

Service, Responsibility
and Integrity.

F.CRR.UST

24.00CS



RAVENNA ARSENAL, INC.
8451 STATE ROUTE 5, RAVENNA, OHIO 44266-9297
TELEPHONE: (216) 358-7111 • FAX: (216) 297-3216

September 30, 1993

THRU: Contracting Officer's Representative
Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266-9297

TO: Release Prevention Manager
Bureau of Underground Storage Tank Regulations
8895 East Main Street
Post Office Box 687
Reynoldsburg, Ohio 43068-0687

Subject: Closure of Registered USTs, Incident Numbers 679298-11
and 679298-12
(REFERENCE: RAI Letter Dated 03/03/93)

Dear Sir:

Enclosed you will find a formal closure report for the removal and closure of two underground storage tanks at Ravenna Army Ammunition Plant. A copy of the removal permit issued by BUSTR for this closure is also enclosed.

Due to the dissolution of Ravenna Arsenal, Inc., all questions or further information you may require should be directed to Robert J. Kasper, Ravenna Army Ammunition Plant, 8451 State Route 5, Ravenna, Ohio 44266-9297, telephone (216) 297-3124.

Sincerely,

RAVENNA ARSENAL, INC.

H.R. Cooper
Engineering Manager

:SMC/bk

c: Environmental File

Final

CLOSURE REPORT

FOR

RAVENNA ARMY AMMUNITION PLANT

8451 State Route 5

Ravenna, Ohio 44266-9297

Portage County

(216) 297-3124

Submitted To:

Ms. Susan McCauslin

RAVENNA ARSENAL INC.

(216) 297-3220

Prepared By:

AUTUMN TECHNICAL SERVICES, INC.

518 Perkins-Jones Road

Warren, Ohio 44483

(216) 372-5002

September 29, 1993

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DESCRIPTION OF FACILITY

The four (4) tanks permanently removed were from the following location:

RAVENNA ARMY AMMUNITION PLANT
8451 State Route 5
Ravenna, Ohio 44266-9297
Portage County
(216) 297-3124

The U.S. Army is the underground storage tanks (UST's) Owner and Operator. The facility is an inactive army facility. The two (2) twenty thousand (20,000) gallon #6 fuel oil tanks were removed from near Powerhouse #6. The one (1) five thousand (5,000) gallon #2 fuel oil tank was removed from near Building T250/LL12. The one (1) one thousand (1,000) gallon #2 fuel oil tank was removed from near Building FE22-LL12.

NOTICE TO REMOVE

On March 3, 1993, notification to remove the Ravenna Army Ammunition Plant's tanks was directed to:

State Fire Marshal's Office
Inspection Bureau
8895 East Main Street
Reynoldsburg, OH 43068

Notification was directed to the local fire department:

Ravenna Arsenal, Inc.
8451 State Route 5
Ravenna, Ohio 44266

A Permit was issued by the Bureau of Underground Storage Tank Regulations (B.U.S.T.R.) for the removal and permanent closure of four (4) underground storage tanks at the Ravenna Army Ammunition Plant.

TANK DATA

The two (2), twenty thousand (20,000) gallon steel #6 fuel oil tanks were installed in May of 1974. The one (1), five thousand (5,000) gallon #2 fuel oil tank was installed in November of 1981. The one (1), one thousand (1,000) gallon steel #2 fuel oil tank was installed in June of 1941.

<u>Tank Registration</u>	<u>Removal Date</u>	<u>Capacity</u>	<u>Construction</u>	<u>Product</u>	<u>Location</u>
66	07/14/93	20,000 gallon	Steel	#6 fuel oil	Powerhouse #6
67	07/14/93	20,000 gallon	Steel	#6 fuel oil	Powerhouse #6
73	07/14/93	5,000 gallon	Steel	#2 fuel oil	Bldg. T250-LL12
29	08/02/93	1,000 gallon	Steel	#2 fuel oil	Bldg. FE22-LL12

Tank numbers 66 and 67 were last used in May of 1993. Tank numbers 73 and 29 were last used in January of 1992. The tanks were used by the Owner only.

TANK REMOVAL

On June 13, 1993 Autumn Technical Services, Inc. began preparing the two (2), twenty thousand (20,000) gallon tanks for removal.

The tops of the tanks were uncovered to determine their exact location and orientation.

Next, the tanks were checked for their potential for explosion through the use of an Industrial Scientific CMX 271 Multimeter calibrated with a .35% (25% Lower Explosive Limit [LEL]) pentane standard. The percent LEL in the tank was determined to be < 5%.

At this point, the piping leading from the building to the tanks was disconnected at the building and at the tank and both ends were plugged. The piping was cut up and placed on a piece of polyethylene sheeting.

At this point, some excavation around the two (2) tanks was performed and the tanks were prepared for removal.

Ms. Virginia Canakamp of the Bureau of Underground Storage Tank Regulations (B.U.S.T.R.) Northeast Field Office (N.E.F.O.) was on site to view the removals. The LEL was retested and found to still be less than 5%.

