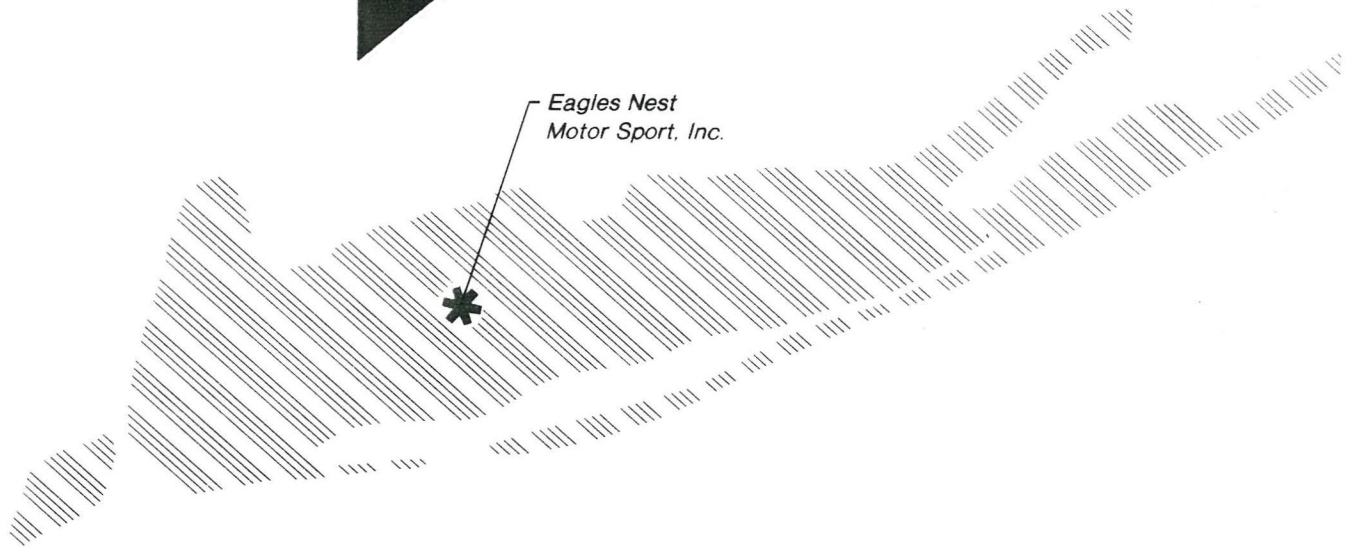
GRUMMAN AEROSPACE CORPORATION



CLOSURE REPORT FOR A CLASS V/TYPE 5X28 DRY WELL

EAGLES NEST MOTOR SPORT, INC.
BETHPAGE, NEW YORK

Dvirka and Bartilucci
Consulting Engineers

DECEMBER 1993

CLOSURE REPORT
FOR A
CLASS V/TYPE 5X28 DRY WELL
LOCATED AT THE
EAGLES NEST MOTOR SPORT, INC.
AUTOMOBILE REPAIR FACILITY

PREPARED FOR:

GRUMMAN AEROSPACE CORPORATION
BETHPAGE, NEW YORK

PREPARED BY:

DVIRKA AND BARTILUCCI CONSULTING ENGINEERS
6800 JERICHO TURNPIKE
SYOSSET, NEW YORK 11791

DECEMBER 1993

CLOSURE REPORT
FOR A
CLASS V/TYPE 5X28 DRY WELL
LOCATED AT THE
EAGLES NEST MOTOR SPORT, INC.
AUTOMOBILE REPAIR FACILITY

TABLE OF CONTENTS

1.0 BACKGROUND

The purpose of this report is to document the field activities associated with the closure of a Class V/Type 5X28 dry well. The dry well was located at the Eagles Nest Motor Sport, Inc. automobile repair facility located at 500 Central Avenue in Bethpage, Nassau County, New York. The property on which the facility is located is owned by Grumman Aerospace Corporation and leased by Eagles Nest Motor Sport, Inc. A site location map and facility plan are provided in the closure plan located in Appendix 1.

Grumman Aerospace Corporation (GAC) and the Nassau County Department of Health (NCDH) became aware of the potential applicability of the UIC regulations to the dry well while planning and designing the connection of the facility sanitary lines to the Nassau County Sewer. Based on this information, NCDH corresponded with the United States Environmental Protection Agency (EPA) recommending that a notice of violation and request for permit application be issued by the EPA regarding the dry well. On June 2, 1993 the EPA sent a Class V UIC Permit Application / Closure Request to Grumman Aerospace Corporation which recommended closure of the dry well. A copy of this letter is provided in Appendix 2. On July 2, 1993 Grumman Aerospace Corporation submitted a Closure Plan to the EPA and NCDH for review and approval prior to implementation. On July 13, 1993 Grumman Aerospace Corporation received EPA approval of the closure plan and permission to proceed with the closure activities. A copy of the July 13, 1993 correspondence from the EPA is provided as Appendix 3.

2.0 CLOSURE ACTIVITIES

Field activities regarding the closure of the dry well initiated on August 16, 1993. On this date, the floor drain, slop sink, and distribution pit were cleaned utilizing a high pressure steam cleaner and Citrikleen degreaser, a biodegradable, water soluble solvent cleaner and degreaser. The rinsewater generated from the cleaning operation was conveyed to the dry well through the drainage lines. Next, the liquid in the dry well was removed from the dry well utilizing a vacuum truck. Based on previous analytical results that are provided in the Closure Plan located in Appendix 1, this material was classified as a hazardous waste and was transported to United Industrial Services located in Meriden, Connecticut for disposal. A copy of the hazardous waste manifest for this shipment is provided in Appendix 4.

Once the liquid that was contained in the dry well was removed, a sample of the bottom sludge in the dry well was collected utilizing a hand auger. This sample was analyzed utilizing the Toxicity Characteristic Leaching Procedure (TCLP). Results of this analysis did not indicate the presence of any TCLP constituents that exceeded the regulatory limit. The results of the bottom sludge analysis is provided in Appendix 5. At this time, closure activities were suspended in order to allow for the sanitary lines from the facility to be connected to the Nassau County Sewer.

On September 9, 1993 a inspection of the site was conducted. Although the sewer connection was completed and the distribution pit filled with sand and cement, the dry well was partially filled with water that was entering the unit through the discharge line. Further inspection of the discharge line revealed that this line had been cracked during excavation related to the sewer connection. This crack allowed precipitation and air conditioning condensation to percolate through the soil, enter the discharge line and be

conveyed into the dry well. The closure activities were again suspended until this line could be sealed. This line was sealed during the week of September 13, 1993.

On September 20, 1993 closure activities were resumed. The liquid that had accumulated in the dry well was removed utilizing a vacuum truck and was transported to United Industrial Services for disposal. A copy of the hazardous waste manifest for this shipment is provided in Appendix 6.

Once the liquid was removed, the bottom sludge was removed from the dry well utilizing a high pressure vacuum truck and placed in 55-gallon drums. As discussed above, the analytical results for the bottom sludge did not indicate the presence of TCLP constituents and the drums were therefore classified as a non-hazardous waste. These drums were transported to Chemical Pollution Control located in Bay Shore, New York for disposal. Documentation of this shipment is provided in Appendix 7.

At this time, an end-point soil sample was obtained from the dry well utilizing a hand auger. Based on olfactory and visual inspection, the end point soil sample appeared to be visibly clean. This sample was split into two separate aliquots to allow for individual analysis by GAC and NCDH. The end point sample was analyzed for total petroleum hydrocarbons, total analysis of RCRA metals, volatile halogenated organic compounds and volatile aromatic compounds as specified by NCDH guidance. The results of this analysis did not indicate the presence of chemical constituents in excess of the NYSDEC recommended soil cleanup objectives. The results of the end point soil sample analysis preformed by GAC and the NCDH are provided in Appendix 8.

On October 12, 1993, the results of the analysis performed by GAC was submitted to NCDH and the USEPA and a request made to proceed with backfilling the dry well with clean bank run sand and

to seal it with concrete to the existing grade. On September 18, 1993, Grumman received written concurrence from the EPA that the closure activities could proceed. Documentation of the USEPA concurrence is provided in Appendix 9.

On November 10 and 11, 1993 the dry well was backfilled with clean bank run sand to a level of approximately four inches below grade. The dry well was than filled with cement to a level just below the supports for the manhole cover. The manhole cover was than replaced completing the closure activities. Documentation of the completion of the drywell closure is provided in Appendix 10.

APPENDIX 1
Closure Plan

CLOSURE PLAN
FOR A
CLASS V/TYPE 5X28 DRY WELL
LOCATED AT THE
EAGLES NEST MOTOR SPORT, INC.
AUTOMOBILE REPAIR FACILITY

PREPARED FOR:

GRUMMAN AEROSPACE CORPORATION
BETHPAGE, NEW YORK

PREPARED BY:

DVIRKA AND BARTILUCCI CONSULTING ENGINEERS
6800 JERICHO TURNPIKE
SYOSSET, NEW YORK 11791

JULY 1993

EAGLES NEST MOTOR SPORT, INC.
AUTOMOBILE REPAIR FACILITY
CLOSURE PLAN

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

1.0 INTRODUCTION

This document has been prepared to address the closure of a Class V/Type 5X28 dry well located at the Eagles Nest Motor Sport, Inc. automobile repair facility located in Bethpage, New York. The property on which the facility is located is owned by Grumman Aerospace Corporation and operated by Eagles Nest Motor Sport, Inc. Closure of the dry well at the facility is being undertaken pursuant to the Underground Injection Control (UIC) program administered by the Nassau County Department of Health (NCDH) and the United States Environmental Protection Agency (EPA) as mandated by Part C of the federal Safe Drinking Water Act. Regulations concerning the UIC program are contained at 40 CFR Parts 124, 144,145,146 and 147.

An injection well as defined under 40 CFR 144.3 is a well where fluids are injected into the ground. A "well" is defined as any bored, drilled or driven shaft, or a dug hole whose depth is greater than its largest surface dimension. According to federal regulations, injection wells are classified as either Class I, II, III, IV, or V depending on the intended use of the well. Class V wells with the code 5X28 are specifically defined as "Industrial/Commercial/Utility Disposal Wells for automobile service stations - repair bay drains to a disposal well."

