

NORTHROP GRUMMAN

Electronics & Systems Integration Division
Northrop Grumman Corporation
South Oyster Bay Road
Bethpage, New York 11714-3580

September 25, 1997
ETC97-235

New York State Department of Environmental Conservation
Building 40- SUNY
Stony Brook, NY 11790-2356

Attention: Brian Campbell

Subject: **Spill Number 93-02825, Plant 24, Bethpage Facility**

Reference: Northrop Grumman Correspondence to NYCDEC Representative
Brian Campbell, dated June 4, 1996 and March 3, 1997 (Enclosed)

Enclosure: (1) EPA Method 8015 Analysis, Lab Report No. C973657
(2) EPA Method 602 Analysis, Lab Report No. C973657
(3) RCRA Metals Analysis, Lab Report No. C973657

Dear Mr. Campbell:

On August 29, 1997 a sample was taken from the groundwater monitoring well associated with the subject spill. The sample was analyzed for Modified EPA Method 8015 (for hydraulic oil), EPA Method 602 and RCRA Metals as requested by your office.

The results of the Modified EPA Method 8015 and 602 analysis were all less than established detectability limits. The results of the RCRA Metals analysis were less than established detectability limits for all parameters except Cadmium which was detected at 0.001 mg/L.

Based on the above and enclosed referenced analytical results, water samples obtained from this well, over the period of the past year, have been below the New York State Department of Environmental Conservation (NYSDEC) regulatory guidance values for groundwater, as presented in the 1994 "Water Quality Regulation". Therefore, Northrop Grumman Corporation requests a determination from your office for the subject spill site closure.

MonwellPit24/235

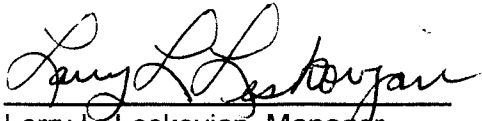


September 253, 1997
ETC97-235

If you have any questions please contact me at (516) 575-2333 or J. Selva of my office at (516) 575-8176.

Very truly yours,

NORTHROP GRUMMAN CORPORATION



Larry L. Leskovjan, Manager
Environmental, Health, Safety &
Medical Services
M/S: D16-001

MonwellPit24/235

bcc: J. Cofman
M. Hill
J. Selva

MonwellPII24/235

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

LAB NO.C973657

09/15/97

Northrop Grumman Aerospace Corporation
Mail Station D08-GHQ
Bethpage, NY 11714-3582

ATTN: John Selva

SOURCE OF SAMPLE: Grumman Plant 24, Filtered*
COLLECTED BY: MEG DATE COL'D:08/29/97 RECEIVED:08/29/97

SAMPLE: Water sample, MW#1

ANALYTICAL PARAMETERS

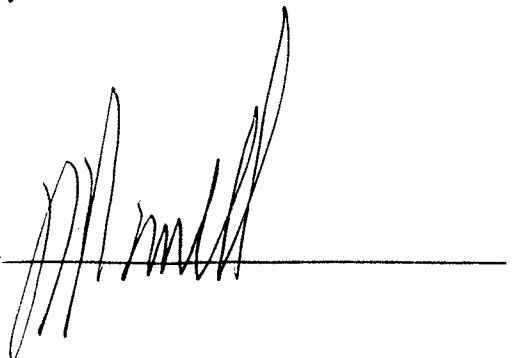
Arsenic as As	mg/L	<0.005
Barium as Ba	mg/L	<0.05
Cadmium as Cd	mg/L	0.001
Chromium as Cr	mg/L	<0.02
Lead as Pb	mg/L	<0.001
Mercury as Hg	mg/L	<0.00025
Selenium as Se	mg/L	<0.005
Silver as Ag	mg/L	<0.01

ANALYTICAL PARAMETERS

cc:Brian Kappenburg, MEG

REMARKS: * Sample was filtered by EcoTest.