The tanks were then removed and placed on a piece of polyethylene sheeting along with their piping. Finally, all backfill was removed and a one foot (1') additional overexcavation around the tanks were completed. All soil/backfill removed during the excavation was placed on a separate piece of polyethylene sheeting.

Upon completion of all excavation activities, samples were ready to be collected. Split samples were to be collected in the following manner:

- A) Samples would be collected from each end of the tank excavation. If the tank is longer than 35 feet, an additional sample shall be collected from under the middle of the tank.
- B) Samples would be collected from every 20' of the tank's associated piping. If the piping run is less than 20' in length, no sample is required.
- C) A sample would be collected from underneath each dispensing unit. If the dispensing unit is located directly above the tank, no sample is required.
- D) A sample would be collected from below any remote fill pipe area located more than ten feet from the tank cavity excavation.
- E) A sample would be collected from any area that was visibly stained or contained a high PID reading.

An MSA Photon Gas Detector calibrated with a 98 ppm isobutylene standard was used to check the excavation to determine if any area contained a high PID (Photoionization Detector) reading, measured in ppm (parts per million) within the excavation limits.

A total of four (4) samples were collected for closure reporting. One was collected from underneath each end of each tank. PID readings and sample locations can be seen later in this report. Analytical results can be seen in the section entitled, Sample Results.

Next the five thousand (5,000) gallon #2 fuel oil tank (Tank #73) was readied for removal. The top of the tank was uncovered to determine its exact location and orientation.

The tank was then checked for the potential for explosiveness through the use of an Industrial Scientific CMX 271 Multimeter calibrated with a .35% (25% LEL) pentane standard. The percent LEL was determined to be < 5%.

At this point, some excavation around the tank and its piping was performed. The piping was disconnected from the tank and the building and both ends were capped. The piping was placed on a piece of polyethylene sheeting.

Ms. Virginia Canakamp of B.U.S.T.R.-N.E.F.O. was on site to view the removal. The LEL was retested and found to still be less than 5%.

The tank was then removed and placed on the piece of polyethylene sheeting along with its piping. Finally, all backfill was removed and a one foot (1') additional overexcavation around the tank was completed. All soil/backfill removed during the excavation was placed on a separate piece of polyethylene sheeting.

Upon completion of all excavation activities, samples were ready to be collected. Split samples were to be collected in the following manner.

- A) Samples would be collected from each end of the tank excavation. If the tank is longer than 35 feet, an additional sample shall be collected from under the middle of the tank.
- B) Samples would be collected from every 20' of the tank's associated piping. If the piping run is less than 20' in length, no sample is required.
- C) A sample would be collected from underneath each dispensing unit. If the dispensing unit is located directly above the tank, no sample is required.
- D) A sample would be collected from below any remote fill pipe area located more than ten feet from the tank cavity excavation.
- E) A sample would be collected from any area that was visibly stained or contained a high PID reading.

An MSA Photon Gas Detector calibrated with a 98 ppm isobutylene standard was used to check the excavation to determine if any area contained a high PID (Photoionization Detector) reading, measured in ppm (parts per million) within the excavation limits.

A total of two (2) samples were collected for the closure reporting. One sample was collected from underneath each end of the tank. PID readings and sample locations can be seen later in this report. Analytical results can be seen in the section entitled, Sample Results.

On August 2, 1993, Tank #29, the one thousand (1,000) gallon #2 fuel oil tank was prepared for removal.

The top of the tank was uncovered to determine its exact location and orientation.

Next, the tank was checked for explosiveness through the use of an Industrial Scientific CMX 271 Multimeter calibrated with a .35% (25% LEL) pentane standard. The LEL was determined to be less than 5%.

At this point, some excavation around the tank and its piping was completed. The piping was disconnected at the tank and the building and both ends were capped.

The tank was ready to be removed. Ms. Virginia Canakamp of B.U.S.T.R.-N.E.F.O. was on site to view the removal. The LEL was retested and found to still be < 5%.

The tank was then removed and placed on a piece of polyethylene sheeting along with its piping.

The tank was then removed and placed on the piece of polyethylene sheeting along with its piping. Finally, all backfill was removed and a one foot (1') additional overexcavation around the tank was completed. All soil/backfill removed during the excavation was placed on a separate piece of polyethylene sheeting.

Upon completion of all excavation activities, samples were ready to be collected. Split samples were to be collected in the following manner.

- A) Samples would be collected from each end of the tank excavation. If the tank is longer than 35 feet, an additional sample shall be collected from under the middle of the tank.
- B) Samples would be collected from every 20' of the tank's associated piping. If the piping run is less than 20' in length, no sample is required.
- C) A sample would be collected from underneath each dispensing unit. If the dispensing unit is located directly above the tank, no sample is required.
- D) A sample would be collected from below any remote fill pipe area located more than ten feet from the tank cavity excavation.
- E) A sample would be collected from any area that was visibly stained or contained a high PID reading.

An MSA Photon Gas Detector calibrated with a 98 ppm isobutylene standard was used to check the excavation to determine if any area contained a high PID (Photoionization Detector) reading, measured in ppm (parts per million) within the excavation limits.