In response to concerns regarding the utilization of this dry well at the Eagles Nest Motor Sport, Inc. facility, representatives of Grumman Aerospace Corporation and the NCDH undertook a preliminary investigation at the facility to determine the applicability of the UIC regulations. The purpose of this preliminary investigation was to determine the location, status and use of the dry well. Based on the results of this preliminary investigation, NCDH sent a letter to the EPA recommending that a notice of violation and request for permit application or closure plan be issued by the EPA regarding the dry well. In anticipation of an EPA request for permit or closure of the dry well, Grumman Aerospace Corporation has determined the appropriate procedures to be utilized in the closure of the dry well at the facility and have incorporated these procedures into a Closure Plan for agency review and approval prior to implementation.

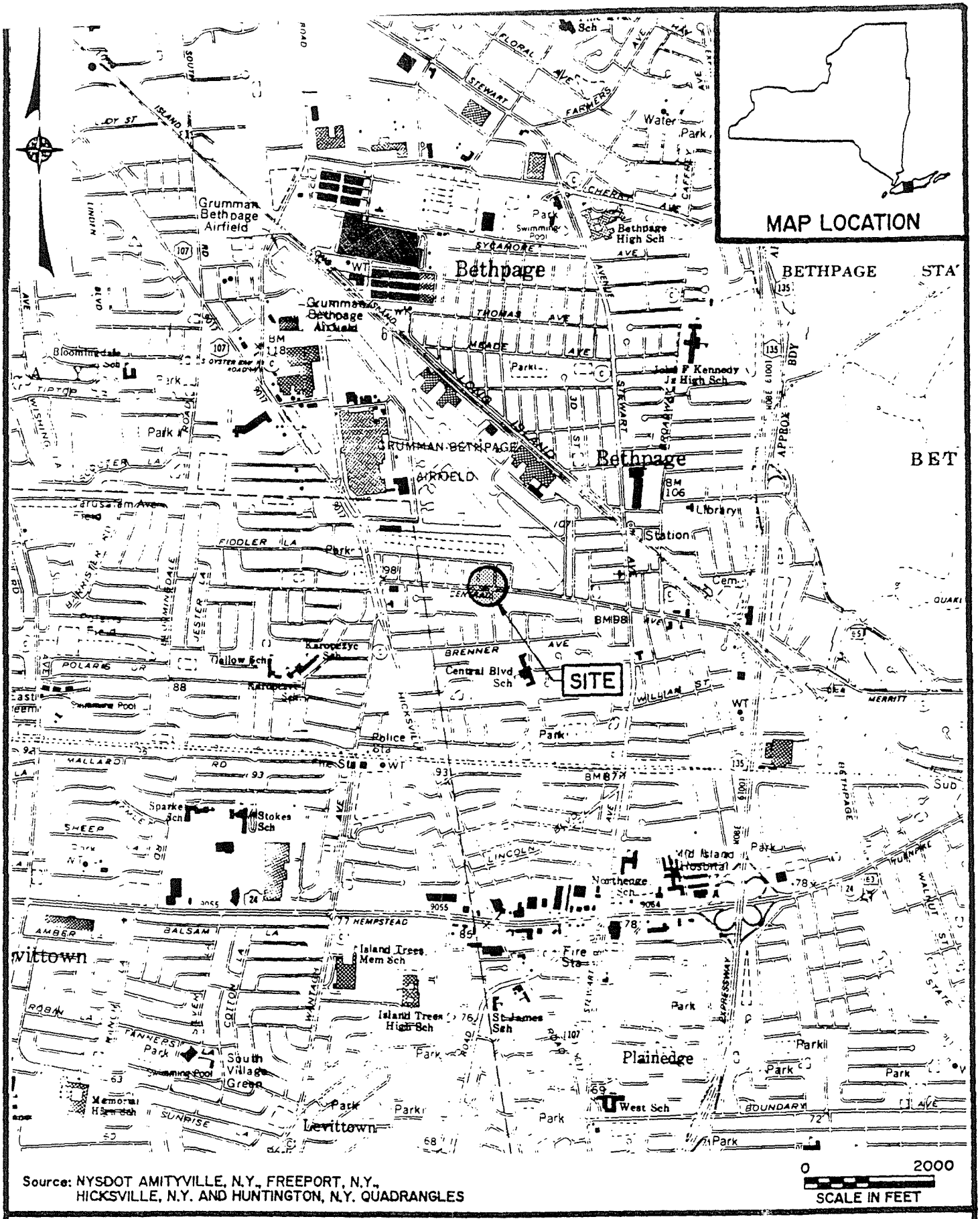
This report presents a closure plan for sealing the floor drain, slop sink and distribution pit that are believed to discharge to the dry well, along with the decommissioning of the type 5X28 dry well located at the Eagles Nest Motor Sport, Inc. automobile repair facility in accordance with applicable federal regulations.

2.0 SITE DESCRIPTION

The Eagles Nest Motor Sport, Inc. automobile repair facility is located at 500 Central Avenue at the northwestern corner of the intersection of Central Avenue and Scherer Street in the Town of Bethpage, Nassau County, New York. Figure 1 presents a detailed map indicating the location of the facility. The property is owned by Grumman Aerospace Corporation and has been occupied by Eagles Nest Motor Sport, Inc. since approximately 1969.

The facility consists of a one-story garage that includes mechanic bays, an auto part storage room, and an auto body painting and repair area. The facility also provides an outdoor storage area that is utilized to temporarily park cars awaiting repairs. Inside the mechanics bay is a floor drain, slop sink and distribution pit that are believed to discharge to a dry well located beneath the outdoor storage area. In addition, the sanitary waste line from the facility bathroom discharges to the dry well. A facility plan indicated the major site features is provided in Figure 2.

Based on discussion with representatives of Grumman Aerospace Corporation, the facility was constructed in approximately 1961 and was utilized as a vehicle maintenance garage by Grumman until approximately 1969. Eagles Nest Motor Sport, Inc. has operated the facility from 1969 until the present time although ownership of Eagles Nest Sport, Inc. was transferred to the current ownership in approximately 1989. Information regarding the construction of the dry well is not available. However, based on the results of the preliminary investigation discussed above, the structure appears to be a typical precast concrete dry well as presented in Figure 3. There is also limited information regarding the type and quantity of material discharged to the dry well. Typically, the floor of the garage was washed utilizing a water hose and allowed to discharge to the dry well through the floor drain and distribution pit. It is not unreasonable to assume that material that has been discharged into the dry well could include automotive fluids such as motor oil, antifreeze, transmission fluid, gasoline and various solvents utilized to degrease engine parts. In approximately 1990, Eagles Nest Motor Sport, Inc. ceased discharging the floor washing rinsate into the floor drain. Currently, the floor to the garage is washed utilizing a mop once a week with approximately 3 gallons of wastewater generated. This wastewater is stored with waste antifreeze prior to proper disposal off-site. Based on information provided by Eagles Nest Motor Sport, Inc., the slop sink is utilized to wash employees' hands.