DIRECTOR



rn= 23189

NYSDOH ID# 10320

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LAB NO.C973657

09/15/97

Northrop Grumman Aerospace Corporation
Mail Station D08-GHQ
Bethpage, NY 11714-3582

ATTN: John Selva

SOURCE OF SAMPLE: Grumman Plant 24, Filtered*
COLLECTED BY: MEG DATE COL'D:08/29/97 RECEIVED:08/29/97

SAMPLE: Water sample, MW#1

ANALYTICAL PARAMETERS

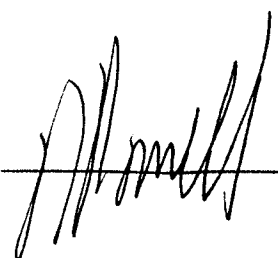
Benzene	ug/L	<1
Toluene	ug/L	<1
Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1

ANALYTICAL PARAMETERS

cc:Brian Kappenburg, MEG

REMARKS: * Sample was filtered by EcoTest.
EPA Method 602. Date of analysis: 09/05/97 by L.Liguori

DIRECTOR



rn= 23187

NYSDOH ID# 10320

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LAB NO.C973657

09/15/97

Northrop Grumman Aerospace Corporation
Mail Station D08-GHQ
Bethpage, NY 11714-3582
ATTN: John Selva

SOURCE OF SAMPLE: Grumman Plant 24, Filtered*
COLLECTED BY: MEG DATE COL'D:08/29/97 RECEIVED:08/29/97

SAMPLE: Water sample, MW#1

ANALYTICAL PARAMETERS

Diesel	ug/L	<10
#2 Fuel Oil	ug/L	<10
#4 Fuel Oil	ug/L	<10
#6 Fuel Oil	ug/L	<10
Lubricating Oil	ug/L	<10
Mineral Spirits	ug/L	<10
JP4	ug/L	<10
JP5	ug/L	<10
Jet A	ug/L	<10
Kerosene	ug/L	<10

ANALYTICAL PARAMETERS

cc:Brian Kappenburg, MEG

REMARKS: * Sample was filtered by EcoTest.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.

DIRECTOR 

rn= 23188

NYSDOH ID# 10320

March 3, 1997
ETC97-062

Attention: Brian Campbell
NYS Department of Environmental Conservation
Building 40 - SUNY
Stony Brook, NY 11790-2356

Subject: **Spill Number 93-02825, Plant 24, Bethpage Facility**

Enclosure: (1) EPA Method 8015 Analysis. Lab Report
(2) EPA Method 602 Analysis. Lab Report No. C970446
(3) RCRA Metals Analysis. Lab Report No. C970446

Dear Mr. Campbell:

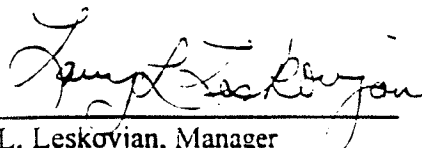
On February 4, 1997, a sample was taken from the groundwater monitoring well associated with the subject spill. The sample was analyzed for Modified EPA Method 8015 (for hydraulic oil), EPA Method 602 and RCRA Metals as requested.

The results of the modified EPA Method 8015 analysis were less than all of the established detectability limits for all parameters except Lubricating Oil detected at 300 ug/l, and JP-5 fuel detected at 360 ug/l. The results of the EPA Method 602 analysis were all less than the established detectability limits. The results of the RCRA Metals analysis were all less than their established detectability limits.

We will continue a semi-annual monitoring schedule as described above. If you have any questions please contact me at (516) 575-2333 or Mark Hill at (516) 346-8903.

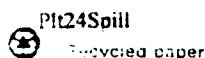
Very truly yours.