A total of two (2) samples were collected for closure reporting. One (1) sample was collected from underneath each end of the tank. PID readings and sample locations can be seen later in this report. Analytical results can be seen in the section entitled, Sample Results.

VISUAL SITE EVALUATION

During excavation activities, the predominant soil substratum evident in all three (3) excavations was a silt/clayey sand mix.

Upon removal of Tanks #66 and #67, the excavation remaining appeared to be clean and showed no visible signs of contamination.

After the removal of Tank #73, the excavation appeared to be clean and showed no visible signs of contamination.

After the removal of Tank #29, the excavation appeared to be clean and showed no visible signs of contamination.

SAMPLE COLLECTION PROCEDURES

All soil samples were collected with a stainless steel core sampler, with a hammer type drive. The core sampler was decontaminated prior to and between each use in the following manner:

- A. The core sampler was rinsed with distilled water.
- B. The core sampler was then scrubbed with a soft bristled brush and non-phosphate detergent (i.e., Alconox).
- C. The core sampler was again rinsed with distilled water.
- D. The core sampler was dried with a lint-free cloth rag to remove excess moisture.

Once the samples were collected, they were placed in 16 oz. wide mouth glass jars. The samples were placed in the jar in a manner to obtain zero headspace upon sealing. Screw on teflon lids were then placed on the jars. They were then placed on ice and preserved at 4° C prior to delivery to the lab.

Sample labels and a chains of custody were filled out for the samples. Information on each included project name and number, collector's name and signature, time and date of sampling, sample I.D. #, sample matrix, analyses to be performed, names and dates to whom and when samples were relinquished and preservation techniques. Sample Nos. ATS-833, ATS-834, ATS-835, ATS-836 were collected by Victor Thompson. Sample Nos. ATS-835 through ATS-838 were collected by Barney Brown. Sample No. ATS-856 was collected by Mike Maraczi. All persons collecting samples are employees of Autumn Technical Services, Inc.

SAMPLE RESULTS

Analysis	ATS-833	ATS-834	ATS-845	ATS-846
TPH (Method 418.1) Detection Limit 10 ppm	69	15	88	197
BTEX (Method 8020) Detection Limit .20 ppm				
Benzene	ND	ND	--	ND
Toluene	ND	ND	--	ND
Ethyl Benzene	ND	ND	--	ND
Xylene	ND	ND	--	ND
PNAH's (Method 8100) Detection Limit - 2.0 ppm				
Acenaphthene	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND
Benzo (A) Anthracene	ND	ND	ND	ND
Benzo (A) Pyrene	ND	ND	ND	ND
Benzo (B) Fluoranthene	ND	ND	ND	ND
Benzo (GHI) Perylene	ND	ND	ND	ND
Benzo (K) Fluoranthene	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND
Flourene	ND	ND	ND	ND
Napthalene	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND
Indeno (1,2,3-CD) Pyrene	ND	ND	ND	ND
Dibenzo(A,H)Anthracene	ND	ND	ND	ND

ND = Non-Detect

*Detection Limit .50 ppm for PNAH's Method 8100

Samples ATS-835 through ATS-838 and ATS-856 were required to be analyzed for TPH only. Their results are as follows:

ATS-835 - 40 ppm ATS-836 - 2 ppm
ATS-837 - 36 ppm ATS-838 - 858 ppm
ATS-856 - 8 ppm

INITIAL SAMPLE LOCATIONS, DEPTHS AND PID READINGS

<u>Sample#</u> <u>ATS-</u>	<u>Location</u>	<u>Collection</u> <u>Date</u>	<u>Sample</u> <u>Depth</u>	<u>PID (ppm)</u>
833	Tank #73 East End	07/14/93	9.5'	41
834	Tank #73 West End	07/14/93	9.5'	8
835	Tank #67 Southwest End	07/14/93	13.5'	28
836	Tank #67 Southeast End	07/14/93	13.5'	10
837	Tank #66 Northwest End	07/14/93	13.5'	25
838	Tank #66 Northeast End	07/14/93	13.5'	327
845	Tank #29 North End	08/02/93	7.5'	53
846	Tank #29 South End	08/02/93	7.5'	94
860	Tank #66 Northeast End	08/27/93	16.5'	0

Closure analyses required for the two (2) #2 fuel oil tanks
(ATS-833, ATS-834, ATS-845 and ATS-846)

PNAH's (Polynuclear Aromatic Hydrocarbons)	Method 8100
TPH (Total Petroleum Hydrocarbons)	Method 418.1
BTEX (Benzene, Toluene, Ethyl Benzene, Xylene)	Method 8020

Closure analyses required for the two (2) #6 fuel oil tanks
(ATS-835 through ATS-838 and ATS-860)

TPH (Total Petroleum Hydrocarbons)	Method 418.1
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Laboratory used on this project was:

DeYor Laboratories, Inc.
7655 Market Street
Youngstown, Ohio 44512
(216) 758-5788
Albert F. Vicinie, Supervisor - Industrial Lab

REMEDIAL EFFORT

There was approximately 50 cubic yards of material that was excavated and stockpiled during the removal of the four (4) tanks.