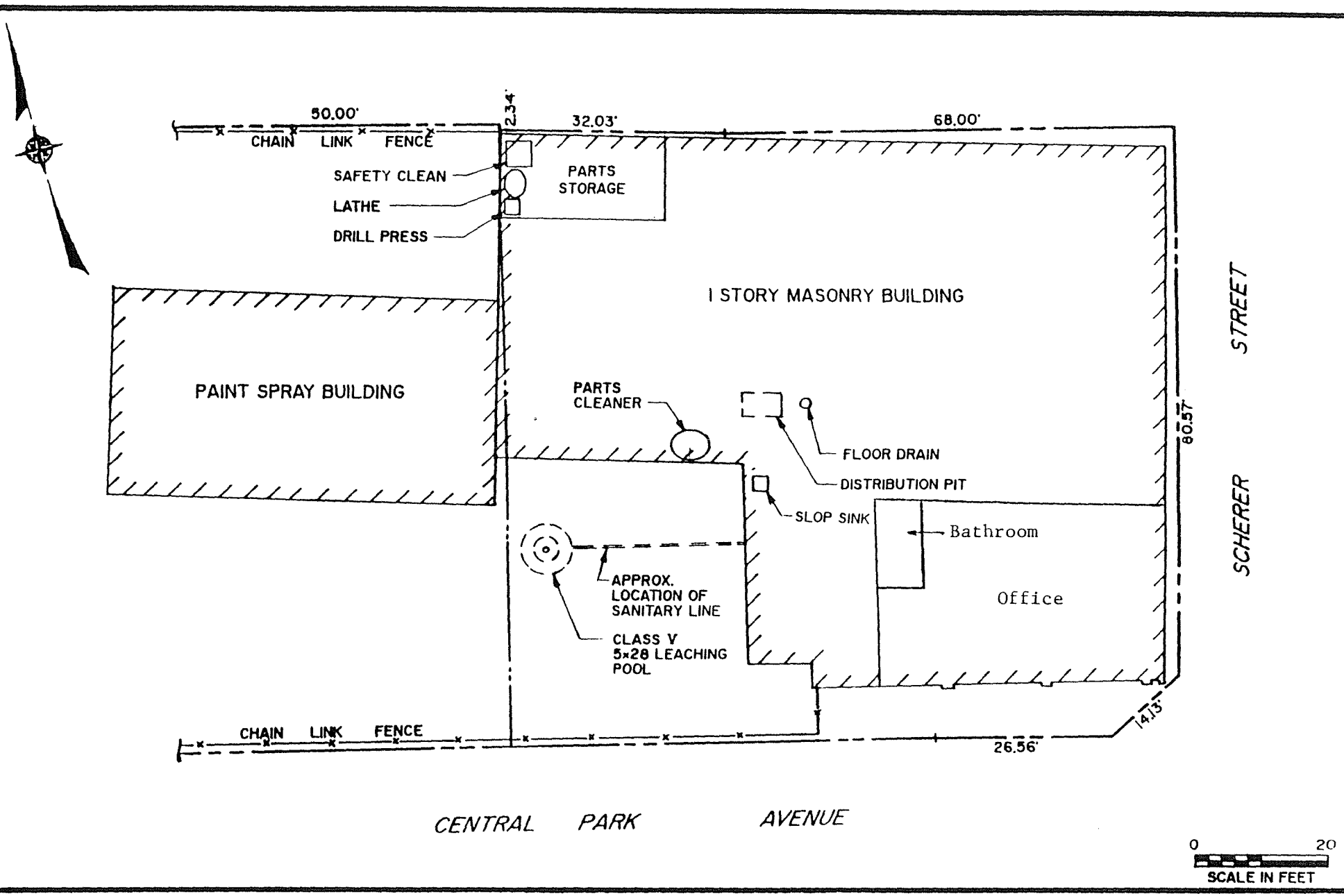


EAGLES NEST MOTOR SPORT, INC.
BETHPAGE, NEW YORK

Dvirka and Bartilucci CONSULTING ENGINEERS

SITE LOCATION MAP

FIGURE 1

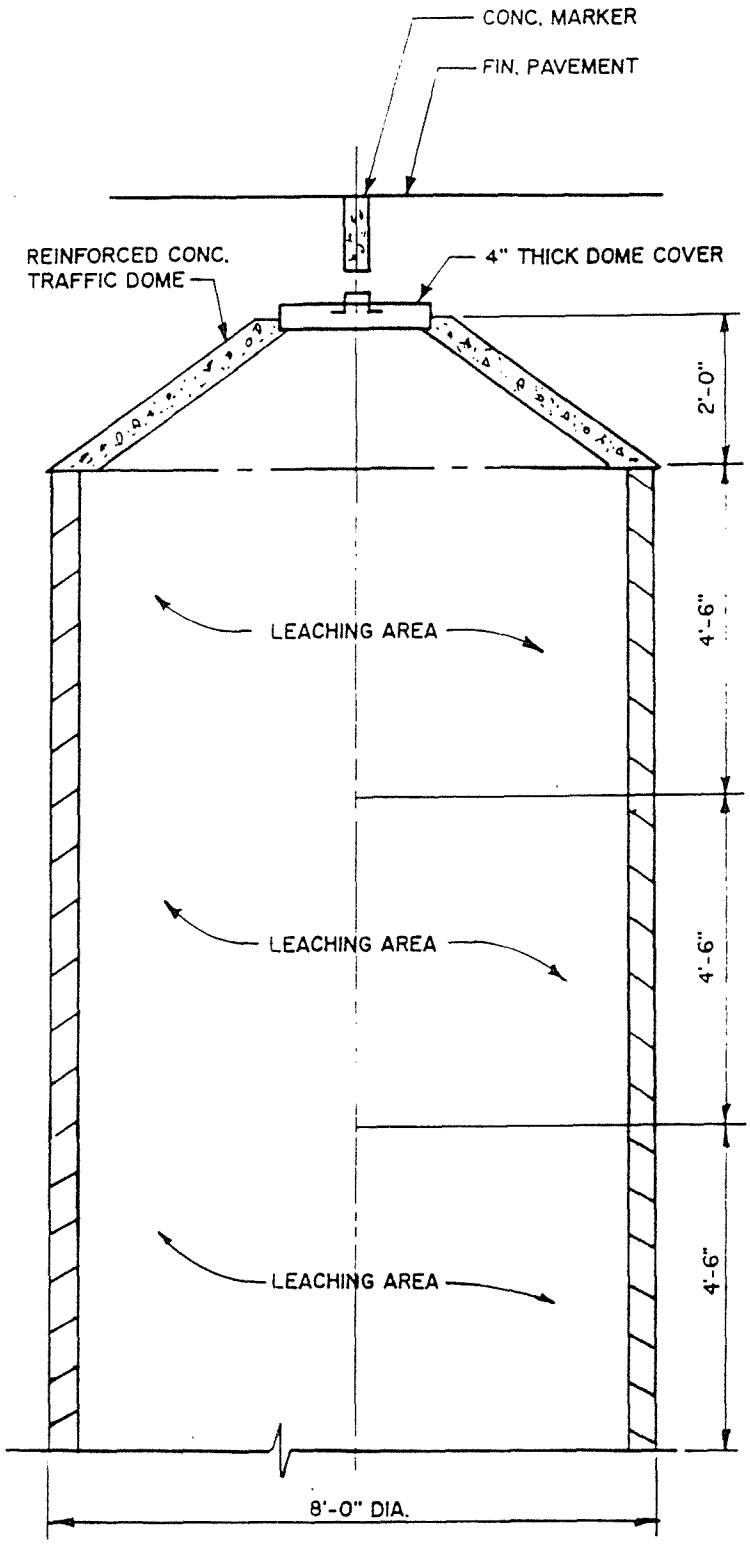


EAGLES NEST MOTOR SPORT, INC.
BETHPAGE, NEW YORK

SITE PLAN

Dvirka and Bartilucci CONSULTING ENGINEERS

FIGURE 2



EAGLES NEST MOTOR SPORT, INC.
BETHPAGE, NEW YORK

TYPICAL PRECAST DRY WELL

Dvirka and Bartilucci
CONSULTING ENGINEERS

FIGURE 3

The facility also utilizes a "Safety Kleen" parts washer to clean small engine parts. After manually washing parts, the residual solvent is returned directly to the same 30-gallon drum. When the solvent is "spent" (i.e., no longer usable for parts cleaning) the drum is removed from the facility by Safety Kleen for proper off-site reclamation or disposal.

The Eagles Nest Motor Sport, Inc. facility employs one part time and four full-time workers. Based on an estimated daily generation rate of 25 gallons of sanitary wastewater per worker, the flow rate to the dry well has been calculated to be approximately 125 gallons per day.

In order to properly manage sanitary wastewater at the facility, a permit to construct a connection to the municipal sanitary line has been issued by the NCHD. The construction of this connection will precede the implementation of this closure plan.

On February 26, 1993, a liquid sample from the dry well was collected and delivered to Ecotest Laboratories, Inc., a New York-certified laboratory. The sample was analyzed utilizing the Toxicity Characteristic Leaching Procedure (TCLP), excluding the test for pesticides and herbicides. The results of the sampling were reported by the laboratory on March 10, 1993 and are included as Exhibit A to this plan.

3.0 CLOSURE PROCEDURE

This section of the closure plan will provide the specific procedure to be utilized in order to decommission the dry well and associated floor drain and distribution pit. This closure procedure is in conformance with and contains the requirements of the NCDH floor drain and dry well closure procedures and EPA Class V service bay drain closure procedures. Based upon a review of the analytical results for the liquid sample obtained from the dry well, low concentrations of tetrachloroethene, trichloroethylene and benzene were detected in the sample. The concentration of benzene exceeded the TCLP regulatory level and required that this material be classified as a hazardous waste. It is recommended that the liquid material be pumped out of the dry well and properly disposed of as a hazardous waste by a permitted hazardous waste hauler. Once the liquid contained in the dry well has been removed, any sludge and contaminated soil observed in the dry well will be sampled and analyzed for proper disposal utilizing the TCLP, excluding the test for pesticides and herbicides. The material will also be tested for ignitability. The visibly clean soil that remains in the well after excavation and/or removal of any liquid, sludge or soil will be sampled and analyzed for volatile organic compounds utilizing EPA SW-846 Method 8240, a "total analysis" for metals and total petroleum hydrocarbons (TPH). Table 1 provides a summary of the monitoring parameters to be utilized during this closure operation. All sampling and analysis will be performed according to the quality assurance procedures outlined in Exhibit B of this document. The following steps are to be performed when closing the Type 5X28 dry well:

STEP 1 - The facility sanitary waste line will be connected to the municipal sanitary line.

STEP 2 - Perform an appropriate smoke, dye, flush or excavation test on the floor drain, slop sink and distribution pit in the garage and witness the point of discharge. The test will be performed in consultation with the United States Environmental Protection Agency (EPA) with oversight provided by a representative from the EPA and/or the Nassau County Department of Health (NCDH).

STEP 3 - Steam clean the floor drain, slop sink and distribution pit with a high-pressure washer, grout all discharge lines with an impervious bentonite/cement slurry and seal the floor drain with concrete to match the existing surface.

STEP 4 - Vacuum out any liquid in the distribution pit utilizing a permitted waste disposal truck. Abandon the distribution pit in place by backfilling with clean bank run sand and/or concrete and finish with concrete to match existing surface.

Table 1

EAGLES NEST MOTOR SPORT, INC.
SAMPLING PROGRAM SOIL AND SLUDGE
MONITORING PARAMETERS

Sample Location	Sample Type	Sample Matrix	Sample Fraction	Number of Samples	Frequency	Container Type/Size/No.	Sample Preservation	Maximum Holding Time	Analytical Method
5X28 Dry Well	Grab	Sludge	Toxicity Characteristic Leaching Procedure (TCLP) (excluding pesticides and herbicides)	1	1	Glass, amber/ 40 ml/4 250 ml/1	Cool to 4°C	10 days from VTSR until extraction 14 days after extraction	USEPA SW-846 Method 1311
	Grab	Sludge	Ignitability	1	1	Glass, clear/ 250 ml/1	Cool to 4°C	14 days after VTSR for analysis	USEPA SW-846 Method 1010
	Grab	Soil (Endpoint)	Volatile Organics	1	1	Glass, clear/ 40 ml/3	Cool to 4°C	14 days after VTSR for analysis	USEPA SW-846 Method 8240
	Grab	Soil (Endpoint)	Metals (Arsenic, Cadmium, Chromium, Lead)	1	1	Glass, clear/ 250 ml/1	Cool to 4°C	26 days after VTSR for analysis, 6 months after VTSR for analysis of others	USEPA TAL Metals Method 200.7*
	Grab	Soil (Endpoint)	Total Petroleum Hydrocarbons	1	1	Glass, clear/ 250 ml/1	Cool to 4°C	28 days after VTSR for analysis	USEPA Method 418.1
Site Study Area	Matrix Spike and Matrix Spike Duplicate	Sludge	Toxicity Characteristic Leaching Procedure (TCLP) (excluding pesticides and herbicides)	1	1	Glass, clear/ 250 ml/1	Cool to 4°C	10 days from VTSR until extraction 14 days after extraction	USEPA SW-846 Method 1311
	Matrix Spike and Matrix Spike Duplicate	Soil	Volatile Organics	1	1	Glass, clear/ 40 ml/3	Cool to 4°C	14 days after VTSR for analysis	USEPA SW-846 Method 8240

Table 1 (continued)

EAGLES NEST MOTOR SPORT, INC.
SAMPLING PROGRAM SOIL AND SLUDGE
MONITORING PARAMETERS

Sample Location	Sample Type	Sample Matrix	Sample Fraction	Number of Samples	Frequency	Container Type/Size/No.	Sample Preservation	Maximum Holding Time	Analytical Method
Site Study Area (continued)	Matrix Spike and Matrix Spike Duplicate	Soil	Metals (Arsenic, Cadmium, Chromium, Lead)	1	1	Glass, clear/ 250 ml/1	Cool to 4°C	26 days after VTSR for analysis, 6 months after VTSR for analysis of others	USEPA TAL Metals Method 200.7*
	Matrix Spike and Matrix Spike Duplicate	Soil	Total Petroleum Hydrocarbons	1	1	Glass, clear/ 1 liter/1	Cool to 4°C HNO_3 to pH <2	28 days after VTSR for analysis	USEPA Method 418.1
	Field Blank	Water	Volatile Organics	1	1	Glass, clear/ 40 ml/3	Cool to 4°C	14 days after VTSR for analysis	USEPA SW-846 Method 8240
	Field Blank	Water	Metals (Arsenic, Cadmium, Chromium, Lead)	1	1	Plastic/Oil/1	Cool to 4°C HNO_3 to pH <2	26 days after VTSR for analysis, 6 months after VTSR for analysis of others	USEPA TAL Metals Method 200.7*
	Field Blank	Water	Total Petroleum Hydrocarbons	1	1	Glass, clear/ 1 liter/1	Cool to 4°C HNO_3 to pH <2	28 days after VTSR for analysis	USEPA Method 418.1
	Trip Blank	Water	Volatile Organics	1	1	Glass, clear/ 40 ml/3	Cool to 4°C	14 days after VTSR for analysis	USEPA SW-846 Method 8240

VTSR - Verified Time of Sample Receipt at the laboratory.