NORTHROP GRUMMAN CORPORATION



L. Leskovjan, Manager
Environmental, Health, Safety,
& Medical Services

bcc: S. Pozza, G. Smith
J. Cofman, M. Hill, J. Ingenito, R. Pravednekow, J. Selva, P. Siegel



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LAB NO. C970446

02/14/97

Grumman Aerospace Corporation
 Mail Station D08-GHQ
 Bethpage, NY 11714-3582

ATTN: John Selva

PO# 30-88997

SOURCE OF SAMPLE: Grumman, Bethpage
 COLLECTED BY: MEG DATE COL'D: 02/04/97 RECEIVED: 02/04/97

SAMPLE: Water sample, Plant 24 MW

ANALYTICAL PARAMETERS

Diesei	ug/L	<10
#2 Fuel Oil	ug/L	<10
#4 Fuel Oil	ug/L	<10
#6 Fuel Oil	ug/L	<10
Lubricating Oil	ug/L	1200*
Mineral Spirits	ug/L	<10
JP4	ug/L	<10
JP5	ug/L	360**
Jet A	ug/L	<10
Kerosene	ug/L	<10

ANALYTICAL PARAMETERS

cc: Vikki DeVoe, MEG

REMARKS: Diesel Range Organics by EPA 8015 Modified.
 * Product detected could be either very low viscosity Lubri-
 cating oil or Hydraulic Fluid.
 ** Product detected could be either weathered JP-5 Fuel or
 weathered Jet A Fuel.

DIRECTOR _____

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NYSDOH ID# 10320

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LAB NO. C970446

02/14/97

Grumman Aerospace Corporation
Mail Station D08-GHQ
Bethpage, NY 11714-3582

ATTN: John Selva

PO# 30-88997

SOURCE OF SAMPLE: Grumman, Bethpage
COLLECTED BY: MEG

DATE COL'D: 02/04/97 RECEIVED: 02/04/97

SAMPLE: Water sample, Plant 24 MW

ANALYTICAL PARAMETERS

Arsenic as As	mg/L	<0.005
Barium as Ba	mg/L	<0.05
Cadmium as Cd	mg/L	<0.01
Chromium as Cr	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Selenium as Se	mg/L	<0.005
Silver as Ag	mg/L	<0.01

ANALYTICAL PARAMETERS

cc: Vikki DeVoe, MEG

REMARKS:

DIRECTOR _____

0233

SYSDON ID# 10320

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

LAB NO. C970446

02/14/97

Grumman Aerospace Corporation
Mail Station D08-GHQ
Bethpage, NY 11714-3582

ATTN: John Selva

PO# 30-48997

SOURCE OF SAMPLE: Grumman, Bethpage

COLLECTED BY: MEG

DATE COL'D: 02/04/97 RECEIVED: 02/04/97

SAMPLE: Water sample, Plant 24 MW

ANALYTICAL PARAMETERS

Benzene	ug/L	<1
Toluene	ug/L	<1
Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1

ANALYTICAL PARAMETERS

cc: Vikki DeVoe, MEG

REMARKS:

DIRECTOR _____

NYSDOH B# 10320

Grumman Corporation

Bethpage, New York 11714-3580

LIQUID FILTER

June 4, 1996
ETC96-177

Attention: Brian Campbell
New York State Department of Environmental
Conservation
Building 40 - SUNY
Stony Brook, NY 11790-2356

Subject: **Spill Number 93-02825, Plant 24, Bethpage Facility**

Reference: NYSDEC Letter to J. Selva dated August 30, 1995 (Enclosed)

Enclosure: (1) EPA Method 8015 Analysis, Lab Report No. C961321/1
(2) EPA Method 602 Analysis, Lab Report No. C961321/2-rm 6784
(3) RCRA Metals Analysis, Lab Report No. C961321/2

Dear Mr. Campbell:

On April 4, 1996 a sample was taken from the groundwater monitoring well associated with the subject spill. The sample was analyzed for Modified EPA Method 8015 (for hydraulic oil), EPA Method 602 and RCRA Metals as requested by the referenced letter.

The results of the Modified EPA Method 8015 analysis were less than the established detectability limits for all parameters except Lubricating Oil that was detected at 300 ug/l. The results of the EPA Method 602 analysis were all less than the established detectability limits. The results of the RCRA Metals analysis were all less than their established detectability limits except for Cadmium at 0.002 mg/l, Lead at 0.001 mg/l and Mercury at 0.0003 mg/l.

We request your comments on the above ground water investigation. If you have any questions please contact me at 516/575-4680 or J. Selva at 516/575-8176.