Nearly all material that was excavated was placed back into the excavation to be used as backfill. There was approximately ten tons from Tank #66 that was removed and disposed.

DISPOSAL OF CONTAMINATED SOIL

There was approximately ten tons of contaminated soil from the northeast corner of Tank #66 that was disposed of at BFI, Poland, Ohio.

DISPOSAL OF CONTAMINATED LIQUID/SLUDGE

Any liquid and/or sludge removed from the tanks along with other tanks (UST and AST) associated with the property was bulked into a roll-off box and solidified with kiln dust. A sample (ATS-858) was collected and analyzed for the following parameters:

RCI (Reactivity, Corrosivity, Ignitability)
TCLP Metals (Plus Cu and Ni), TPH, BTEX
TCLP Volatiles, TCLP Semi-Volatiles

Approval for this material was granted September 27, 1993 and the material was scheduled to be disposed of on September 30, 1993.

DISPOSAL OF THE TANKS

Upon cleaning and removal of the tanks, their ends were cut out rendering the tanks out of service. They were then taken to Warren Scrap for recycling.

REVIEW AND CONCLUSIONS

Tank Nos. 66 and 67 had a cumulative score of 60 on the Site Feature Scoring System (SFSS).

Tank Nos. 29 and 73 each had a score of 65 on the SFSS.

Therefore, all four (4) tanks fall into Category 3 for SFSS action levels.

Tank Nos. 66 and 67 were #2 fuel oil tanks and therefore fall into Analytical Group 4. Tank Nos. 29 and 73 were both #2 fuel oil and therefore fall into Analytical Group 2. The action levels are the same for both, however. TPH of 904 ppm, Benzene at .335 ppm, Toluene at 9 ppm, Ethyl Benzene at 14 ppm and Xylene at 67 ppm.

The two (2) #6 fuel oil tanks (Tank Nos. 66 and 67) were required to be tested for TPH (by Method 418.1) only. Their results (ATS-835 through ATS-838 and ATS-856) as seen in Exhibit A, were all below 904 ppm, the highest being a result of 858 ppm. Sample ATS-838 had a TPH result of 858 which is near the action level; therefore, approximately 2' of material was excavated from this corner of the tank cavity and disposed of at BFI, Poland, Ohio. Therefore, it is suggested no further action be required at this site.

The two (2) #2 fuel oil tanks (Tank Nos. 73 and 29) were analyzed for TPH, BTEX and PNAH's. The BTEX and PNAH results were non-detect for all four (4) samples (ATS-833, ATS-834, ATS-845 and ATS-846). The TPH results were all well below the action level of 904 ppm.

EXHIBIT A

SAMPLE RESULTS
AND
CHAINS-OF-CUSTODY

NAME

ATB-833 TANK#73 EAST END SOIL

SPECIMEN I.D. NUMBER

93606419

ACCESSION NO.

93606419

COLLECTION DATE

07/14/93

COLLECTION TIME

13:10

RECEIVED

07/26/93

PATIENT I.D. NUMBER LOCATION

6419 00000

08/02/93

AUTUMN INDUSTRIES

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

NORMAL

ABNORMAL

INDUSTRIAL RUSH FEE

8-2-93

B-E-T-X

METHOD NUMBER

8020

QUANTITATION LIMIT

0.005

PPM

BENZENE

ND

TOLUENE

ND

ETHYLBENZENE

ND

XYLENE

ND

LABORATORY ANALYST

BHM LABORATORIES

TOT. PETRO. HYDROCARB.

A.I.H.A. ACCREDITED LABORATORY (# 365).

69

PPM

ANALYSIS PERFORMED USING USEPA METHODS 9071/418.1

POLYAROMATIC HYDROCA

METHOD NUMBER

8100

QUANTITATION LIMIT

1.0

PPM

ACENAPHTHENE

ND

ACENAPHTHYLENE

ND

ANTHRACENE

ND

BENZO(A) ANTHRACENE

ND

BENZO(A) PYRENE

ND

BENZO(B) FLUORANTHENE

ND

BENZO(GHI) PERYLENE

ND

BENZO(K) FLUORANTHENE

ND

CHRYSENE

ND

FLUORANTHENE

ND

FLUORENE

ND

NAPHTHALENE

ND

PHENANTHRENE

ND

PYRENE

ND

INDENO(1,2,3-CD)PYR

ND

DIBENZ(A,H) ANTHRACEN

ND

--- DIRECTORS ---

Patrick K. Jaynes Ph.D.

Anthony Nasrallah Ph.D.

AUTUMN INDUSTRIES

518 PERKINS-JONES ROAD

WARREN

OH 44483

DEYOR
Laboratories

7655 Market Street, Suite 2500

Youngstown, Ohio 44512

(216) 758-5788

(800) 365-8396

NAME

SPECIMEN ID. NUMBER

ACCESSION NO.