*and SW-846 Methods for:

	Method
Lead	7421
Arsenic	7060

STEP 5 - Remove the dome to the dry well and steam clean the inside rings (Note: the concrete dome is not to be reinstalled). Remove the bottom sludge with an industrial scavenger. Contain the bottom sludge in 55-gallon drums. Following the removal of the bottom sludge, visually inspect the remaining soil for signs of contamination. Remove contaminated soil from the bottom of the dry well until the remaining soil is visibly clean. It should be noted, however, that due to the close proximity of the garage to the dry well, significant concern exists over the ability to remove the concrete dome, concrete rings and/or contaminated soil without compromising the foundation of the garage structure.

Excavated soil will be stockpiled on and covered with heavy-gauge plastic sheeting or placed in a lined 'roll-off' container. Excavated soil saturated with sludge or containing free liquids will also be temporarily stored, on-site in 55-gallon drums. The excavated soil will be analyzed for appropriate RCRA characteristics, including the toxicity characteristic utilizing the Toxicity Characteristic Leaching Procedure (TCLP) for all constituents excluding the pesticide and herbicide compounds, as well as the characteristic of ignitability. All sampling and analyses will be completed prior to proper off-site disposal.

STEP 6 - Following the excavation of the visibly contaminated soil, obtain a soil endpoint sample of the remaining visibly clean soil and label the sample "Dry Well - After Cleaning." Test sample for volatile organic compounds utilizing EPA SW-846 Method 8240, "total analysis" metals (arsenic, cadmium, chromium and lead) and TPH.

STEP 7 - Based on the analytical results, properly transport and dispose of all drums and/or soil to a licensed facility, as appropriate. Provide copies of the manifest to EPA and/or NCDH.

STEP 8 - Seal the dry well in place with clean bank run sand. Seal the excavated area with concrete to match the existing grade.

EXHIBIT A

ANALYTICAL SAMPLING RESULTS

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930782 03/10/93

Grumman Aerospace Corporation
Mail Station D08-GH0
Bethpage, NY 11714-3582
ATTN: John Selva PO# 30-88337

SOURCE OF SAMPLE: 500 Central Ave., Bethpage (TCLP&METALS)
COLLECTED BY: MEG DATE COL'D:02/26/93 RECEIVED:02/26/93

SAMPLE: Wastewater sample, cesspool liquid

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/L*	<0.003	
Barium as Ba	mg/L*	0.59	
Cadmium as Cd	mg/L*	0.002	
Chromium as Cr	mg/L*	<0.02	
Lead as Pb	mg/L*	0.020	
Mercury as Hg	mg/L*	<0.001	
Selenium as Se	mg/L*	<0.005	
Silver as Ag	mg/L*	<0.01	

cc: John Ohlmann, GAC

REMARKS: * Analysis performed on TCLP leachate according to USEPA Method 1311.

DIRECTOR

rms 3243 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930782 03/10/93

Grumman Aerospace Corporation
Mail Station D08-GHQ
Bethpage, NY 11714-3582
ATTN: John Selva PO# 30-80997

SOURCE OF SAMPLE: 300 Central Ave., Bethpage (TCLPZ(E)
COLLECTED BY: MEG DATE COL'D:02/26/93 RECEIVED:02/26/93

SAMPLE: Wastewater sample, cesspool liquid

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Carbon Tetrachloride	ug/L*	<1	
Chlorobenzene	ug/L*	<1	
Chloroform	ug/L*	<1	
1,2 Dichloroethane	ug/L*	17	
1,1 Dichloroethene	ug/L*	<1	
Methyl Ethyl Ketone	ug/L*	<10	
Tetrachloroethene	ug/L*	280	
Trichloroethylene	ug/L*	94	
Vinyl Chloride	ug/L*	<1	
Benzene	ug/L*	900	

cc:John Ohlmann, GAC

REMARKS: * All analysis on this page was performed on TCLP according to USEPA Method 1311.
GC/MS analysis performed on 3/8/93 and 3/9/93.
Sample was filtered as per method 1311.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C930782 03/10/93

Grumman Aerospace Corporation
Mail Station D08-GH0
Bethpage, NY 11714-3582
ATTN: John Selva PO# 30-88997

SOURCE OF SAMPLE: 500 Central Ave., Bethpage (TCLPBNA)
COLLECTED BY: MEG DATE COL'D:02/26/93 RECEIVED:02/26/93

SAMPLE: Wastewater sample, cesspool liquid
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
2-Methylphenol (o-cresol)	<3500	
3-Methylphenol (m-cresol)	<3500	
4-Methylphenol (p-cresol)	<3500	
2,4-Dinitrotoluene	<3500	
Hexachlorobutadiene	<3500	
Hexachloroethane	<3500	
Pyridine	<3500	
Nitrobenzene	<3500	

cc: John Ohlmann, GAC

REMARKS: *All analyses on this page were performed on TCLP leachate per USEPA Method 1311.

High detection limits are due to interference in sample.

DIRECTOR

EXHIBIT B

QUALITY ASSURANCE/QUALITY CONTROL

1.0 INTRODUCTION

The following section, entitled "Exhibit B - Quality Assurance/Quality Control" provides detailed procedures to be followed to ensure that analytical data obtained during closure operations are representative, complete and comparable.

1.1 Sampling Procedures

Environmental samples collected during closure activities will be collected according to the following procedures:

Soil Samples

1. Be certain that the sampling equipment (stainless steel ladle or coring device) has been decontaminated utilizing the procedures outlined in subsection 1.2 of this Exhibit.

2. Remove the laboratory precleaned sample bottles from the sample cooler, label each bottle with an indelible marker according to the procedures listed in Subsection 1.4 of this Exhibit.

3. Wear disposable coveralls, gloves and eye protection, and be certain that sampling personnel are wearing the appropriate level of health and safety protection.

4. Remove soil from sampling location utilizing the ladle or coring device.

5. Transfer the sample into the open sample bottle and replace the bottle cover. The bottle for the volatile organic fraction will be filled first and shall be done in an expeditious manner with no mixing of the sample. Bottles for the remaining analytical fractions will then be filled.

6. Return sample bottle to sample coolers.

7. Decontaminate the sampling equipment according to the procedures outlined in subsection 1.2 of this Exhibit.

8. Properly dispose of any expendable health and safety gear.

Sludge Samples

1. Be certain that sampling equipment (stainless steel scoop or ladle) is decontaminated utilizing the procedures outlined in subsection 1.2 of this Exhibit.

2. Wear disposable rubber gloves and eye protection, and be certain that sampling personnel are wearing the appropriate level of health and safety protection.

3. Obtain a sample by using a stainless steel scoop.

4. Pour the sample into the sample bottle taking care not to spill sample on outside of bottle or overfill bottle, and replace cover on the sample bottle.

5. Return sample bottle to the sample cooler.

6. Decontaminate the stainless steel scoop or ladle utilizing the procedure outlined in Section 1.2.

7. Properly dispose of gloves and other appropriate health and safety equipment.

1.2 Decontamination Procedures

All nondisposable sampling equipment will be decontaminated at appropriate intervals (e.g., prior to initial use and prior to moving to a new sampling location).

Stainless-steel sampling equipment decontamination procedures will be as follows:

1. Wash equipment thoroughly with nonresidual detergent (alconox) and clean potable tap water using a brush to remove particulate matter or surface film.

2. Rinse thoroughly with tap water.

3. Rinse with 10% HNO_3 ultrapure (for metal samples only)

4. Rinse thoroughly with distilled water.

5. Rinse with methanol (pesticide grade) and air dry.

6. Rinse thoroughly with distilled water and air dry.

7. Wrap completely in clean aluminum foil with dull side against the equipment.

Sampling equipment will be decontaminated over a drum specifically used for this purpose. All equipment will be decontaminated before proceeding to the work area.

All decontamination generated wastes will be contained in 55-gallon drums prior to proper off-site shipment.

1.3 Chain of Custody

The chain of Custody Form will be completed and signed by the person performing the sampling. The original of the form travels with the sample and is signed with date and time noted each time the sample is relinquished to another party, until it reaches the laboratory or analysis is completed. The field sampler will keep one copy and a copy will be retained for the project file.

In general, Chain of Custody Forms are provided by the laboratory contracted to perform the analytical services. At a minimum, the following information will be provided on these forms:

- Project name and address
- Project number
- Sample identification number
- Date
- Time
- Sample location
- Sample type
- Analysis requested
- Number of containers
- Remarks
- Sampler(s) name(s) and signature(s)
- Spaces for relinquished by/received by signature and date/time.

1.4 Labeling

Sample bottles used to collect samples will be labeled with a indelible marker and will include the following information:

- Date and time of sample collection
- Name of sample collector
- Sample location
- Type of sample analysis

1.5 Performance and System Audits

A New York State approved laboratory which has satisfactorily completed performance audits and performance evaluation samples will be contracted to perform analytical services for this project.

1.6 Corrective Action

A New York State approved laboratory meeting requirements for corrective action protocols, including sample "clean up" to attempt to eliminate/mitigate "matrix interference" will be utilized for this project.

