEST 1 YEAR * B-THE ANALYSIS OF THIS SAMPLE SHOWS NO SIGNIFICANT INCREASE IN THE COMBUSTIBLE GAS VOLUME.
*
*
*

ICP METALS-IN-OIL EXPRESSED IN PPM

DATE	ALUMINUM	IRON	ZINC	COPPER
07/06/88	ND	ND	.010	.060
07/31/90	ND	ND	ND	ND
03/16/92	ND	ND	ND	ND
07/20/93	ND	ND	ND	ND

RECOMMENDATION * COMMENTS
RETEST 1 YEAR * THERE IS NO SIGNIFICANT CHANGE IN THE TEST DATA. THEREFORE, THE DATA DOES NOT SUGGEST A CAUSE FOR CONCERN AT THIS TIME.

PCB CONTENT EXPRESSED IN PPM

DATE	1242	1254	1260	OTHER	TOTAL
10/10/86			3		3

COLOR LABEL - GREEN CLASS NON-PCB

SDMYERS
THE TRANSFORMER CONSULTANTS

180 SOUTH AVENUE TALLMADGE, OHIO 44278
ID#- 3585000

TC# 2
DATE PRINTED 8/16/93

CUST-PARAMAX (A UNISYS COMPANY CITY- GREAT NECK, NY LOCATION- OUTDOOR/GROUND
SUB NAME- MAIN SUB UNIT# -BANK 1 OTHER -

NAMEPLATE DATA

MFG- ALLIS CHALMERS
DATE MFG -
S/N- 26312019701
KVA- 7,500
PRI- 67,000
SEC- 13,800
WEIGHT- 74200

EQUIP TYPE - TRANSFORMER
TRANS CLASS - FA/OA
IMPEDENCE - 7.40%
PHASE/CYCLE - 3/60
LIQUID TYPE - OIL
GAL LIQUID - 2717
OTHER ACCESS - TOP INSPECTION PLATE

ADDITIONAL EQUIPMENT

RADIATORS - YES
FANS - YES
H20 COOLED - NO
OIL PUMPS - NO
TOP FPV - 1.00 IN
BOTTOM FPV - 2.00 IN

CONSERVATOR- NO
LTC COMPARTMENT- NO
BUSHING LOC- TOP
FREE BREATHER- NO
HOSE LENGTH- 75 FEET
SERVICE ON-LINE- YES
POWER AVAILABLE-

VISUAL INSPECTION

DATE	LEVEL	TEMP	P/V	PAINT	LEAKS
07/20/87	NORMAL	40	0	GOOD	NONE
07/06/88	NORMAL	40	N.R.	GOOD	NONE
07/31/90		42	N.R.	GOOD	NONE
03/16/92	NORMAL	14	N.R.	GOOD	NONE
07/20/93	NORMAL	40	N.R.	GOOD	NONE

FIELD SERVICE

DATE	SERVICE
05/86	DEHYDRATE
12/90	DEHYDRATE

LIQUID SCREEN TEST DATA

DATE	SERVICE	ACID		IFT		DIEL		COLOR		SP. GR.		VISUAL		SEDIMENT	
02/05/85		.030	AC	37.2	AC	48	AC	1.00	AC	.890	AC	CLEAR	AC	NONE	AC
02/06/86		.020	AC	37.1	AC	45	AC	1.00	AC	.890	AC	CLEAR	AC	NONE	AC
07/20/87		.030	AC	34.8	AC	45	AC	1.50	AC	.880	AC	CLEAR	AC	NONE	AC
07/06/88		.020	AC	33.8	AC	40	AC	1.50	AC	.890	AC	CLEAR	AC	NONE	AC
07/31/90		.020	AC	34.5	AC	39	AC	1.50	AC	.890	AC	CLEAR	AC	NONE	AC
12/05/90	PROOF	.020	AC	40.8	AC	50	AC	1.50	AC	.880	AC	CLEAR	AC	NONE	AC
03/16/92		.020	AC	38.3	AC	49	AC	1.50	AC	.880	AC	CLEAR	AC	NONE	AC
07/20/93		.030	AC	38.1	AC	50	AC	1.50	AC	.885	AC	CLEAR	AC	NONE	AC

COMMENTS

INHIBITOR CONTENT

DATE	% BY WEIGHT
07/31/90	ND UN
03/20/91	.323 % AC
03/16/92	.315 % AC
07/20/93	.314 % AC

NOTE - STUDIES SHOW THAT A LEVEL OF .3% INHIBITOR IS OPTIMUM FOR PRESERVATION OF IN-SERVICE TRANSFORMER OILS. OILS WITH A LEVEL BELOW .08% ARE CONSIDERED TO BE UNINHIBITED.

LIQUID POWER FACTOR

DATE	25 C		100 C	
07/06/88	.059%	AC	2.500%	AC
07/31/90	.043%	AC	.620%	AC
12/05/90	.054%	AC	.440%	AC
03/16/92	.054%	AC	1.200%	AC
07/20/93	.070%	AC	.980%	AC

THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A A VERY MEANINGFUL TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

KEY TO ABBREVIATIONS: AC — ACCEPTABLE QU — QUESTIONABLE UN — UNACCEPTABLE

SDMYERS
THE TRANSFORMER CONSULTANTS

180 SOUTH AVENUE TALLMADGE, OHIO 44278

TC# 2

ID#- 3585000 DATE PRINTED 8/16/93

CUST-PARAMAX (A UNISYS COMPANY

MFG- ALLIS CHALMERS	KVA-	7,500	PRIMARY-	67,000	SUB NAME- MAIN SUB	UNIT #-BANK 1
S/N- 26312019701	GAL-	2,717	SECONDARY-	13,800	LOCATION- OUTDOOR/GROUND	

KARL FISCHER TESTING MOISTURE CONTENT EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	PPM	PERCENT SATURATION	PERCENT DRY WEIGHT	AGING FACTOR	GRADE
07/20/87		35C	20	24	2.00	25X	B
07/06/88		26C	18	32	2.88	41X	C
07/31/90		22C	11	23	2.15	29X	B
12/05/90	PROOF	N/A	<10	N/A	N/A	N/A	AC
03/16/92		13C	<10	11	.15	12X	A
07/20/93		33C	12	15	.27	11X	A

```
      A
0------1-X-||--2---||---3---||---4---||---5--------6--------7 PERCENT MOISTURE BY DRY WT
(    A    )(   B   )(   C   )(   D   )(       E        )
```

GAS-IN-OIL ANALYSIS GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
07/20/87	76	6840	68451	63	31	1342	34	164	ND	368	77001
11/13/87	154	2478	69428	122	71	1658	58	282	ND	687	74251
07/06/88	188	1360	76370	140	96	1235	63	298	ND	785	79750
07/31/90	489	609	68268	248	93	1252	105	435	ND	1370	71499
11/14/90	467	2860	71493	281	93	1179	118	510	ND	1469	77001
03/20/91	23	11442	56814	7	33	415	2	13	ND	78	68749
03/16/92	45	7148	68482	19	126	1133	7	40	ND	237	77000
07/20/93	94	4618	70382	40	212	1568	15	71	ND	432	77000

RECOMMENDATION * COMMENTS
RETEST 1 YEAR * B-THE ANALYSIS OF THIS SAMPLE SHOWS NO SIGNIFICANT INCREASE IN THE COMBUSTIBLE GAS VOLUME.
*
*
*

ICP METALS-IN-OIL EXPRESSED IN PPM

DATE	ALUMINUM	IRON	ZINC	COPPER
07/06/88	ND	ND	.020	.380
07/31/90	ND	ND	ND	.190
03/16/92	ND	ND	ND	ND
07/20/93	ND	ND	ND	.050

RECOMMENDATION * COMMENTS
RETEST 1 YEAR * THERE IS NO SIGNIFICANT CHANGE IN THE TEST DATA. THEREFORE, THE DATA DOES NOT SUGGEST A CAUSE FOR CONCERN AT THIS TIME.