ATS-834 TANK#73 WEST END SOIL

93606420

93 606420

COLLECTION DATE

COLLECTION TIME

RECEIVED

07/14/93

13:20

07/26/93

CLIENT I.D. NUMBER LOCATION

REPORTED

AUTUMN INDUSTRIES

6420

00000

08/02/93

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

NORMAL

ABNORMAL

INDUSTRIAL RUSH FEE

8-2-93

B-E-T-X

METHOD NUMBER

8020

QUANTITATION LIMIT

0.005

PPM

BENZENE

ND

TOLUENE

ND

ETHYLBENZENE

ND

XYLENE

ND

LABORATORY ANALYST

BHM LABORATORIES

TOT. PETRO. HYDROCARB.

A.I.H.A. ACCREDITED LABORATORY (# 365).

15

PPM

ANALYSIS

PERFORMED USING USEPA METHODS 9071/418.1

POLYAROMATIC HYDROCA

METHOD NUMBER

8100

QUANTITATION LIMIT

1.0

PPM

ACENAPHTHENE

ND

ACENAPHTHYLENE

ND

ANTHRACENE

ND

BENZO(A)ANTHRACENE

ND

BENZO(A)PYRENE

ND

BENZO(B)FLUORANTHENE

ND

BENZO(GHI)PERYLENE

ND

BENZO(K)FLUORANTHENE

ND

CHRYSENE

ND

FLUORANTHENE

ND

FLUORENE

ND

NAPHTHALENE

ND

PHENANTHRENE

ND

PYRENE

ND

INDENO(1,2,3-CD)PYR

ND

DIBENZ(A,H)ANTHRACEN

ND

--- DIRECTORS ---

Patrick K. Jaynes Ph.D.

Anthony Nasrallah Ph.D.

DEYOR
Laboratories

AUTUMN INDUSTRIES
512 PERKINS-JONES ROAD

WARREN

OH 44483

7655 Market Street, Suite 2500

Cincinnati, Ohio 45212

(513) 758-0788

(800) 365-3396

NAME

ATS-838 TANK #67 SEW-END S.W.

SPECIMEN ID NUMBER

93606424

ACCESSION NO.

93606424

COLLECTION DATE

07/14/73

COLLECTION TIME

14:45

RECEIVED

07/26/73

CLIENT ID NUMBER (LOCATION)

4424

00070

REPORTED

07/28/73

AUTUMN INDUSTRIES

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

NORMAL

ABNORMAL

TOT. PETRO. HYDROCARB.

40

PPM

ANALYSIS PERFORMED USING USEPA METHODS 9071/418.1

--- DIRECTORS ---

Patrick K. Jaynes Ph.D.
Anthony Nasrallah Ph.D.

AUTUMN INDUSTRIES
518 PERKINS-JONES ROAD

WARREN OH 44483



755 Market Street, Suite 2500
Youngstown, Ohio 44512
216-758-0788
(800) 665-2456

NAME

ATS-837 TANK#67 S.E. END

SPECIMEN ID NUMBER

73606423

ACCESSION NO.

73606423

COLLECTION DATE

07/14/93

COLLECTION TIME

14:30

RECEIVED

07/26/93

CLIENT ID NUMBER LOCATION

5423 00000

REPORTED

07/28/93

AUTUMN INDUSTRIES

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

TOT. PETRO. HYDROCARB.

NORMAL

ABNORMAL

22

PPM

ANALYSIS

PERFORMED USING USEPA METHODS 9071/418.1

--- DIRECTORS ---

Patrick K. Jaynes Ph.D.

Anthony Nasrallah Ph.D.

AUTUMN INDUSTRIES

518 PERKINS-JONES ROAD

WARREN

OH

44483



756 Market Street, Suite 2500

Youngstown, Ohio 44612

2161-758-6708

800-365-8896

NAME

ATS-836 TANK#66 N.W.END SULL

SPECIMEN I.D. NUMBER

93606422

ACCESSION NO.

93606422

COLLECTION DATE

07/14/93

COLLECTION TIME

14:10

RECEIVED

07/26/93

CLIENT ID NUMBER LOCATION

6422

00000

REPORTED

07/28/93

AUTUMN INDUSTRIES

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

TOT. PETRO. HYDROCARB.

NORMAL

ABNORMAL

36

FPM

ANALYSIS

PERFORMED

USING USEPA METHODS 9071/418.1

--- DIRECTORS ---

Patrick K. Jaynes Ph.D.
Anthony Nasrallah Ph.D.

AUTUMN INDUSTRIES
518 PERKINS-JONES ROAD

WARREN

OH 44483



7055 Market Street, Suite 2500

Columbus, Ohio 43212

(614) 758-5788

(800) 365-3395

NAME

ATS-835 TANK#66 N.E. END S.D.

SPECIMEN ID NUMBER

93606421

ACCESSION NO.

93 606421

COLLECTION DATE

07/14/93

COLLECTION TIME

13:00

RECEIVED

07/26/93

CLIENT ID NUMBER/LOCATION

6421

0000

REPORTED

07/28/93

AUTUMN INDUSTRIES

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

NORMAL

ABNORMAL

TOT. PETRO. HYDROCARB.