1.7 Matrix Spikes/Matrix Spike Duplicates and Spike Blanks

Matrix spikes and matrix spike duplicates will be used by the contracted laboratory as part of its internal Quality Assurance/Quality Control (QA/QC) Program. This QA/QC check will be consistent with the 1989 New York State Department of Environmental Conservation Analytical Services Protocols (NYSDEC ASP). These protocols provide for a spiked blank for all organic analyses of matrix spikes and spike duplicates.

1.8 Method Blanks

Method blanks are analyzed daily by the laboratory to check for contamination which may be introduced to the sample as a result of the analytical procedure itself. In instances where a particular compound is found in the method blank and in the environmental sample, the concentration in the environmental sample must be at least 10 times that of the method blank in order for the result to be valid.

1.9 Field Blanks

Equipment field blanks will be collected during the sample collection program undertaken during closure operations. The field blank will be collected by pouring distilled water over the decontaminated sampling device and collecting the liquid in a sampling container for laboratory analysis to check for adequacy of decontamination procedures.

1.10 Documentation, Data Reduction and Reporting

A New York State approved laboratory meeting requirements for documentation, data reduction and reporting will be chosen to perform the analytical testing for this project. All data will be cataloged according to sampling location and sample identification nomenclature determined in the field by the field project manager.

EXHIBIT C

FACILITY MAINTENANCE PLAN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
UNDERGROUND INJECTION CONTROL PROGRAM
MAINTENANCE PLAN
FOR
EAGLES NEST MOTOR SPORT, INC.
AUTOMOBILE REPAIR FACILITY

PREPARED FOR:

GRUMMAN AEROSPACE CORPORATION
BETHPAGE, NEW YORK

PREPARED BY:

DVIRKA AND BARTILUCCI
CONSULTING ENGINEERS
SYOSSET, NEW YORK

JULY 1993

EAGLES NEST MOTOR SPORT, INC.
AUTOMOBILE REPAIR FACILITY
MAINTENANCE PLAN

TABLE OF CONTENTS

LIST OF FIGURES

1.0 INTRODUCTION

This maintenance plan has been prepared for the Eagles Nest Motor Sport, Inc., facility located at 500 Central Avenue in Bethpage, New York. The information presented in this plan is provided in accordance with requirements stipulated by the U.S. Environmental Protection Agency (USEPA) and the Nassau County Department of Health (NCDOH) pursuant to the Underground Injection Control (UIC) program mandated under Part C of the Federal Safe Drinking Water Act.

The purpose of this document is to provide a description of waste handling and disposal procedures utilized by the Eagles Nest Motor Sport, Inc. facility in association with automobile maintenance activities undertaken within the mechanic bays at the facility. These procedures have been developed to ensure proper on-site containment and off-site transportation and recycling/disposal of any waste generated at the facility.

Section 2.0 of this document comprises the body of the Eagles Nest Motor Sport, Inc. facility maintenance plan. In this section, a brief overview of facility operations is provided, including a description of those maintenance activities which generate residual waste. In addition, Section 2.0 provides a summary of procedures utilized at the facility to contain waste generated on-site and provide for proper off-site transportation and recycling/disposal of the waste.

2.0 MAINTENANCE PLAN

2.1 Facility Description

Eagles Nest Motor Sport, Inc. is located at 500 Central Avenue at the northwestern corner of Central Avenue and Scherer Street in the Town of Bethpage, Nassau County, New York (see Figure 1). Currently, the facility consists of a one-story garage that includes mechanic bays, an auto part storage room, and an auto body painting and repair area. The facility also provides an outdoor storage area that is utilized to temporarily park cars awaiting repairs. Inside the mechanics bay is a floor drain, slop sink and distribution pit that are believed to discharge to a dry well located beneath the outdoor storage area. A facility plan indicated the major site features is provided in Figure 2.

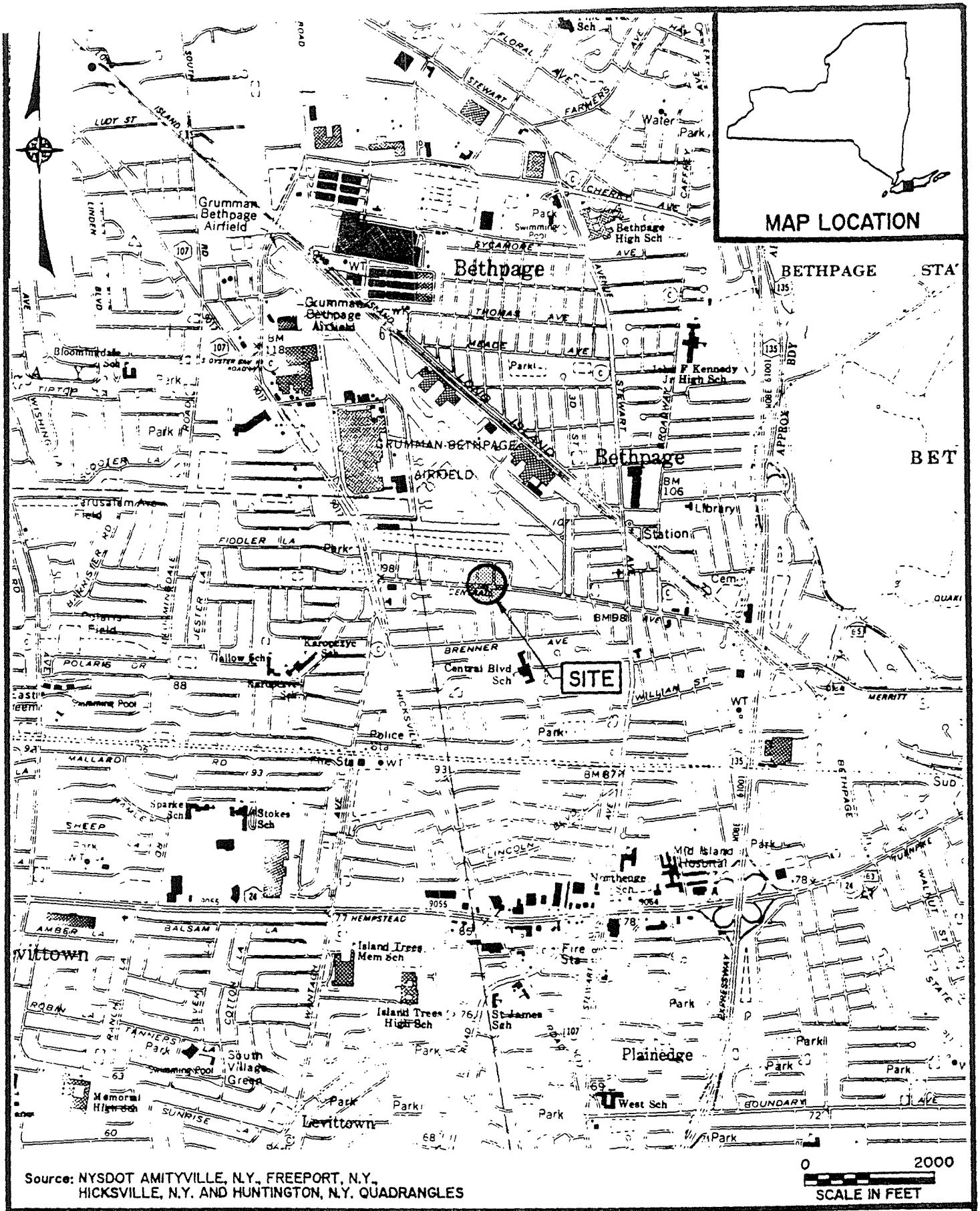
2.2 Maintenance Operations

Maintenance operations undertaken within the mechanic bays at the facility include automobile repair and upkeep. These operations include engine oil and antifreeze change-outs, small parts cleaning, and auto body painting and repair areas. The following sections provide a description of each of the above discussed maintenance operations including procedures used to ensure on-site contaminant and provide for proper off-site transportation of any waste generated.

Engine Oil Change-outs

Engine oil changes are performed in the mechanic bays as required. Spent engine oil is removed from the vehicle and emptied into a 55-gallon steel drum through a funnel. In addition to spent oil, this drum is utilized for containing any brake fluid or transmission fluid as well. This waste oil is subsequently utilized as fuel for the on-site space heater.

In the event of an accidental spill during oil change outs, the spilled oil is immediately contained and cleaned up with an absorbent material, such as "Speedi-Dri." The oil-contaminated "Speedi-Dri" is temporarily stored in a 55-gallon drum followed by proper off-site disposal.