PCB CONTENT EXPRESSED IN PPM

DATE	1242	1254	1260	OTHER	TOTAL
05/14/86					ND

COLOR LABEL - GREEN CLASS NON-PCB

SDMYERS
THE TRANSFORMER CONSULTANTS

180 SOUTH AVENUE TALLMADGE, OHIO 44278
ID#- 3585000

TC# 3
DATE PRINTED 8/16/93

CUST-PARAMAX (A UNISYS COMPANY CITY- GREAT NECK, NY
SUB NAME- MAIN SUB UNIT# -BANK 2
LOCATION- OUTDOOR/GROUND
OTHER -

NAMEPLATE DATA

MFG- ALLIS CHALMERS
DATE MFG -
S/N- 1784646
KVA- 7,500
PRI- 66,000
SEC- 2,400
WEIGHT- 74200

EQUIP TYPE - TRANSFORMER
TRANS CLASS - OA
IMPEDENCE - 6.30%
PHASE/CYCLE - 1/60
LIQUID TYPE - OIL
GAL LIQUID - 2740
OTHER ACCESS -

ADDITIONAL EQUIPMENT

RADIATORS - YES
FANS - YES
H20 COOLED - NO
OIL PUMPS - NO
TOP FPV - 1.00 IN
BOTTOM FPV - 2.00 IN

CONSERVATOR- 120 GALLONS
LTC COMPARTMENT- NO
BUSHING LOC- TOP
FREE BREATHER- NO
HOSE LENGTH- 100 FEET
SERVICE ON-LINE- YES
POWER AVAILABLE-

VISUAL INSPECTION

DATE	LEVEL	TEMP	P/V	PAINT	LEAKS
07/20/87	NORMAL	40	N.R.	GOOD	NONE
07/06/88	NORMAL	40	N.R.	GOOD	NONE
07/31/90	NORMAL	48	N.R.	GOOD	NONE
03/16/92	NORMAL	30	N.R.	GOOD	NONE
07/20/93	NORMAL	30	N.R.	GOOD	NONE

FIELD SERVICE

DATE	SERVICE
05/86	UTILITY
11/86	RE-REFINE
12/90	DEHYDRATE

LIQUID SCREEN TEST DATA

DATE	SERVICE	ACID		IFT		DIEL		COLOR		SP. GR.		VISUAL		SEDIMENT	
02/06/86		.200	UN	19.2	UN	48	AC	3.00	AC	.890	AC	CLEAR	AC	NONE	AC
11/03/86	PROOF	.020	AC	40.4	AC	50	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC
07/20/87		.030	AC	34.8	AC	46	AC	2.00	AC	.880	AC	CLEAR	AC	NONE	AC
07/06/88		.040	AC	29.0	QU	42	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC
07/31/90		.040	AC	28.1	QU	48	AC	2.00	AC	.885	AC	CLEAR	AC	NONE	AC
12/05/90	PROOF	.020	AC	43.0	AC	50	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC
03/16/92		.030	AC	34.9	AC	45	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC
07/20/93		.040	AC	33.1	AC	50	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC

COMMENTS

INHIBITOR CONTENT

DATE	% BY WEIGHT
07/31/90	.133 % QU
03/20/91	.414 % AC
03/16/92	.395 % AC
07/20/93	.378 % AC

NOTE - STUDIES SHOW THAT A LEVEL OF .3% INHIBITOR IS OPTIMUM FOR PRESERVATION OF IN-SERVICE TRANSFORMER OILS. OILS WITH A LEVEL BELOW .08% ARE CONSIDERED TO BE UNINHIBITED.

LIQUID POWER FACTOR

DATE	25 C		100 C	
07/06/88	.031%	AC	1.140%	AC
07/31/90	.044%	AC	.590%	AC
12/05/90	.062%	AC	.690%	AC
03/16/92	.040%	AC	.640%	AC
07/20/93	.032%	AC	.834%	AC

THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A A VERY MEANINGFUL TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

KEY TO ABBREVIATIONS: AC — ACCEPTABLE QU — QUESTIONABLE UN — UNACCEPTABLE

SDMYERS
THE TRANSFORMER CONSULTANTS

180 SOUTH AVENUE TALLMADGE, OHIO 44278

TC# 3

ID#- 3585000

DATE PRINTED 8/16/93

CUST-PARAMAX (A UNISYS COMPANY

UNIT #-BANK 2

MFG- ALLIS CHALMERS	KVA-	7,500	PRIMARY-	66,000	SUB NAME- MAIN SUB
S/N- 1784646	GAL-	2,740	SECONDARY-	2,400	LOCATION- OUTDOOR/GROUND

KARL FISCHER TESTING MOISTURE CONTENT EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	PPM	PERCENT SATURATION	PERCENT /DRY WEIGHT	AGING FACTOR	GRADE
07/20/87		35C	23	28	2.30	29X	B
07/06/88		33C	25	33	2.75	41X	C
07/31/90		24C	21	41	3.69	56X	D
12/05/90	PROOF	N/A	<10	N/A	N/A	N/A	AC
03/16/92		12C	<10	20	1.5	2X	A
07/20/93		24C	18	35	3.15	49X	C

GAS-IN-OIL ANALYSIS GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
02/06/86	11	11486	56310	16	577	3083	13	4	ND	621	71500
07/20/87	33	17573	71158	12	468	2633	4	2	ND	519	91883
07/06/88	34	13931	63896	22	814	3791	8	4	ND	882	82500
07/31/90	58	14871	63835	28	1121	5319	9	8	ND	1224	85249
11/14/90	32	16851	64272	25	823	3230	9	9	ND	898	85251
03/20/91	6	19064	56830	4	142	950	2	1	ND	155	76999
03/16/92	43	15517	55920	16	599	2145	5	4	ND	667	74249
07/20/93	55	14852	59896	21	825	4090	6	5	ND	912	79750

RECOMMENDATION * COMMENTS
RETEST 6 MONTHS * C-THE DETECTION OF CARBON MONOXIDE INDICATES OVERHEATING OF THE CELLULOSIC INSULATION. PROBABLE CAUSES FOR THIS
* CONDITION ARE: OVERLOADING THE TRANSFORMER FOR AN EXTENDED PERIOD OF TIME, OVERHEATED JOINTS, OR CORONA.
*
*

ICP METALS-IN-OIL EXPRESSED IN PPM

DATE	ALUMINUM	IRON	ZINC	COPPER
07/06/88	ND	ND	.010	.070
07/31/90	ND	ND	ND	ND
03/16/92	ND	ND	ND	.070
07/20/93	ND	ND	ND	ND

RECOMMENDATION * COMMENTS
RETEST 1 YEAR * THERE IS NO SIGNIFICANT CHANGE IN THE TEST DATA. THEREFORE, THE DATA DOES NOT SUGGEST A CAUSE FOR CONCERN AT THIS TIME.

PCB CONTENT EXPRESSED IN PPM

DATE	1242	1254	1260	OTHER	TOTAL
05/06/86			11		11
10/10/86			10		10

COLOR LABEL - GREEN CLASS NON-PCB

SDMYERS
THE TRANSFORMER CONSULTANTS

180 SOUTH AVENUE TALLMADGE, OHIO 44278
ID#- 3585000

TC# 4
DATE PRINTED 8/16/93

CUST-PARAMAX (A UNISYS COMPANY CITY- GREAT NECK, NY LOCATION- OUTDOOR/GROUND
SUB NAME- MAIN SUB UNIT# -BANK 3 OTHER -

NAMEPLATE DATA

MFG- ALLIS CHALMERS
DATE MFG -
S/N- 1784645
KVA- 7,500
PRI- 66,000
SEC- 2,400
WEIGHT- 74200

EQUIP TYPE - TRANSFORMER
TRANS CLASS - OA
IMPEDENCE - 6.30%
PHASE/CYCLE - 3/60
LIQUID TYPE - OIL
GAL LIQUID - 2740
OTHER ACCESS -

ADDITIONAL EQUIPMENT

RADIATORS - YES
FANS - YES
H20 COOLED - NO
OIL PUMPS - NO
TOP FPV - 1.00 IN
BOTTOM FPV - 2.00 IN

CONSERVATOR- 120 GALLONS
LTC COMPARTMENT- NO
BUSHING LOC- TOP
FREE BREATHER- NO
HOSE LENGTH- 100 FEET
SERVICE ON-LINE- YES
POWER AVAILABLE-

VISUAL INSPECTION

DATE	LEVEL	TEMP	P/V	PAINT	LEAKS
07/31/90	NORMAL	55	N.R.	GOOD	NONE
12/05/90			.99-		
03/16/92	NORMAL	35	N.R.	GOOD	NONE
04/29/92	NORMAL	35	N.R.	GOOD	NONE
07/20/93	NORMAL	50	N.R.	GOOD	TOP

FIELD SERVICE

DATE	SERVICE
11/86	RE-REFINE
12/90	DEHYDRATE
08/92	DEGAS

LIQUID SCREEN TEST DATA

DATE	SERVICE	ACID		IFT		DIEL		COLOR		SP. GR.		VISUAL		SEDIMENT	
02/06/86		.220	UN	21.8	UN	45	AC	4.50	UN	.890	AC	CLEAR	AC	NONE	AC
11/03/86	PROOF	.020	AC	43.3	AC	48	AC	2.00	AC	.880	AC	CLEAR	AC	NONE	AC
07/20/87		.040	AC	34.6	AC	44	AC	2.00	AC	.880	AC	CLEAR	AC	NONE	AC
07/06/88		.030	AC	32.8	AC	30	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC
07/31/90		.040	AC	30.5	QU	45	AC	2.50	AC	.880	AC	CLEAR	AC	NONE	AC
12/05/90	PROOF	.020	AC	43.8	AC	50	AC	1.50	AC	.890	AC	CLEAR	AC	NONE	AC
03/16/92		.030	AC	34.8	AC	48	AC	2.00	AC	.880	AC	CLEAR	AC	NONE	AC
07/20/93		.040	AC	34.0	AC	50	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC

COMMENTS

INHIBITOR CONTENT

DATE	% BY WEIGHT
07/31/90	.153 % QU
03/20/91	.446 % AC
03/16/92	.428 % AC
07/20/93	.397 % AC

NOTE - STUDIES SHOW THAT A LEVEL OF .3% INHIBITOR IS OPTIMUM FOR PRESERVATION OF IN-SERVICE TRANSFORMER OILS. OILS WITH A LEVEL BELOW .08% ARE CONSIDERED TO BE UNINHIBITED.