858

PPM

ANALYSIS PERFORMED USING USEPA METHODS 9071/418.1

--- DIRECTORS ---

Patrick K. Jaynes Ph.D.
Anthony Masnallah Ph.D.



755 Market Street, Suite 2500
Columbus, Ohio 43122
614-758-6788
800-365-8395

AUTUMN INDUSTRIES
518 PERKINS-JONES ROAD

WARREN OH 44483

Chain of Custody Record



DeYor Laboratories, Inc. (216) 758-5788
 7655 Market Street, Suite 2500
 Youngstown, Ohio 44512

REFERRING CLIENT
AUTUMN INDUSTRIES
 518 PERKINS-JONES ROAD
 WARREN OH 44483

1416 216 372 5002

BILLING CONTROL NUMBER (FOR LAB USE ONLY) PROJECT # 30604 P.O.# 2762

SAMPLERS (Signature) Victor Thompson (833-834) PROJECT NAME Revenue Assess
Bairry Brian (835-838)

FOR LAB USE ONLY ACC #	SAMPLE DESCRIPTION	DATE	TIME	COMP	GRAB	# OF CONT	ANALYSES REQUESTED
	ATS - 833 Soil Tank # 73 East End	7-14-93	13:10		X	1	BTEX (8020) TPH (418.1) PAH (8100)
	ATS - 834 Soil Tank # 73 West End	7-14-93	13:20		X	1	BTEX (8020) TPH (418.1) PAH (8100)
	ATS - 835 Soil Tank # 66 N. East End	7-14-93	14:00		X	1	TPH (418.1)
	ATS - 836 Soil Tank # 66 N. West End	7-14-93	14:10		X	1	TPH (418.1)
	ATS - 837 Soil Tank # 67 S. East End	7-14-93	14:30		X	1	TPH (418.1)
	ATS - 838 Soil Tank # 67 S. West End	7-14-93	14:45		X	1	TPH (418.1)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Received for Laboratory by: (Signature)	Date/Time
<u>Bairry Brian / Victor Thompson</u>	<u>7/22/93 17:00</u>	<u>[Signature]</u>		
<u>[Signature]</u>	<u>7/24/93</u>	<u>Brian M. [Signature]</u>	Remarks	

NAME

ATS-215 TANK 29 NORTH END

SPECIMEN ID. NO. 935113

ACCESSION NO. 93-41317

COLLECTION DATE

03/02/73

COLLECTION TIME

06:00

CLIENT ID. (NUMBER/LOCATION)

10017

00000

RECEIVED

03/05/73

REPORTED

03/05/73

RAVENNA ARSENAL

TEST

RESULT

NORMAL

ABNORMAL

REFERENCE OR THERAPEUTIC RANGE

UNITS

B-E-T-X

METHOD NUMBER

8020

QUANTITATION LIMIT

0.005

PPM

BENZENE

ND

TOLUENE

ND

ETHYLBENZENE

ND

XYLENE

ND

LABORATORY ANALYST

BHM LABORATORY

A.I.H.A. ACCREDITED LABORATORY (# 365).

TOT. PETRO. HYDROCARB.

88

PPM

ANALYSIS PERFORMED USING USEPA METHODS 9071/418.1

POLYAROMATIC HYDROCA

METHOD NUMBER

8100

QUANTITATION LIMIT

0.50

PPM

ACENAPHTHENE

ND

ACENAPHTHYLENE

ND

ANTHRACENE

ND

BENZO (A) ANTHRACENE

ND

BENZO (A) PYRENE

ND

BENZO (B) FLUORANTHENE

ND

BENZO (GHI) PERYLENE

ND

BENZO (K) FLUORANTHENE

ND

CHRYSENE

ND

FLUORANTHENE

ND

FLUORENE

ND

NAPHTHALENE

ND

PHENANTHRENE

ND

PYRENE

ND

INDENO (1,2,3-CD) PYR

ND

DIBENZ (A,H) ANTHRACEN

ND

--- DIRECTORS ---

Patrick K. Jaynes Ph.D.

Anthony Nasrallah Ph.D.

AUTUMN INDUSTRIES
518 PERKINS-JONES ROAD

WARREN

OH

44483

DEYOR
Laboratories

7650 Market Street, Suite 2500

Cincinnati, Ohio 45212

(616) 750-6748

(800) 465-2896

NAME

ATB-816 TANK #297 SOUTH END

SPECIMEN NUMBER

93611315

LABORATORY NO.

93 41318

COLLECTION DATE

08/02/93

COLLECTION TIME

00:00

RECEIVED

08/05/93

CLIENT ID NUMBER/LOCATION

1313

00000

REGISTERED

08/17/93

RAVENNA ARSENAL

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

NORMAL

ABNORMAL

B-E-T-X

METHOD NUMBER

8020

QUANTITATION LIMIT

0.005

PPM

BENZENE

ND

TOLUENE

ND

ETHYLBENZENE

ND

XYLENE

ND

LABORATORY ANALYST

BHM LABORATORY

ACCREDITED LABORATORY (# 365)

TOT. PETRO. HYDROCARB.