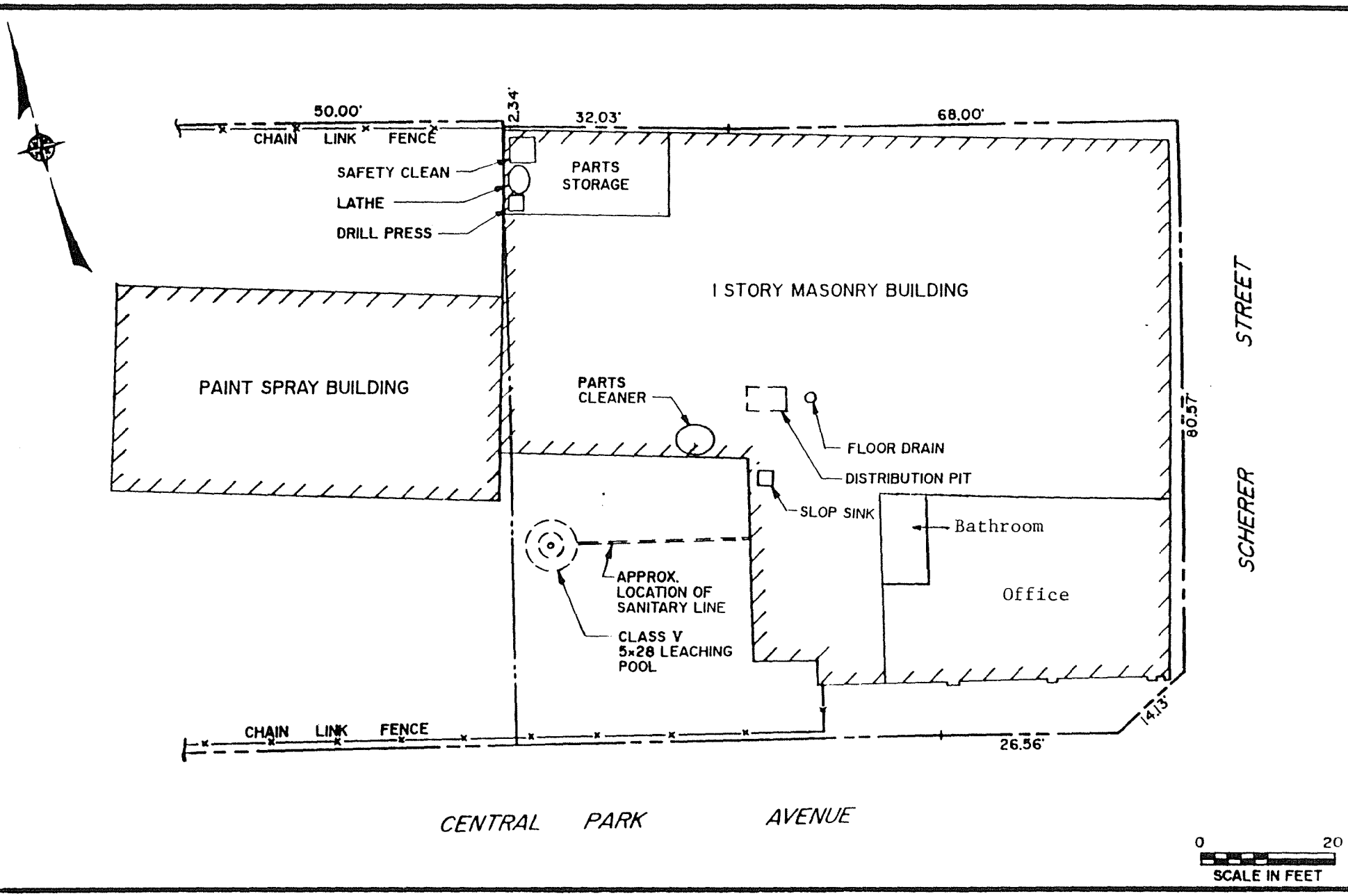


EAGLES NEST MOTOR SPORT, INC.
BETHPAGE, NEW YORK

Dvirka and Bartilucci CONSULTING ENGINEERS

SITE LOCATION MAP

FIGURE 1



EAGLES NEST MOTOR SPORT, INC.
BETHPAGE, NEW YORK

SITE PLAN

Dvirka and Bartilucci CONSULTING ENGINEERS

FIGURE 2

Antifreeze Change-outs

Antifreeze change-outs are performed in the mechanic bays as required. The spent antifreeze is removed from the vehicle and emptied into a portable 30-gallon drum. In addition, rinse water generated from mopping the garage floor is also contained within the 30-gallon drum. The drum is removed periodically by Safety Kleen for proper off-site reclamation or disposal.

In the event of an accidental spill during antifreeze change-outs, the spilled antifreeze is immediately contained and cleaned up with an absorbent material such as "Speedi-Dri." The contaminated "Speedi-Dri" is temporarily stored in a 55-gallon drum followed by proper off-site disposal.

Small Parts Cleaning

Small engine parts requiring cleaning are washed in a mineral spirit solvent contained in two 30-gallon Safety Kleen parts washers located in the mechanic bays. After manually washing parts, the residual solvent is returned directly to the same 30-gallon drum. When the solvent is "spent" (i.e., no longer usable for parts cleaning), the drums are removed from the facility by Safety Kleen for proper off-site reclamation or disposal.

In the event of an accidental spill during small parts cleaning, the spilled mineral spirits are immediately contained and cleaned up with an absorbent material such as "Speedi-Dri." The "Speedi-Dri" is temporarily stored in a 55-gallon drum followed by proper off-site disposal.

Auto Body Painting and Repair Area

As part of normal operations, the auto body painting and repair area generates small quantities of liquid waste such as paint thinners and solvents. The liquid waste is contained within a 55-gallon drum and is removed from the facility by Safety Kleen for proper off-site disposal.

In the event of an accidental spill of liquid waste in the auto body painting and repair area, the spilled waste is immediately contained and cleaned up with an absorbant material such as "Speedi-Dri." The "Speedi-Dri" is temporarily stored in a 55-gallon drum followed by proper off-site disposal.

2.3 Emergency Spill Response

Due to the small volume of material stored at the Eagles Nest Motor Sport, Inc. facility, it is not necessary to prepare a Spill Prevention Control and Countermeasure (SPCC) plan.

3.0 EMPLOYEE STATEMENT OF UNDERSTANDING

EAGLES NEST MOTOR SPORT, INC.
USEPA UNDERGROUND INJECTION CONTROL PROGRAM
MAINTENANCE PLAN

STATEMENT OF UNDERSTANDING

I, _____, have received a copy of the maintenance plan for the Eagles Nest Motor Sport, Inc., Bethpage, New York facility and am aware of the provisions and procedures outlined in the plan.

_____ _____
OPERATOR SIGNATURE DATE

APPENDIX 2

Class V UIC Permit Application / Closure Request

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

JACOB K. JAVITS FEDERAL BUILDING

NEW YORK, NEW YORK 10278-0012

J. OHLMANN

JUN - 2 1993

JUN 21 199

CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Article number: P-353-158-392
Article number: P-353-158-393

Director Corporate Envirc
Technology & Compli

John Ohlman, P.E.
Gruman Aerospace Corporation
M/S DO8-GHQ
Stewart Avenue
Bethpage, NY 11714-33580

Joseph Perisi
Business Owner
Eagle Nest Motor Sports, Inc.
500 Central Avenue
Bethpage, NY 11714

Re: Class V UIC Permit Application/Closure Request
Eagle Nest Motor Sports, Inc.
500 Central Avenue
Bethpage, NY 11714

Dear Messrs. Ohlman & Perisi:

A recent inspection of the above-referenced facility, indicates that fluids are being disposed of into one floor drain which discharges into the ground by means of a septic system. Under 40 Code of Federal Regulations (C.F.R.) §144.3, the septic system is considered a Class V injection well, type 5X28 (see Enclosure 1, Class V well types) and is subject to the requirements of the Underground Injection Control (UIC) program. U.S. Environmental Protection Agency (EPA) records indicate that the injection activity is authorized by rule pursuant to 40 C.F.R. §144.24.

EPA administers the UIC program as mandated by Part C of the Safe Drinking Water Act (SDWA), 42 United States Code (U.S.C.) §300f et seq., as amended. Section 1422 of the SDWA, 42 U.S.C. §300h-1, requires EPA to administer the UIC program in states that do not have approved state programs, as is the case in New York. The regulations associated with the program are contained in 40 C.F.R. Parts 124, 144, 145, 146, and 147. 40 C.F.R. §144.12(a) states that no owner or operator shall conduct any injection activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 C.F.R. Part 142 or may otherwise adversely affect the health of persons. 40 C.F.R. §144.12(d) states that when the Director of the UIC program learns that a Class V well may cause a violation, he may take such actions as may be necessary to prevent the violation. This may include requiring the operator to obtain an individual UIC permit or closure of the well.

Your facility is located in an area where any contaminants disposed of into an injection well might contaminate ground water. In addition, chemical analysis of the injection well contents at facilities of the type you operate have been found to contain high concentrations of dangerous contaminants such as benzene (a known carcinogen), toluene, ethylbenzene, xylene, lead, cadmium and chromium. Consequently, your facility's Class V well might cause a violation of primary drinking water regulations or otherwise adversely affect the health of persons. Therefore, it is necessary that action be taken to prevent any such violation or adverse impact, by either operating the well in accordance with the requirements of a UIC Permit or closing the well properly. See Enclosure 2 for additional information.

It is EPA's experience that the cost of treating the wastes you inject to ensure the removal of all contaminants would be substantial. In addition, an EPA injection well permit would require you to have a sample collected and analyzed by a laboratory periodically. For these reasons, most Class V injection well operators choose to close the wells rather than attempt to obtain a federally issued UIC permit. Therefore **EPA strongly recommends that you choose to close the well. Before you close the well, you must submit a closure plan to EPA and receive EPA's approval of that plan. Enclosed are instructions for UIC closure plans (see Enclosure 2).**

If you would like to continue using the well, you must submit a permit application to EPA. Instructions for filing a Federal UIC permit application are enclosed (see Enclosure 3). Should the permit application fail to meet all UIC requirements, as summarized in 40 C.F.R. Part 144 Subpart D and §144.12(a), the permit application will be denied and well closure will be necessary. Be advised that issuance of a Federal UIC permit does not exempt the facility from State or local law and that, therefore, any injection activity may be prohibited at the State or local level, regardless of the fact that a Federal UIC permit has been issued to you.

Failure to submit a closure plan or permit application **within 30 days of receipt of this letter** will result in loss of authorization to inject into the well and may result in an enforcement action pursuant to Section 1423 of the SDWA, 42 U.S.C. §300h-2, et seq. including, but not limited to, the imposition of a civil penalty of not more than $25,000 for each day of violation. In addition to, or in lieu of a civil penalty,

willful violations may result in imprisonment for up to 3 years or a fine in accordance with Title 18 of the U.S.C. As an alternative to civil or criminal enforcement, an Administrative Order may be issued which assesses an administrative penalty of not more than $10,000 for each day of violation for any past or current violations, up to a maximum penalty of $125,000. An Administrative Order may also require compliance with UIC regulations or other requirements of the SDWA.

Should you need additional time to prepare your closure plan or permit application, you must submit a letter explaining the reason(s) you are unable to comply within the allotted 30 days and how many additional days you need. EPA will consider your extension request and will advise you in writing of its decision to approve or deny the request.

In addition, should you own or operate other facilities using underground injection wells, you must, pursuant to 40 C.F.R. §§144.26 and 144.27, report the following information within 30 days of receipt of this letter:

1. Name and address of the facility.

2. Name of the landowner, business owner, and facility operator.

3. Type(s) of well(s) (cesspool, drywell, leachfield) and all sources of fluid (floor drains, bathrooms, storm water, etc.) going into the well(s).

EPA will evaluate the information you submit and advise you in writing of any applicable UIC requirements concerning the additional wells.

Please send all submissions to:

Frank C. Brock, Chief 212-264-1547
Underground Injection Control Section
U.S. Environmental Protection Agency
26 Federal Plaza, Room 853
New York, NY 10278

If you have any questions concerning this matter, you may contact Edwin Khadaran of my staff at (212) 264-1347.