LIQUID POWER FACTOR

DATE	25 C		100 C	
07/06/88	.060%	AC	1.640%	AC
07/31/90	.050%	AC	.920%	AC
12/05/90	.072%	AC	.880%	AC
03/16/92	.060%	AC	1.280%	AC
07/20/93	.048%	AC	1.080%	AC

THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A A VERY MEANINGFUL TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

KEY TO ABBREVIATIONS: AC — ACCEPTABLE QU — QUESTIONABLE UN — UNACCEPTABLE

MYERS
THE TRANSFORMER CONSULTANTS

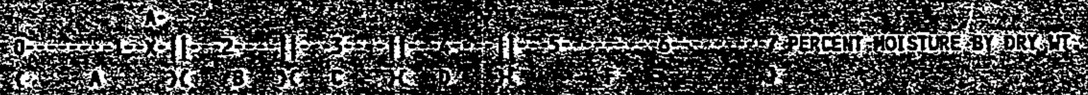
180 SOUTH AVENUE TALLMADGE, OHIO 44278

TC# 4

CUST-PARAMAX (A UNISYS COMPANY
ID#- 3585000
DATE PRINTED 8/16/93
MFG- ALLIS CHALMERS KVA- 7,500 PRIMARY- 66,000 SUB NAME- MAIN SUB
UNIT #-BANK 3
S/N- 1784645 GAL- 2,740 SECONDARY- 2,400 LOCATION- OUTDOOR/GROUND

KARL FISCHER TESTING MOISTURE CONTENT EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	PPM	PERCENT SATURATION	PERCENT /DRY WEIGHT	AGING FACTOR	GRADE
07/20/87		40C	29	29	2.06	25X	B
07/06/88		35C	33	40	3.25	49X	C
07/31/90		28C	29	48	4.21	68X	D
12/05/90	PROOF	N/A	<10	N/A	N/A	N/A	AC
03/16/92		14C	12	38	3.42	53X	C
07/20/93		33C	24	21	1.44	15X	A



GAS-IN-OIL ANALYSIS GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
07/06/88	98	8265	66557	268	1727	5198	64	322	ND	2479	82499
07/31/90	235	5305	55436	414	1849	7709	87	463	2	3050	71500
1/14/90	197	9741	65492	556	1512	4238	123	640	3	3031	82502
/20/91	268	18095	64876	698	519	2385	159	988	11	2643	87999
03/16/92	298	7433	64218	1146	1472	3272	312	1595	4	4827	79750
04/29/92	243	8596	69861	1132	1768	4597	289	1512	3	4947	88001
08/03/92	TRACE	1180	4309	TRACE	TRACE	9	TRACE	TRACE	TRACE	TRACE	5498
07/20/93	75	7480	57164	123	1249	5262	30	116	TRACE	1593	71499

RECOMMENDATION * COMMENTS
RETEST 3 MONTHS * C-THE DETECTION OF CARBON MONOXIDE INDICATES OVERHEATING OF THE CELLULOSIC INSULATION. PROBABLE CAUSES FOR THIS
* CONDITION ARE: OVERLOADING THE TRANSFORMER FOR AN EXTENDED PERIOD OF TIME, OVERHEATED JOINTS, OR CORONA.
*
*

ICP METALS-IN-OIL EXPRESSED IN PPM

DATE	ALUMINUM	IRON	ZINC	COPPER
07/06/88	ND	ND	ND	.050
07/31/90	ND	ND	ND	ND
03/16/92	ND	ND	ND	ND
07/20/93	ND	ND	ND	ND

RECOMMENDATION * COMMENTS
RETEST 1 YEAR * THERE IS NO SIGNIFICANT CHANGE IN THE TEST
DATA. THEREFORE, THE DATA DOES NOT SUGGEST
A CAUSE FOR CONCERN AT THIS TIME.

PCB CONTENT EXPRESSED IN PPM

DATE	1242	1254	1260	OTHER	TOTAL
10/10/86	2		5		7
03/16/92			3		3

COLOR LABEL - GREEN CLASS NON-PCB

SDMYERS
THE TRANSFORMER CONSULTANTS

180 SOUTH AVENUE TALLMADGE, OHIO 44278 TC# 89
ID#- 3585000 DATE PRINTED 8/16/93

CUST-PARAMAX (A UNISYS COMPANY CITY- GREAT NECK, NY LOCATION- OUTDOOR/GROUND
SUB NAME- BANK 3 UNIT# -REGULATOR OTHER -

NAMEPLATE DATA

MFG- AC
DATE MFG -
S/N- 1-2116-12671-2
KVA- 500
PRI- 2,400
SEC-
WEIGHT- 30435

EQUIP TYPE - REGULATOR
TRANS CLASS - OA
IMPEDENCE -
PHASE/CYCLE - 3/60
LIQUID TYPE - OIL
GAL LIQUID - 1195
OTHER ACCESS -

ADDITIONAL EQUIPMENT

RADIATORS - YES
FANS - NO
H2O COOLED - NO
OIL PUMPS - NO
TOP FPV - 1.00 IN VALV
BOTTOM FPV - 1.00 IN VALV

CONSERVATOR- NO
LTC COMPARTMENT- YES
BUSHING LOC- TOP
FREE BREATHER- NO
HOSE LENGTH- 100 FEET
SERVICE ON-LINE- YES
POWER AVAILABLE- YES

VISUAL INSPECTION

DATE	LEVEL	TEMP	P/V	PAINT	LEAKS
07/20/87	NORMAL	30	N.R.	GOOD	NONE
07/06/88	NORMAL	30	N.R.	GOOD	NONE
07/31/90	NORMAL	40	N.R.	GOOD	NONE
03/16/92	NORMAL	25	N.R.	GOOD	NONE
07/20/93	NORMAL	30	N.R.	GOOD	NONE

FIELD SERVICE

DATE	SERVICE
11/86	RE-REFINE
08/92	NEW HOT OIL 6

LIQUID SCREEN TEST DATA

DATE	SERVICE	ACID		IFT		DIEL		COLOR		SP. GR.		VISUAL		SEDIMENT	
02/06/86		.300	UN	19.8	UN	46	AC	2.50	AC	.890	AC	CLEAR	AC	NONE	AC
11/03/86	PROOF	.020	AC	40.4	AC	48	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC
07/20/87		.030	AC	34.2	AC	41	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC
07/06/88		.030	AC	32.1	AC	36	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC
07/31/90		.040	AC	30.5	QU	45	AC	2.00	AC	.885	AC	CLEAR	AC	NONE	AC
03/16/92		.050	AC	28.6	QU	43	AC	2.00	AC	.890	AC	CLEAR	AC	NONE	AC
08/03/92	PROOF	.020	AC	40.1	AC	45	AC	2.00	AC	.880	AC	CLEAR	AC	NONE	AC
07/20/93		.030	AC	34.0	AC	50	AC	2.00	AC	.880	AC	CLEAR	AC	NONE	AC

COMMENTS

INHIBITOR CONTENT

DATE	% BY WEIGHT
07/31/90	.133 % QU
03/16/92	.131 % QU
07/20/93	.380 % AC

NOTE - STUDIES SHOW THAT A LEVEL OF .3% INHIBITOR IS OPTIMUM FOR PRESERVATION OF IN-SERVICE TRANSFORMER OILS. OILS WITH A LEVEL BELOW .08% ARE CONSIDERED TO BE UNINHIBITED.