197

PPM

ANALYSIS PERFORMED USING USEPA METHODS 9071/418.1

POLYAROMATIC HYDROCA

METHOD NUMBER

8100

QUANTITATION LIMIT

0.50

PPM

ACENAPHTHENE

ND

ACENAPHTHYLENE

ND

ANTHRACENE

ND

BENZO(A)ANTHRACENE

ND

BENZO(A)PYRENE

ND

BENZO(B)FLUORANTHENE

ND

BENZO(GHI)PERYLENE

ND

BENZO(K)FLUORANTHENE

ND

CHRYSENE

ND

FLUORANTHENE

ND

FLUORENE

ND

NAPHTHALENE

ND

PHENANTHRENE

ND

PYRENE

ND

INDENO(1,2,3-CD)PYR

ND

DIBENZ(A,H)ANTHRACEN

ND

--- DIRECTORS ---

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755 Market Street, Suite 2500

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(513) 753-8788

(800) 865-8396

AUTUMN INDUSTRIES
518 FERKINS-JONES ROAD

WARREN

OH 44483

Chain of Custody Record



DeYor Laboratories Inc. (216) 758-5788
 7655 Market Street, Suite 2500
 Youngstown, Ohio 44512

REFERRING CLIENT
AUTUMN INDUSTRIES
 518 PERKINS-JONES ROAD
 WARREN OH 44483

1416 216 372 5002

BILLING CONTROL NUMBER (FOR LAB USE ONLY)

PROJECT #

30604

P.O.#

2787

SAMPLERS (Signature)

[Signature] (for Victor Thompson)

PROJECT NAME

RAVENNA ARSENAL

FOR LAB USE ONLY ACC #	SAMPLE DESCRIPTION	DATE	TIME	COMP	GRAB	# OF CONT.	ANALYSES REQUESTED
	ATS-845 Soil TANK #29 North End	8/2/93	11:30		X	1	BTEX (8020) TDH (418.1) PAH (8100)
	ATS-846 Soil TANK #29 South End	8/2/93	11:35		X	1	BTEX (8020) TDH (418.1) PAH (8100)
	TANK #29						

Relinquished by: (Signature) <i>[Signature]</i> (E. VT.)	Date/Time 8/4/93 8:00	Received by: (Signature) <i>[Signature]</i>	Received for Laboratory by: (Signature)	Date/Time
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 8/4/93 5:23	Received by: (Signature) <i>[Signature]</i>	Remarks	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		

NAME

ATS-856 TANK 66 NE CORNER

SPECIMEN NUMBER

93626353

ACCESSION NO.

93 626353

COLLECTION DATE

08/27/93

COLLECTION TIME

09:45

RECEIVED

08/30/93

REPORTED

09/07/93

CLIENT ID NUMBER (OPTION)

3453

00000

RAVENNA ARSENAL

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

NORMAL

ABNORMAL

TOT. PETRO. HYDROCARB.

PPM

ANALYSIS PERFORMED USING USEPA METHODS 9071/418.1

--- DIRECTORS ---

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Anthony Nasrallah Ph.D.



750 Market Street, Suite 2500

Cincinnati, Ohio 45212

616-261-7788

609-495-8495

AUTUMN INDUSTRIES
518 PERKINS-JONES ROAD

WARREN

OH 44483

NAME

ATS-850

RAVENNA ARSENAL

SPECIMEN ID NUMBER

93621819

ACCESSION NO

93 32 (819)

COLLECTION DATE

08/23/93

LABORATORY NUMBER

1319

COLLECTION TIME

00:00

RECEIVED

08/23/93

RECEIVED

08/13/93

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

NORMAL

ABNORMAL

TCLP EXTRACTION PROC

ZERO HEADSPACE EXTRT

TCLP METALS & BIAS %

FINAL PH=12.04

ARSENIC

<0.2

0.0

5.0

MG/L

Spike recovery

110

%

BARIUM

0.7

0.0

100.0

MG/L

Spike recovery

94

%

CADMIUM

<0.03

0.0

1.0

MG/L

Spike recovery

105

%

CHROMIUM

<0.3

0.0

5.0

MG/L

Spike recovery

126

%

SELENIUM

<0.02

0.0

1.0

MG/L

Spike recovery

89

%

MERCURY

<0.0002

0.0

0.2

MG/L

Spike recovery

94

%

LEAD

<0.2

0.0

5.0

MG/L

Spike recovery

105

%

SILVER

<0.05

0.0

5.0

MG/L

Spike recovery

98

%

TCLP SUPPL.METALS

NICKEL

0.25

MG/L

Spike recovery

105

%

COPPER

<0.08

MG/L

Spike recovery

111

%

TCLP VOA'S & BIAS %

METHOD NUMBER

8240

VINYL CHLORIDE

<0.10

0.0

0.2

MG/L

Spike recovery

64

%

1,1-DICHLOROETHYLENE

<0.10

0.0

0.7

MG/L

Spike recovery

82

%

METHYL ETHYL KETONE

<1.0

0.0

200

MG/L

Spike recovery

108

%

CHLOROFORM

<0.10

0.0

6.0

MG/L

Spike recovery

74

%

CARBON TETRACHLORIDE

<0.10

0.0

0.5

MG/L

Spike recovery

76

%

BENZENE

<0.10

0.0

0.5

MG/L

Spike recovery

76

%

--- DIRECTORS ---

Patrick K. Jaynes Ph.D.