Your cooperation in this matter is encouraged.

Sincerely yours,

Richard L. Caspe, P.E.
for Director
Water Management Division

Enclosures

cc: N.G. Kaul, Director
Division of Water
New York State Department of
Environmental Conservation

Robert Schneck, Regional Water Engineer
New York State Department of
Environmental Conservation - Region I

Robert Girillo, Public Health Sanitarian
Nassau County Department of Health

APPENDIX 3

Closure Plan Approval Correspondence from EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, NEW YORK 10278-0012

JUL 13 1993

CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Article Number: P-353-173-998
Article Number: P-353-439-292

John Ohlman, P.E.
Grumman Aerospace Corp.
M/S DO8-GHQ
Stewart Avenue
Bethpage, New York 11714

Joseph Perisi
Business Owner
Eagle Nest Motor Sports, Inc.
500 Central Avenue
Bethpage, New York 11714

Re: Approval of Closure Plan
Eagle Nest Motor Sports, Inc.
500 Central Avenue
Bethpage, New York 11714

Dear Messrs. Ohlman & Perisi:

The U.S. Environmental Protection Agency (EPA) is in receipt of the July 2, 1993 letter transmitting the closure plan for the Class V well located at the above referenced facility. The closure plan is hereby approved. Note, the Class V well in question must be closed within 60 days of receipt of this letter.

Failure to cease injection and close the well in accordance with the approved closure plan by the above deadline may result in the consideration of all enforcement options available pursuant to Section 1423 of the Safe Drinking Water, 42 United States Code §300h-2, et. seq.

Should you need additional time to complete the closure, you must submit a letter explaining the reason(s) you are unable to comply within the allocated 60 days and how many additional days you need. EPA will consider your extension request and will advise you in writing of its decision to approve or deny the request.

In addition, please be reminded that EPA must be notified at least 10 days prior to the commencement of any sampling or cleaning of the injection well. You may contact Edwin Khadaran of my staff at (212) 264-1347 to notify EPA. A representative from EPA may be present to observe and/or collect samples.

Copies of all sample results must be sent to:

Frank C. Brock, Chief
Underground Injection Control Section
U.S. Environmental Protection Agency
26 Federal Plaza, Room 845
New York, New York 10278

Thank you for your continued cooperation.

Sincerely,

Frank C. Brock
Chief
Underground Injection Control Section

APPENDIX 4

Hazardous Waste Manifest

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM, State Office Building
Hartford, CT 06106

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

HIN CONNECTICUT CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (203) 566-3338 FOR SPI... 3802 ... HO 1-8...

COPY 6: GENERATOR MAILS TO DESTINATION STATE

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: NYD986964218 — Manifest Document No: 92809
2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law

3. Generator's Name and Mailing Address: GRUMMAN EAGLES NEST MOTOR SPORT, 500 CENTRAL AVENUE, BETHPAGE, NY
4. Generator's Phone (516) 575-8176

A. State Manifest Document Number: CT F 0292807
B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: MILLER ENVIRONMENTAL GROUP
6. US EPA ID Number: NYD981698085
7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #) 7228-Z(NY)
D. Tran. Phone (516) 369-4900
E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )

9. Designated Facility Name and Site Address: UNITED INDUSTRIAL SERVICES, 136 GRACEY AVENUE, MERIDEN, CT 06450
10. US EPA ID Number: CTD021816889

G. State Facility's ID (Not Required)
H. Facility's Phone 203-235-3153

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ- HAZARDOUS WASTE LIQUID, N.O.S. ORM-E (BENZENE/LEAD) NA 9189 (D008-D018)	XX1	TT	02340	G	D008/D018 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. SANITARY LIQUIDS CONTAMINATED WITH LEAD AND BENZENE
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.		NYS:B	c.		
b.			d.		

15. Special Handling Instructions and Additional Information

UNITED #FG6140

EMERGENCY CONTACT: 516-569-4900

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
	[signature]	09	20	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MARK MCCARTHY	Mark McCarthy	09	20	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
	[signature]			

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

CT F 0292807

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039. Expires 9/30/94. Previous edition is obsolete.

APPENDIX 5

Bottom Sludge Analytical Results

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C933654 09/02/93

MEG, Miller Environmental Group
460 Edwards Ave., P.O. Box 610
Calverton, NY 11933
ATTN: Jim Davey

SOURCE OF SAMPLE: Grumman, Central Ave., Bethpage**
COLLECTED BY: Client DATE COL'D:08/18/93 RECEIVED:08/24/93

SAMPLE: Soil sample

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Flash Point deg C	>100	

cc:

REMARKS:

** Eagles Nest.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C9336S4 09/02/93

MEG, Miller Environmental Group
460 Edwards Ave., P.O. Box 610
Calverton, NY 11933
ATTN: Jim Davey

SOURCE OF SAMPLE: Grumman, Central Ave., Bethpage**(TCLPBNA)
COLLECTED BY: Client DATE COL'D:08/18/93 RECEIVED:08/24/93

SAMPLE: Soil sample
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
2-Methylphenol (o-cresol)	<10	
3-Methylphenol (m-cresol)	<10	
4-Methylphenol (p-cresol)	<10	
Pentachlorophenol	<100	
2,4,5-Trichlorophenol	<10	
2,4,6-Trichlorophenol	<10	
2,4-Dinitrotoluene	<10	
Hexachlorobenzene	<10	
Hexachlorobutadiene	<10	
Hexachloroethane	<10	
Nitrobenzene	<10	
Pyridine	<10	

cc:

REMARKS: * Analysis performed on TCLP leachate according to USEPA Method 1311.
** Eagles Nest.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C933654 09/02/93

MEG, Miller Environmental Group
460 Edwards Ave., P.O. Box 610
Calverton, NY 11933
ATTN: Jim Davey

SOURCE OF SAMPLE: Grumman, Central Ave., Bethpage**(TCLPZHE)
COLLECTED BY: Client DATE COL'D:08/18/93 RECEIVED:08/24/93

SAMPLE: Soil sample

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Carbon Tetrachloride	ug/L*	<1	
Chlorobenzene	ug/L*	<1	
Chloroform	ug/L*	<1	
1,4 Dichlorobenzene	ug/L*	4	
1,2 Dichloroethane	ug/L*	<1	
1,1 Dichloroethene	ug/L*	<1	
Methyl Ethyl Ketone	ug/L*	<20	
Tetrachloroethene	ug/L*	<1	
Trichloroethylene	ug/L*	<1	
Vinyl Chloride	ug/L*	<1	
Benzene	ug/L*	<1	

cc:

REMARKS: * Analysis performed on TCLP leachate according to USEPA Method 1311.
** Eaglem Neat.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C933654 09/02/93

MEG, Miller Environmental Group
460 Edwards Ave., P.O. Box 610
Calverton, NY 11933
ATTN: Jim Davey

SOURCE OF SAMPLE: Grumman, Central Ave., Bathpage**/TCLP&MET
COLLECTED BY: Client DATE COL'D:08/18/93 RECEIVED:08/24/93

SAMPLE: Soil sample

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/L*	0.006	
Barium as Ba	mg/L*	0.12	
Cadmium as Cd	mg/L*	0.011	
Chromium as Cr	mg/L*	<0.02	
Lead as Pb	mg/L*	0.046	
Mercury as Hg	mg/L*	<0.001	
Selenium as Se	mg/L*	<0.005	
Silver as Ag	mg/L*	<0.01	

cc:

REMARKS: * Analysis performed on TCLP leachate according to USEPA Method 1311.
** Eagles Nest.

DIRECTOR

APPENDIX 6

Hazardous Waste Manifest

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM, State Office Building
Hartford, CT 06106

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.
	NYD986964278	95953		

GENERATOR

3. Generator's Name and Mailing Address
EagleNest Motor Sport
500 Central avenue, Bethpage, NY
4. Generator's Phone (516-575-8176

A. State Manifest Document Number: CT F 0293953

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: Miller Environmental Group Inc.
6. US EPA ID Number: NYD986908055

C. S.T.I. (Trans. Lic. Plate #): TA2812

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone (516-369-4900

9. Designated Facility Name and Site Address
United Industrial Services
136 Cheney Avenue
Meriden, Ct. 06450
10. US EPA ID Number: CTD021816889

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 203-235-3753

11. US DOT Description *(Including Proper Shipping Proper Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ-Hazardous Waste Liquid, NOS. ORM-E (Benzene/Lead) NA09189 (D008-D018)	0.0.1	TT	3490	G	EPA D008/D018 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. Sanitary Liquids contaminated with Lead and Benzene
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final
a.		WS: B
b.		
c.		
d.		

15. Special Handling Instructions and Additional Information
United #FG6140
Emergency #516-369-4900

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
John Pecci		08	16	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Robert W. Maiorana		08	16	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039. Expires 9/30/94. Previous edition is obsolete.

COPY 5 - TRANSPORTER 1 RETAINS

CT F 0293953

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802. FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (2

APPENDIX 7

Documentation of Nonhazardous Waste Shipment

PRIVATE
NON-HAZARDOUS
DOCUMENT OF CARGO

No 0304

E SP

N.Y. State 364 Permit No. 1A-041

#1 MEG ID # 26

#1 Truck License Number PD-3628

#2 MEG ID # _____

#2 Truck License Number _____

IDENTIFICATION

Company name, mailing address and telephone number

Generator: Grumman Corp. @ Eagle's Nest
500 Central Aven ue
Bethpage, NY

Transporter: **Miller Environmental Group, Incorporated**
460 EDWARDS AVENUE
CALVERTON, NEW YORK 11933

TSDF Treatment Storage or Disposal Facility: Chemical Pollution Control
120 So. 4th Sttreet
Bay Shore, NY 11706

WASTE INFORMATION

NON-HAZARDOUS WASTE SHIPPING DESCRIPTION	Containers No.	Containers Type	Total Quantity Gals./Lbs./Yds./Bgs.	NYSDEC Code	TSDF Code
Oil Spill Debris Solid	9	DM	3600/Lbs.	N011	

I hereby certify that the above waste description is complete and accurate, and that no component exist in the wastes which render it hazardous as defined by 6 NY CRR Section 371 and 372.

Generator's Signature — Date: 9/20/93

Transporter's Signature #1: Fred Bradford — Date: 9-20-93

Transporter's Signature #2 — Date

TSDF Signature: DCarr — Date: 9-20-93

APPENDIX 8

End Point Soil Sample Analytical Results

LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC CONSTITUENTS IN WATER, HAZARDOUS WASTES AND SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

1 ☐ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☒ Other

U.I.C.