LIQUID POWER FACTOR

DATE	25 C		100 C	
07/06/88	.022%	AC	.760%	AC
07/31/90	.052%	AC	.450%	AC
03/16/92	.068%	AC	1.610%	AC
08/03/92	.037%	AC	1.172%	AC
07/20/93	.022%	AC	.760%	AC

THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A A VERY MEANINGFUL TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

KEY TO ABBREVIATIONS: AC — ACCEPTABLE QU — QUESTIONABLE UN — UNACCEPTABLE

SDMYERS
THE TRANSFORMER CONSULTANTS
180 SOUTH AVENUE TALLMADGE, OHIO 44278
TC# 89

				ID#- 3585000	DATE PRINTED 8/16/93
CUST-PARAMAX (A UNISYS COMPANY					UNIT #-REGULATOR
MFG- AC	KVA- 500	PRIMARY-	2,400	SUB NAME- BANK 3	
S/N- 1-2116-12671-2	GAL- 1,195	SECONDARY-		LOCATION- OUTDOOR/GROUND	

KARL FISCHER TESTING MOISTURE CONTENT EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	PPM	PERCENT SATURATION	PERCENT DRY WEIGHT	AGING FACTOR	GRADE
07/20/87		25C	35	N/A	N/A	N/A	UN
07/06/88		25C	34	N/A	N/A	N/A	QU
07/31/90		25C	33	N/A	N/A	N/A	QU
03/16/92		25E	13	N/A	N/A	N/A	AC
08/03/92	PROOF	N/A	14	N/A	N/A	N/A	AC
07/20/93		19C	21	N/A	N/A	N/A	AC

GAS-IN-OIL ANALYSIS GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
12/21/83	ND	26619	57846	5	1	757	3	18	1	28	85250
02/05/85	ND	25837	54849	ND	TRACE	439	ND	ND	TRACE	TRACE	81125
2/06/86	ND	25953	53268	ND	ND	529	ND	TRACE	ND	TRACE	79750
/20/87	ND	29538	65835	TRACE	19	858	ND	ND	ND	19	96250
07/06/88	ND	27537	59637	TRACE	30	794	ND	TRACE	2	32	88000
07/31/90	ND	28057	56403	1	30	755	1	1	2	35	85250
03/16/92	ND	30319	62397	1	9	772	1	TRACE	TRACE	11	93499
07/20/93	2	25902	55510	1	42	1038	TRACE	1	4	50	82500

RECOMMENDATION * COMMENTS
RETEST 1 YEAR * B-THE ANALYSIS OF THIS SAMPLE SHOWS NO SIGNIFICANT INCREASE IN THE COMBUSTIBLE GAS VOLUME.
*
*
*

ICP METALS-IN-OIL EXPRESSED IN PPM

DATE	ALUMINUM	IRON	ZINC	COPPER
07/06/88	ND	ND	ND	.030
07/31/90	ND	ND	ND	ND
03/16/92	ND	ND	ND	ND
07/20/93	ND	ND	ND	ND

RECOMMENDATION * COMMENTS
RETEST 1 YEAR * THERE IS NO SIGNIFICANT CHANGE IN THE TEST DATA. THEREFORE, THE DATA DOES NOT SUGGEST A CAUSE FOR CONCERN AT THIS TIME.

PCB CONTENT EXPRESSED IN PPM

DATE	1242	1254	1260	OTHER	TOTAL
10/10/86			8		8
03/16/92			10		10

COLOR LABEL - GREEN CLASS NON-PCB

SDMYERS
THE TRANSFORMER CONSULTANTS

180 SOUTH AVENUE TALLMADGE, OHIO 44278 **TC#** 90
ID#- 3585000 DATE PRINTED 8/16/93

CUST-PARAMAX (A UNISYS COMPANY CITY- GREAT NECK, NY LOCATION-
SUB NAME- BANK 2 UNIT# -REGULATOR OTHER -

NAMEPLATE DATA

MFG- AC
DATE MFG -
S/N- 1-2116-12671-1
KVA- 500
PRI- 2,400
SEC-
WEIGHT- 30435

EQUIP TYPE - REGULATOR
TRANS CLASS - OA
IMPEDENCE - 5.00%
PHASE/CYCLE - 3/60
LIQUID TYPE - OIL
GAL LIQUID - 1195
OTHER ACCESS -

ADDITIONAL EQUIPMENT

RADIATORS - YES
FANS - NO
H2O COOLED - NO
OIL PUMPS - NO
TOP FPV - 1.00 IN VALV
BOTTOM FPV - 1.00 IN VALV

CONSERVATOR- NO
LTC COMPARTMENT- YES
BUSHING LOC- TOP
FREE BREATHER- NO
HOSE LENGTH- 100 FEET
SERVICE ON-LINE- YES
POWER AVAILABLE- YES

VISUAL INSPECTION

DATE	LEVEL	TEMP	P/V	PAINT	LEAKS
07/20/87	NORMAL	35	N.R.	GOOD	NONE
07/06/88	NORMAL	35	N.R.	GOOD	NONE
07/31/90	NORMAL	35	N.R.	GOOD	NONE
03/16/92	NORMAL	11	N.R.	GOOD	NONE
07/20/93	NORMAL	28	N.R.	GOOD	NONE

FIELD SERVICE

DATE	SERVICE
11/86	RE-REFINE
08/92	NEW HOT OIL 6

LIQUID SCREEN TEST DATA

DATE	SERVICE	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
02/06/86		.240 UN	19.8 UN	42 AC	2.00 AC	.890 AC	CLEAR AC	NONE AC
11/03/86	PROOF	.020 AC	36.7 AC	49 AC	2.00 AC	.890 AC	CLEAR AC	NONE AC
07/20/87		.030 AC	33.1 AC	47 AC	2.00 AC	.890 AC	CLEAR AC	NONE AC
07/06/88		.040 AC	30.8 QU	32 AC	2.00 AC	.890 AC	CLEAR AC	NONE AC
07/31/90		.050 AC	30.0 QU	38 AC	2.00 AC	.885 AC	CLEAR AC	NONE AC
03/16/92		.050 AC	30.2 QU	38 AC	2.00 AC	.890 AC	CLEAR AC	NONE AC
08/03/92	PROOF	.020 AC	40.0 AC	43 AC	2.00 AC	.880 AC	CLEAR AC	NONE AC
07/20/93		.030 AC	33.8 AC	48 AC	2.00 AC	.880 AC	CLEAR AC	NONE AC

COMMENTS

INHIBITOR CONTENT

DATE	% BY WEIGHT
07/31/90	.151 % QU
03/16/92	.156 % QU
07/20/93	.405 % AC

NOTE - STUDIES SHOW THAT A LEVEL OF .3% INHIBITOR IS OPTIMUM FOR PRESERVATION OF IN-SERVICE TRANSFORMER OILS. OILS WITH A LEVEL BELOW .08% ARE CONSIDERED TO BE UNINHIBITED.

LIQUID POWER FACTOR

DATE	25 C		100 C	
07/06/88	.025%	AC	.920%	AC
07/31/90	.040%	AC	.490%	AC
03/16/92	.044%	AC	.810%	AC
08/03/92	.013%	AC	.520%	AC
07/20/93	.032%	AC	.760%	AC

THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A A VERY MEANINGFUL TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

KEY TO ABBREVIATIONS: AC — ACCEPTABLE QU — QUESTIONABLE UN — UNACCEPTABLE

SDMYERS
THE TRANSFORMER CONSULTANTS

180 SOUTH AVENUE TALLMADGE, OHIO 44278 TC# 90

CUST-PARAMAX (A UNISYS COMPANY				ID#- 3585000	DATE PRINTED	8/16/93
MFG- AC	KVA- 500	PRIMARY- 2,400	SUB NAME- BANK 2		UNIT #-REGULATOR	
S/N- 1-2116-12671-1	GAL- 1,195	SECONDARY-	LOCATION-			

KARL FISCHER TESTING MOISTURE CONTENT EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	PPM	PERCENT SATURATION	PERCENT /DRY WEIGHT	AGING FACTOR	GRADE
07/20/87		30C	44	N/A	N/A	N/A	UN
07/06/88		30C	35	N/A	N/A	N/A	UN
07/31/90		20C	33	N/A	N/A	N/A	QU
03/16/92		09C	13	N/A	N/A	N/A	AC
08/03/92	PROOF	N/A	12	N/A	N/A	N/A	AC
07/20/93		19C	20	N/A	N/A	N/A	AC

GAS-IN-OIL ANALYSIS GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
12/21/83	ND	24111	57856	ND	ND	533	ND	ND	ND	ND	82500
02/05/85	ND	26820	61101	TRACE	TRACE	454	ND	ND	ND	TRACE	88375
2/06/86	ND	25341	54002	ND	ND	407	ND	ND	ND	ND	79750
7/20/87	ND	22576	64971	TRACE	5	447	ND	ND	ND	5	87999
07/06/88	ND	29536	66135	ND	12	565	ND	ND	1	13	96249
07/31/90	40	27485	57110	1	28	583	1	1	1	72	85250
03/16/92	ND	26423	55387	1	16	673	ND	1	ND	18	82501
07/20/93	TRACE	27088	60069	1	49	788	TRACE	1	4	55	88000

RECOMMENDATION	* COMMENTS
RETEST 1 YEAR	* B-THE ANALYSIS OF THIS SAMPLE SHOWS NO SIGNIFICANT INCREASE IN THE COMBUSTIBLE GAS VOLUME.
	*
	*
	*

ICP METALS-IN-OIL EXPRESSED IN PPM

DATE	ALUMINUM	IRON	ZINC	COPPER
07/06/88	ND	ND	.030	.040
07/31/90	ND	ND	ND	ND
03/16/92	ND	ND	ND	ND
07/20/93	ND	ND	ND	ND

RECOMMENDATION	* COMMENTS
RETEST 1 YEAR	* THERE IS NO SIGNIFICANT CHANGE IN THE TEST DATA. THEREFORE, THE DATA DOES NOT SUGGEST A CAUSE FOR CONCERN AT THIS TIME.