Very truly yours

GRUMMAN AEROSPACE CORPORATION



John Cofman, Manager
Environmental Technology & Compliance
M/S: D08-001

bcc: E. Glod, G. Smith

J. Ingenito, J. Ohlmann, R. Pravednekow, J. Selva, P. Siegel

JGSks177(93-02825,PI124)

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

LAB NO. C961321/1

04/22/96

Grumman Aerospace Corporation
Mail Station D08-GHQ
Bethpage, NY 11714-3582

ATTN: John Selva

PO# 30-88997

SOURCE OF SAMPLE: Grumman-Bethpage, Plant #24, TOTAL
COLLECTED BY: Client DATE COL'D: 04/04/96 RECEIVED: 04/04/96

SAMPLE: Water sample, Well #1 (Phil W.), 08:00am

ANALYTICAL PARAMETERS

Diesel	ug/L	<10
#2 Fuel Oil	ug/L	<10
#4 Fuel Oil	ug/L	<10
#6 Fuel Oil	ug/L	<10
Lubricating Oil	ug/L	300*
Mineral Spirits	ug/L	<10
JP4	ug/L	<10
JP5	ug/L	<10
Jet A	ug/L	<10
Kerosene	ug/L	<10

ANALYTICAL PARAMETERS

cc: John Ohlmann. GAC

REMARKS: Analyses performed by Modified 8015 Method.
Diesel Range Organics.
*Sample contains low viscosity Lubricating Oil.DIRECTOR 

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6783

NYSDOH ID# 10320

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

LAB NO.C961321/1

04/22/96

Grumman Aerospace Corporation
Mail Station D08-GHQ
Bethpage, NY 11714-3582

ATTN: John Selva

PO# 30-88997

SOURCE OF SAMPLE: Grumman-Bethpage, Plant #24, TOTAL
COLLECTED BY: Client DATE COL'D:04/04/96 RECEIVED:04/04/96

SAMPLE: Water sample, Well #1 (Phil W.), 08:00am

ANALYTICAL PARAMETERS

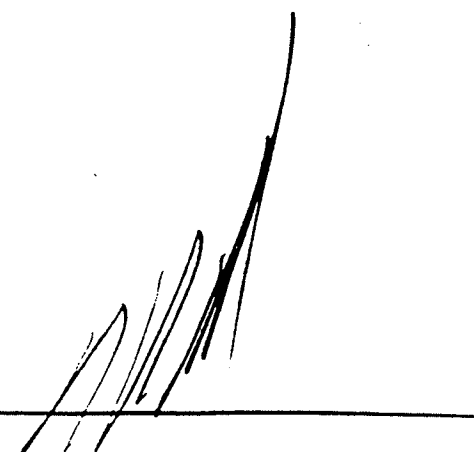
Benzene	ug/L	<1
Toluene	ug/L	<1
Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1

ANALYTICAL PARAMETERS

cc:John Ohlmann, GAC

REMARKS:

DIRECTOR



rn=

6784

NYSDOH ID# 10320

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

LAB NO. C961321/2

04/22/96

Grumman Aerospace Corporation
Mail Station D08-GHQ
Bethpage, NY 11714-3582

ATTN: John Selva

PO# 30-88997

SOURCE OF SAMPLE: Grumman-Bethpage, Plant #24, FILTERED*
COLLECTED BY: Client DATE COL'D: 04/04/96 RECEIVED: 04/04/96

SAMPLE: Water sample, Well #1 (Phil W.), 08:00am

ANALYTICAL PARAMETERS

Arsenic as As	mg/L	<0.002
Barium as Ba	mg/L	<0.05
Cadmium as Cd	mg/L	0.002
Chromium as Cr	mg/L	<0.02
Lead as Pb	mg/L	0.001
Mercury as Hg	mg/L	0.0003
Selenium as Se	mg/L	<0.002
Silver as Ag	mg/L	<0.01

ANALYTICAL PARAMETERS

cc: John Ohlmann, GAC

REMARKS: * Sample was filtered by client in the field.

DIRECTOR 

rn=

6785

NYSDOH ID# 10320