Lab. No. 930820

D

Field No. UC

N No. (Public Water Supply Only)

Source Information (Please Print)

Premises: EAGLE NEST
Address: 500 Central Avenue
Town: Bethpage
Collection Point: Cesspool Well No.
After Cleaning

Sampler's Comments: Sample Depth: 14'3"
~~Raw Head Space~~ Head Space
Soil was medium to coarse grain sand with medium to dark brown color
Raw Head Space Analysis: 70 units sustained (unheated)
Transported on ICE

	Month	Day	Year
Date Collected	09	20	93
Date Received	SEP		
Date Reported	10	07	
Collection Time	12 : 15		
Collected By:	Bob Girillo		

Bureau
1 ☐ Land Resources Management
2 ☒ Public Water Supply
3 ☐ Water Pollution Control
4 ☐ Environmental Sanitation
9 ☐ Other (specify)

SAMPLE TYPE

	AQUEOUS				NON-AQUEOUS
	Community Well	6	Surface Water	1 X	Soil
2	Non-Community Well	7	Waste Water	2	Sludge
3	Private Well	8	Industrial Effluent	3	Waste Solvent
4	Monitoring Well	9	Raw Supply Water	4	Oil
	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

1	Purgeable Organic compounds
3	Other (specify)

Examiner's Comments:

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access number:	930825
Source:	EAGLE NEST, 500 CENTRAL AVENUE, BETHPAGE
Matrix:	SOIL
Site:	CESSPOOL AFTER CLEANING
Date Sampled:	09/20/93
Date of Report:	10/26/93

Comment: THE FOLLOWING COMPOUNDS WERE TENTATIVELY IDENTIFIED BY GC/MS ANALYSIS:

2,2,4-TRIMETHYL HEPTANE
3,3-DIMETHYL HEXANE
2,2,5-TRIMETHYL HEXANE
3,7-DIMETHYL NONANE
2,6,8-TRIMETHYL DECANE

OTHER UNIDENTIFIED HYDROCARBON AND AROMATIC COMPOUNDS WERE PRESENT.

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

ACCESS NUMBER: 930825
SOURCE: EAGLE NEST - 500 CENTRAL AVENUE, BETHPAGE
MATRIX: SOIL
SITE: CESSPOOL AFTER CLEANING
DATE SAMPLED: 09/20/93
DATE OF REPORT: 10/26/93

VOLATILE HALOGENATED	MRC (ng/g)		RESULT (ng/g)
VINYL CHLORIDE	200	<	200
TRICHLOROFLUOROMETHANE	200	<	200
1,1-DICHLORDETHYLENE	200	<	200
METHYLENE CHLORIDE	200		240
t-1,2-DICHLORDETHYLENE	200	<	200
1,1-DICHLORDETHANE	200	<	200
2,2-DICHLOROPROPANE	400	<	400
c-1,2-DICHLORDETHYLENE	200	<	200
CHLOROFORM	200	<	200
BROMOCHLOROMETHANE	200	<	200
1,1,1-TRICHLORDETHANE	200	<	200
1,1-DICHLOROPROPENE	200	<	200
CARBON TETRACHLORIDE	200	<	200
1,2-DICHLORDETHANE	200	<	200
TRICHLORDETHYLENE	200	<	200
1,2-DICHLOROPROPANE	200	<	200
BROMODICHLOROMETHANE	200	<	200
DIBROMOMETHANE	200	<	200
c-1,3-DICHLOROPROPENE	200	<	200
t-1,3-DICHLOROPROPENE	200	<	200
1,1,2-TRICHLORDETHANE	200	<	200
1,3-DICHLORDPROPANE	200	<	200
TETRACHLORDETHYLENE	200	<	200
DIBROMOCHLOROMETHANE	200	<	200
1,2-DIBROMOETHANE	200	<	200
1,1,1,2-TETRACHLORDETHANE	200	<	200
BROMOFORM	200	<	200
1,1,2,2-TETRACHLORDETHANE	200	<	200
1,2,3-TRICHLOROPROPANE	200	<	200
1,2-DIBROMO-3-CHLOROPROPANE	200	<	200

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

ACCESS NUMBER: 930825
SOURCE: EAGLE NEST - 500 CENTRAL AVENUE, BETHPAGE
MATRIX: SOIL
SITE: CESSPOOL AFTER CLEANING
DATE SAMPLED: 09/20/93
DATE OF REPORT: 10/26/93

VOLATILE AROMATICS	MRC (ng/g)		RESULT (ng/g)
BENZENE	100	<	100
TOLUENE	200	<	200
CHLOROBENZENE	200	<	200
ETHYLBENZENE	200	<	200
o-XYLENE	200	<	200
m,p-XYLENE	200	<	200
STYRENE	200	<	200
n-PROPYLBENZENE	200	<	NR
ISOPROPYLBENZENE	200	<	200
BROMOBENZENE	200	<	200
1,2,4-TRIMETHYLBENZENE	200	<	NR
1,3,5-TRIMETHYLBENZENE	200	<	NR
2-CHLOROTOLUENE	200	<	200
4-CHLOROTOLUENE	200	<	200
n-BUTYLBENZENE	200	<	NR
sec-BUTYLBENZENE	200	<	NR
tert-BUTYLBENZENE	200	<	NR
p-ISOPROPYLTOLUENE	200	<	NR
o-DICHLOROBENZENE	200	<	200
m-DICHLOROBENZENE	200	<	200
p-DICHLOROBENZENE	200	<	200
1,2,3-TRICHLOROBENZENE	200	<	200
1,2,4-TRICHLOROBENZENE	200	<	200
HEXACHLOROBUTADIENE	200	<	200
NAPHTHALENE	200	<	NR

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

LABORATORY REPORT

CHEMICAL EXAMINATION OF INDUSTRIAL AND HAZARDOUS WASTES

Center for Laboratories and Research

Nassau County Department of Health

1 ☐ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☒ Other U.I.C.

Lab. No. Clin. Spec. 39100932

B

Field No. UC

Source Information (Please Print)

Premises Eagle Nest

Address 500 Central Avenue

Town Bethpage

Collection Point Cesspool After Cleaning

	Month	Day	Year
Date Collected	09	20	93
Date Received			
Date Reported	SEP 23 1993		

Collection Time 12:15

Collected By: Bob Girillo

Sampler's Comments: Sample Depth: 14' 3"

Soil was medium to coarse grain sand with medium to dark brown color

Total & TCLP (IF total ≥ 100 mg/kg)

Bureau :
1 ☐ Land Resources Management
9 ☒ Other (specify) BWSP

Sample Type:
A ☐ Water
B ☒ Soil
C ☐ Sludge
D ☐ Waste Solvent
E ☐ Oil
F ☐ Other

CHEMICAL EXAMINATION

Check	TOTAL Metals		Result	Check	Non-Metals		Result
1	Aluminum	mg/l		15	Chloride	mg/l	
(2)	Arsenic	mg/kg	0.6	16	Cyanide	mg/l	
3	Barium	mg/l		17	Fluoride	mg/l	
(4)	Cadmium	mg/kg	0.2	18	MBAS	mg/l	
(5)	Chromium, Total	mg/kg	9.3	19	pH		
6	Copper	mg/l		20	Phenols	mg/l	
7	Iron, Total	mg/l		21	Solids, Suspended	mg/l	
(8)	Lead	mg/kg	1.5	22	Solids, Total Diss.	mg/l	
9	Manganese	mg/l		23	Sulfate	mg/l	
10	Mercury	mg/l		24	Ammonia nitrogen	mg/l	
11	Nickel	mg/l		25	Kjeldahl nitrogen	mg/l	
12	Selenium	mg/l		26	Nitrite nitrogen	mg/l	
13	Silver	mg/l		27	Nitrate nitrogen	mg/l	
14	Zinc	mg/l		28	Total Phos.	mg/l	

SPECIAL ANALYSIS

Check	Constituent		Result
29	Chromium hex.	mg/l	
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			

Examiner's Comments

APPENDIX 9

Documentation of Visibly Clean Condition

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

JACOB K. JAVITS FEDERAL BUILDING

NEW YORK, NEW YORK 10278-0012

SEP 18 1993

CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Article Number: P-268-727-899
Article Number: P-268-727-900

John Ohlman, P.E.
Grumman Aerospace Corp.
M/S D08-GHQ
Stewart Avenue
Bethpage, N.Y. 11714

Joseph Perisi
Business Owner
Eagle Nest Motor Sports, Inc.
500 Central Avenue
Bethpage, N.Y. 11714

Re: Class V Well - Analytical Results
Eagle Nest Motor Sports, Inc.
500 Central Avenue
Bethpage, New York 11714

Dear Messrs. Ohlman & Perisi:

The U.S. Environmental Protection Agency (EPA) is in receipt of the October 12, 1993 letter transmitting the analytical results for the visibly clean soil samples collected from in and around the Class V wells located at the above referenced facilities. Please be advised that the condition of visibly clean have been achieved at the above referenced site. Nevertheless, as per your approved closure plan you are required to submit copies of the manifest records for the material excavated from the dry well, and surrounding soil illustrating that the material was carted off-site of the property.

Should you have any questions with respect to this request, please contact me or Edwin Khadaran of my staff at (212) 264-1347.

Sincerely yours,

Frank C. Brock
Chief
Underground Injection Control Section

cc: R. Girillo, NCDOH

J. OHLMANN

OCT 20 1993

Director Corporate Environmental Technology & Compliance

APPENDIX 10

Documentation of Closure Completion

MEMORANDUM

NASSAU COUNTY DEPARTMENT OF HEALTH

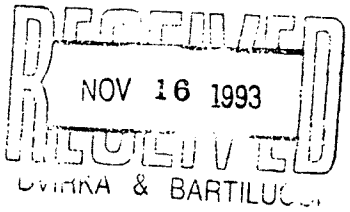
240 Old Country Road - Mineola, New York 11501

To : Ted Tierney, Andy Petti
NCDPW Sewer Permits

Date: November 15, 1993

From : Bruce Mackay

Subject : Eagle Nest Motor Sport
500 Central Ave.
Bethpage, N.Y. 11714



Please be advised that on November 10, 1993 the cesspool/septic tank at the referenced location has been properly emptied and backfilled with acceptable material.

BM:ds

Doc. #8680K