PCB CONTENT EXPRESSED IN PPM

DATE	1242	1254	1260	OTHER	TOTAL
10/10/86			8		8
03/16/92			11		11

COLOR LABEL - GREEN CLASS NON-PCB

SDMYERS
THE TRANSFORMER CONSULTANTS
180 SOUTH AVENUE TALLMADGE, OHIO 44278

TC# 91
ID#- 3585000
DATE PRINTED 8/16/93

CUST-PARAMAX (A UNISYS COMPANY CITY- GREAT NECK, NY
LOCATION- OUTDOOR/GROUND
SUB NAME- T.C. FOR TC#2 UNIT# -BANK 1
OTHER -

NAMEPLATE DATA

MFG- AC
DATE MFG -
S/N-
KVA-
PRI-
SEC-
WEIGHT-

EQUIP TYPE - TAP CHANGER
TRANS CLASS - OA
IMPEDENCE -
PHASE/CYCLE -
LIQUID TYPE - OIL
GAL LIQUID - 200
OTHER ACCESS -

ADDITIONAL EQUIPMENT

RADIATORS - NO
FANS - NO
H2O COOLED - NO
OIL PUMPS - NO
TOP FPV - 1.00 IN
BOTTOM FPV - 1.00 IN

CONSERVATOR- NO
LTC COMPARTMENT- NO
BUSHING LOC- TOP
FREE BREATHER-
HOSE LENGTH- 100 FEET
SERVICE ON-LINE-
POWER AVAILABLE-

VISUAL INSPECTION

DATE	LEVEL	TEMP	P/V	PAINT	LEAKS
07/06/88			N.R.	GOOD	NONE
07/31/90			N.R.	GOOD	NONE
03/16/92			N.R.	GOOD	NONE
07/20/93			N.R.	GOOD	NONE

FIELD SERVICE

DATE	SERVICE

LIQUID SCREEN TEST DATA

DATE	SERVICE	ACID		IFT		DIEL		COLOR		SP. GR.		VISUAL		SEDIMENT	
07/06/88		.140	AC	17.8	UN	32	AC	2.50	AC	.890	AC	CLEAR	AC	NONE	AC
07/31/90		.160	AC	17.0	UN	34	AC	3.00	AC	.890	AC	CLEAR	AC	NONE	AC
03/16/92		.160	AC	16.8	UN	42	AC	3.00	AC	.890	AC	CLEAR	AC	NONE	AC
07/20/93		.180	AC	18.0	AC	50	AC	3.00	AC	.890	AC	CLEAR	AC	NONE	AC

COMMENTS

INHIBITOR CONTENT

DATE	% BY WEIGHT	
03/16/92	ND	UN
07/20/93	ND	UN

NOTE - THE INHIBITOR CONTENT TEST IS USEFUL TO PREDICT THE AGING OF THE TRANSFORMER'S PAPER INSULATION SYSTEM.

LIQUID POWER FACTOR

DATE	25 C		100 C	
07/06/88	.148%	QU	5.500%	UN
03/16/92	.074%	AC	1.410%	AC
07/20/93	.054%	AC	2.360%	AC

THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A A VERY MEANINGFUL TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

KEY TO ABBREVIATIONS: AC — ACCEPTABLE QU — QUESTIONABLE UN — UNACCEPTABLE

SDMYERS
THE TRANSFORMER CONSULTANTS
180 SOUTH AVENUE TALLMADGE, OHIO 44278

TC# 91

CUST-PARAMAX (A UNISYS COMPANY
ID#- 3585000
DATE PRINTED 8/16/93
MFG- AC
KVA-
PRIMARY-
SUB NAME- T.C. FOR TC#2
UNIT #-BANK 1
S/N-
GAL- 200
SECONDARY-
LOCATION- OUTDOOR/GROUND

KARL FISCHER TESTING MOISTURE CONTENT EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	PPM	PERCENT SATURATION	PERCENT / DRY WEIGHT	AGING FACTOR	GRADE
07/06/88		25C	34	N/A	N/A	N/A	AC
03/16/92		25E	15	N/A	N/A	N/A	AC
07/20/93		25E	33	N/A	N/A	N/A	AC

GAS-IN-OIL ANALYSIS GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
07/02/86	32	26122	61209	TRACE	22	611	TRACE	TRACE	3	57	87999
07/06/88	16	25878	64223	2	43	583	ND	ND	6	67	90751
03/16/92	38	25889	55834	2	18	717	1	1	ND	60	82500
7/20/93	193	20258	58172	7	86	1017	2	4	12	304	79751

RECOMMENDATION	* COMMENTS
RETEST 1 YEAR	* YN - ALTHOUGH NO SIGNIFICANT INCREASE IN THE COMBUSTIBLE GAS CONTENT WAS NOTED, WE SUGGEST CLOSELY MONITORING * THIS UNIT WITH DISSOLVED GAS ANALYSIS BECAUSE OF ITS SUSPECT HISTORY * *

ICP METALS-IN-OIL EXPRESSED IN PPM

DATE	ALUMINUM	IRON	ZINC	COPPER
07/06/88	ND	.090	.440	.130
03/16/92	ND	ND	ND	ND
07/20/93	ND	ND	.056	.094

RECOMMENDATION	* COMMENTS
RETEST 1 YEAR	* THERE IS NO SIGNIFICANT CHANGE IN THE TEST DATA. THEREFORE, THE DATA DOES NOT SUGGEST A CAUSE FOR CONCERN AT THIS TIME.

PCB CONTENT EXPRESSED IN PPM

DATE	1242	1254	1260	OTHER	TOTAL

ACTS 4 12
SDMYERS

180 SOUTH AVE, AKRON, OH 44278

TEST SURVEY RECAP

CUST# 35850000 PARAMAX (A UNISYS COMPANY GREAT NECK, NY 8/24/93

TC#	SUBSTATION NAME	SIZE KVA	GALLONS	LIQUID TYPE	PCB CLASS	PCB DATE	LST	GC	KF	ICP	PF	IH	SERVICE PRODUCT
1	MAIN	7500	2720	OIL	NON-PCB	10/10/86	AC	AC	QU	AC	AC	AC	RETEST ONE YEAR
2	MAIN SUB	7500	2717	OIL	NON-PCB	5/14/86	AC	AC	AC	AC	AC	AC	ACCEPTABLE DATA-RETEST 1 YEAR
3	MAIN SUB	7500	2740	OIL	NON-PCB	10/10/86	AC	QU	QU	AC	AC	AC	SEE GC DATA/RETEST 6 MONTHS
4	MAIN SUB	7500	2740	OIL	NON-PCB	3/16/92	AC	QU	AC	AC	AC	AC	SEE GC DATA/RETEST 3 MONTHS
89	BANK 3	500	1195	OIL	NON-PCB	3/16/92	AC	AC	AC	AC	AC	AC	ACCEPTABLE DATA-RETEST 1 YEAR
90	BANK 2	500	1195	OIL	NON-PCB	3/16/92	AC	AC	AC	AC	AC	AC	ACCEPTABLE DATA-RETEST 1 YEAR
91	T.C. FOR TC#2		200	OIL	NO DATA		AC	QU	AC	AC	AC	UN	RETEST ONE YEAR

ACTS 412
SDMYERS

CUST# 35850000 PARAMAX (A UNISYS COMPANY GREAT NECK, NY 8/24/93

* SUMMARY OF RESULTS *

NOTE: EPA # CFR40-761 states that any transformer not tested for pcb content ----> must be considered contaminated (50-500ppm)

TOTAL GALLONS OF LIQUID	13507
TOTAL UNITS NON-PCB	6
TOTAL W/O SDMI PCB TEST	1
TOTAL UNITS CONTAMINATED	0
TOTAL UNITS PCB	0
TOTAL REQUIRING PCB TEST	1
TOTAL REQUIRING SERVICE	6
TOTAL KVA	31000
ESTIMATED VALUE OF UNITS	682,000.00

The national average cost of annual transformer maintenance is 6 pct of transformer investment. (EPRI JOURNAL, MARCH, 1986). Based on the above estimated value of units, average annual maintenance for these units would be $40,920.00

A number of your transformers require service. If you did not receive a quotation with these test reports, please call our AKRON office for a comprehensive study and proposal to solve these various problems.

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE
DWN BY FDG
DES BY CBA
CHK BY
APP BY

emcon

LOCKHEED MARTIN–TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

MAIN MANUFACTURING BUILDING - 1st FLOOR
ENVIRONMENTAL SAMPLE LOCATIONS

FIGURE NO.
61

PROJECT NO.
86401-001.000

ENE-MTOWN2/DATA: N:\DWG\86401001\MALMF-01.dwg Xrefs: MALMMF01, MALMBD01 Scale: 1 = 1.00 DimScale: 1 = 1.00 Date: 11/5/97 Time: 12:31 PM Operator: AKINOSIA

1" 1/2" 0" 1"

ENE-MTOWN2/DATA: N:\DWG\86401001\MALMF-02.dwg Xrefs: MALMMF01, MALMBD01 Scale: 1 = 1.00 DimScale: 1 = 50.00 Date: 11/5/97 Time: 1:16 PM Operator: AKINOSIA

0 50 100
SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE DWN BY FDG CHK BY
DES BY CBA APP BY

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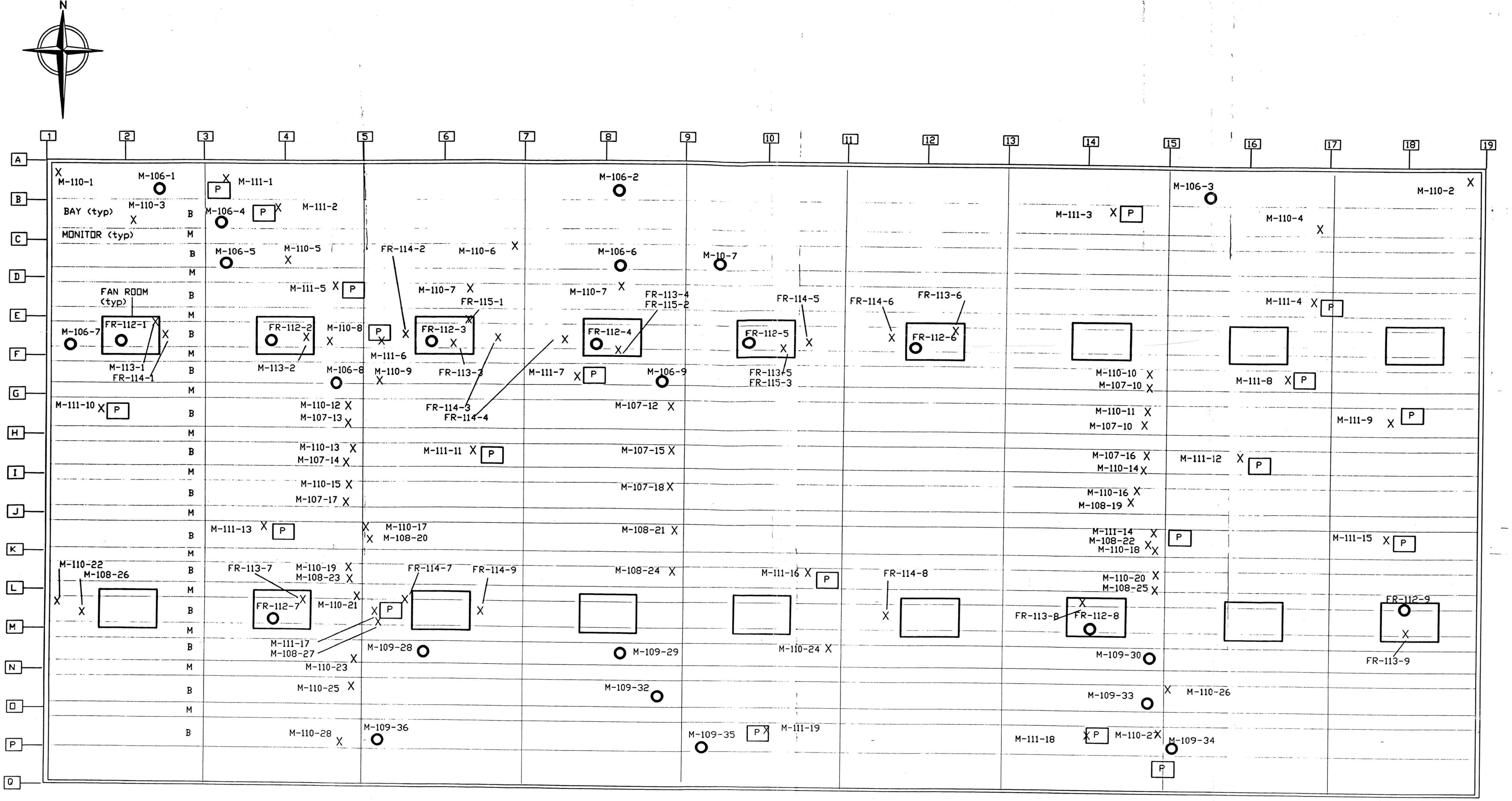
LOCKHEED MARTIN–TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

MAIN MANUFACTURING BUILDING- 1st FLOOR
WOOD BLOCK SAMPLE LOCATIONS

FIGURE NO.
66
PROJECT NO.
86401-001.000



0 80 160

SCALE IN FEET

LEGEND:

X-POSITIVE

O-NEGATIVE

P-PATCHED AREA

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE
DWN BY
DES BY
CHK BY
APP BY

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LOCKHEED MARTIN–TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

MAIN MANUFACTURING ROOF
ASBESTOS SAMPLING LOCATIONS

FIGURE NO.
14

PROJECT NO.
86401-001.000

WINDOW CAULKING THROUGHOUT IS ACM

JOINT COMPOUND THROUGHOUT IS ACM

LEGEND

- ▨ FLOOR TILE & MASTIC
- ■ MASTIC ONLY
- — PIPE INSULATION
- ■ TANK AND EQUIPMENT INSULATION
- ▦ TRANSITE

0 80 160

SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE

DWN BY

DES BY

CHK BY

APP BY

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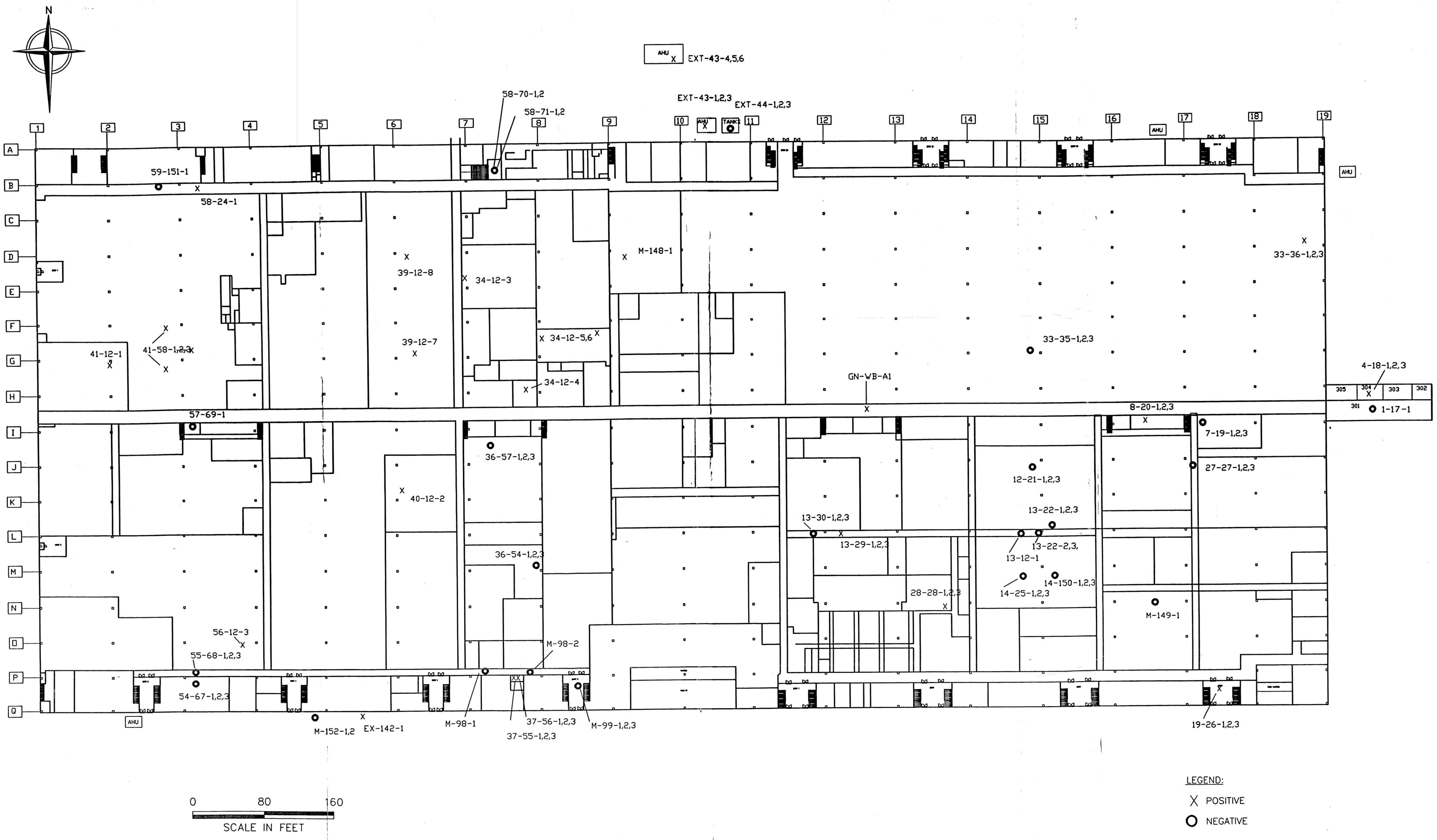
LOCKHEED MARTIN–TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

MANUFACTURING GROUND FLOOR
ACM LOCATIONS

FIGURE NO.
38

PROJECT NO.
86401–001.000



REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE
DWN BY
DES BY
CHK BY
APP BY

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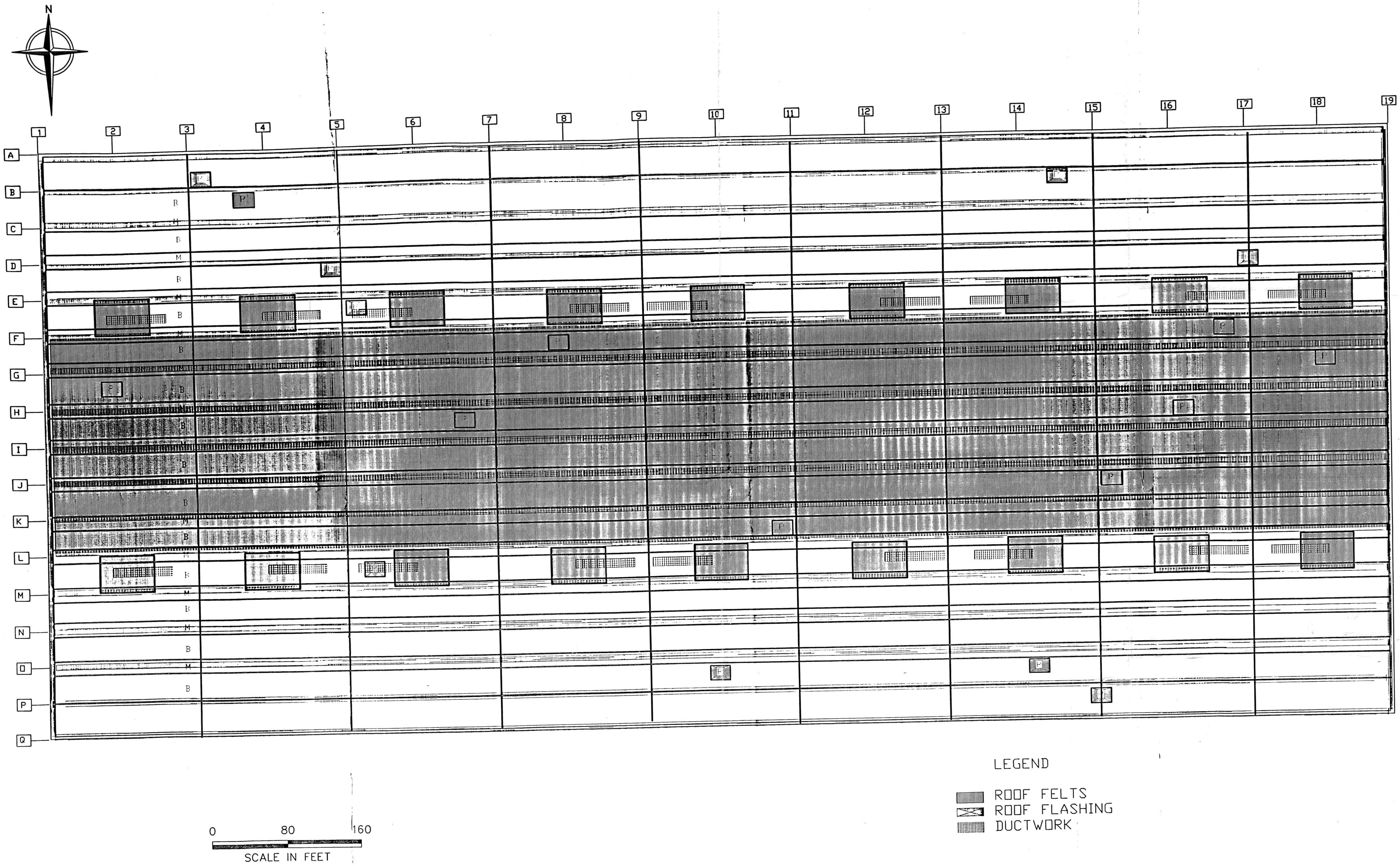
LOCKHEED MARTIN-TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

MAIN MANUFACTURING BUILDING – GROUND
FLOOR
ASBESTOS SAMPLING LOCATIONS

FIGURE NO.
12

PROJECT NO.
86401-001.000



LEGEND

▨ ROOF FELTS
☒ ROOF FLASHING
▥ DUCTWORK

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE
DWN BY
DES BY
CHK BY
APP BY

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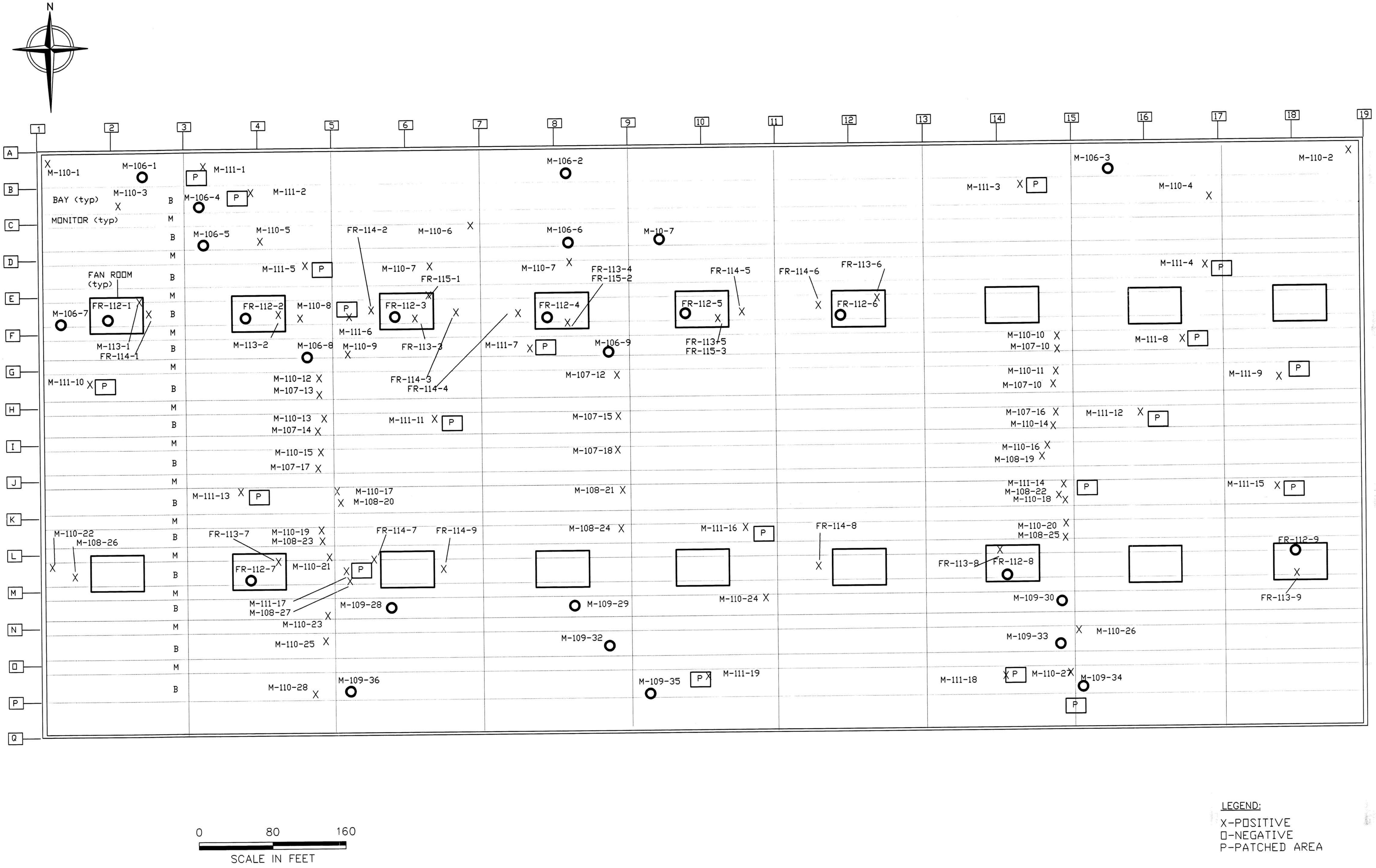
LOCKHEED MARTIN–TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

MAIN MANUFACTURING ROOF
ACM LOCATIONS

FIGURE NO.
40

PROJECT NO.
86401-001.00



REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE DWN BY DES BY CHK BY APP BY

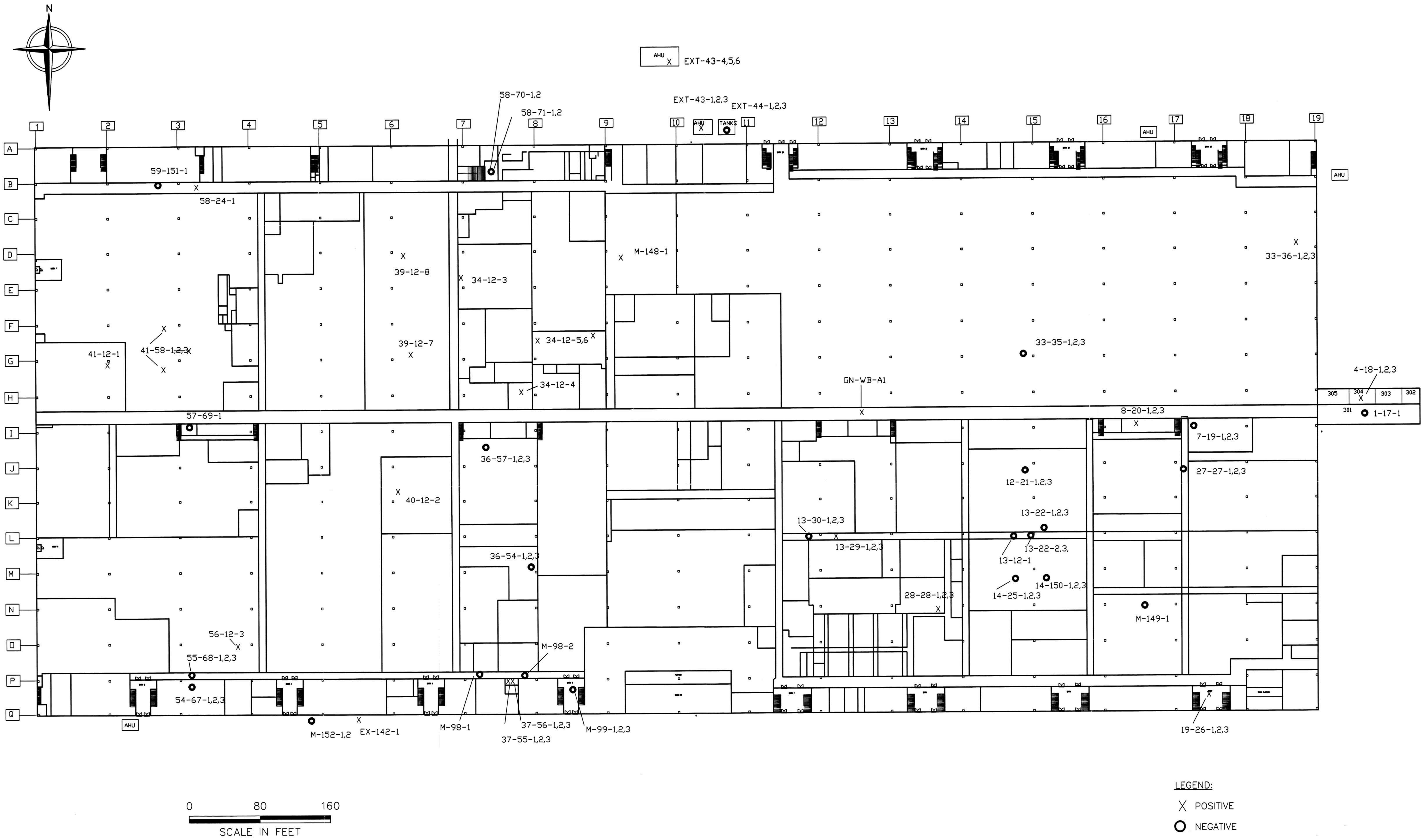
EMCON

LOCKHEED MARTIN–TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

MAIN MANUFACTURING ROOF
ASBESTOS SAMPLING LOCATIONS

FIGURE NO.
14

PROJECT NO.
86401-001.000



REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE DWN BY ____ DES BY ____ CHK BY ____ APP BY ____

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LOCKHEED MARTIN–TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

MAIN MANUFACTURING BUILDING – GROUND FLOOR
ASBESTOS SAMPLING LOCATIONS

FIGURE NO.
12

PROJECT NO.
86401-001.000

0 50 100
SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE ______
DWN BY FDG
DES BY CBA
CHK BY ______
APP BY ______

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LOCKHEED MARTIN–TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

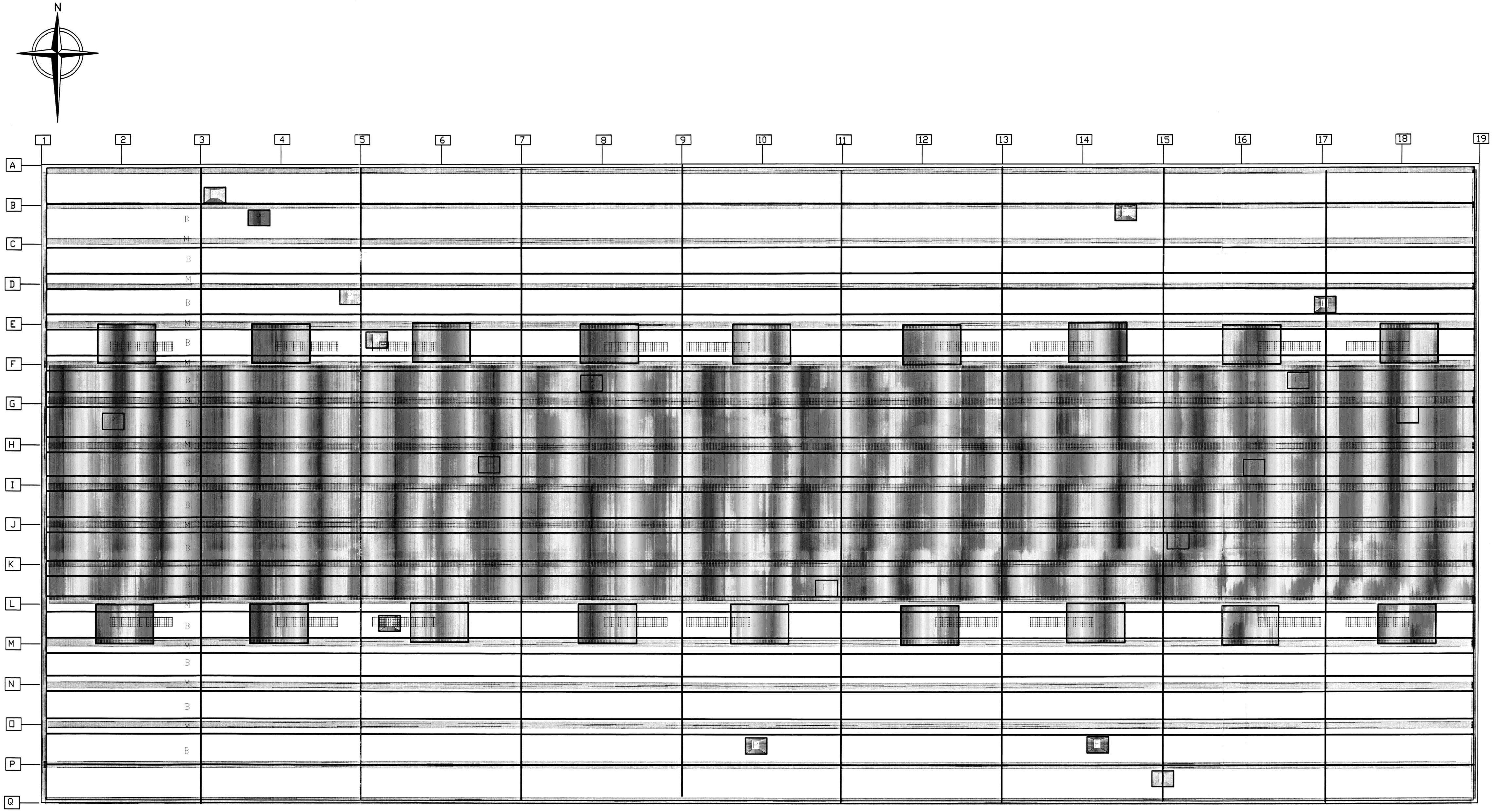
MAIN MANUFACTURING BUILDING - 1st FLOOR
ENVIRONMENTAL SAMPLE LOCATIONS

FIGURE NO.
61

PROJECT NO.
86401-001.000

1" 1/2" 0" 1"

ENE-MTOWN2/DATA: N:\DWG\86401001\MALMF-01.dwg Xrefs: MALMMF01, MALMBD01 Scale: 1 = 1.00 DimScale: 1 = 1.00 Date: 11/5/97 Time: 12:31 PM Operator: AKINOSIA



LEGEND

▨ ROOF FELTS

☒ ROOF FLASHING

▥ DUCTWORK

0 80 160

SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE DWN BY ______ CHK BY ______

DES BY ______ APP BY ______

emcon

LOCKHEED MARTIN–TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

MAIN MANUFACTURING ROOF
ACM LOCATIONS

FIGURE NO.
40

PROJECT NO.
86401-001.000

WINDOW CAULKING THROUGHOUT IS ACM

JOINT COMPOUND THROUGHOUT IS ACM

LEGEND

▨ FLOOR TILE & MASTIC
■ MASTIC ONLY
— PIPE INSULATION
■ TANK AND EQUIPMENT INSULATION
▦ TRANSITE

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE
DWN BY
DES BY
CHK BY
APP BY

EMCON

LOCKHEED MARTIN–TACTICAL DEFENSE SYSTEMS
GREAT NECK, NEW YORK

MANUFACTURING GROUND FLOOR
ACM LOCATIONS

FIGURE NO.
38

PROJECT NO.
86401-001.000