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AUTUMN INDUSTRIES

518 PERKINS-JONES ROAD

WARREN

OH

44423

DEYOR
Laboratories

2500 Market Street, Suite 2500

Cincinnati, Ohio 45221

513-750-7388

800-625-2306

NAME

SPECIMEN ID NUMBER

ACCESSION NO.

ATS 8800

5382-119

03-22-1979

COLLECTION DATE

COLLECTION TIME

RECEIVED

LABORATORY

00-00

03-22-1979

RAMENNA ARBENNA

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

NORMAL

ABNORMAL

1,2-DICHLOROETHANE

<0.10

0.0

0.5

MG/L

Spike recovery

78

TRICHLOROETHYLENE

<0.10

0.0

0.5

MG/L

Spike recovery

100

TETRACHLOROETHYLENE

<0.10

0.0

0.7

MG/L

Spike recovery

73

CHLOROENZENE

<0.10

0.0

100.0

MG/L

Spike recovery

74

1,4-DICHLOROBENZENE

<0.10

0.0

7.5

MG/L

Spike recovery

61

TCLP BNA'S & BIAS %

METHOD NUMBER

8270

PYRIDINE

<0.10

0.0

5.0

MG/L

Spike recovery

66

o-CRESOL

<0.10

0.0

200

MG/L

Spike recovery

71

m-CRESOL

<0.10

0

200

MG/L

Spike recovery

62

p-CRESOL

<0.10

0.0

200

MG/L

Spike recovery

62

2,4-DINITROTOLUENE

<0.10

0.0

0.13

MG/L

Spike recovery

67

HEXACHLOROBTADIENE

<0.10

0.0

0.50

MG/L

Spike recovery

67

HEXACHLOROETHANE

<0.10

0.0

3.0

MG/L

Spike recovery

65

NITROBENZENE

<0.10

0.0

2.0

MG/L

Spike recovery

79

PENTACHLOROPHENOL

<0.10

0.0

100.

MG/L

Spike recovery

50

2,4,5-TRICHLOROPHEN

<0.10

0.0

400.

MG/L

Spike recovery

74

2,4,6-TRICHLOROPHEN

<0.10

0.0

2.0

MG/L

Spike recovery

74

HEXACHLOROENZENE

<0.10

0.0

0.13

MG/L

Spike recovery

118

REACTIVITY SCREEN

REACTIVE

CYANIDE

<2.0 PPM

REACTIVE

SULFIDE

<2.0 PPM

--- DIRECTORS ---

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518 PERKINS-JONES ROAD

WARREN

OH 44523

DEYOR
Laboratories

550 Market Street, Suite 2500

Youngstown, OH 44512

(616) 750-7788

(800) 363-8396

NAME

ATS-850

SPECIMEN ID NUMBER

93621319

ACCESSION NO

93 621819

COLLECTION DATE

08/23/93

COLLECTION TIME

00:00

RECEIVED

08/23/93

REPORTED

09/13/93

RAVENNA ARSENAL

TEST

RESULT

REFERENCE OR THERAPEUTIC RANGE

UNITS

NORMAL

ABNORMAL

CORROSIVITY SCREEN ASTM D5049 METHOD D/D4978 METHOD B

SAMPLE IS NONCORROSIVE WITH PH = 10.91
ASTM D4980 METHOD B/USEPA 9040

IGNITABILITY TEST SAMPLE HEATED TO 140F WITHOUT FLASH OR IGNITION.
ASTM D4982 METHOD B/ASTM D93

TOT. PETRO. HYDROCARB. 269500 PPM
ANALYSIS PERFORMED USING USEPA METHODS 9071/418.1

B-E-T-X	METHOD NUMBER	QUANTITATION LIMIT	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE	LABORATORY ANALYST
	8240	0.28	0.70	4.06	2.38	16.5	LORI VERBKA B.S.

TCLP REVIEW

A.I.H.A. ACCREDITED LABORATORY (# 365).

TCLP PREPARATION FOLLOWS METHOD 1311 SW-846 AS REVISED NOVEMBER 24, 1992 (57FR55114) REVIEWED BY ALBERT F. VICINIE III, LAB SUPERVISOR



--- DIRECTORS ---
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Anthony Nasrallah Ph.D.

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7557 Market Street, Suite 2500
Cincinnati, Ohio 45212
513-752-0700
800-365-3396

AUTUMN INDUSTRIES
518 PERKINS-JONES ROAD
WARREN OH 44483

Chain of Custody Record



DeYor Laboratories, Inc. (216) 758-5788
 7655 Market Street, Suite 2500
 Youngstown, Ohio 44512

REFERRING CLIENT
 AUTUMN INDUSTRIES
 518 PERKINS-JONES ROAD
 WARREN OH 44483

1416 216 372 5002

BILLING CONTROL NUMBER (FOR LAB USE ONLY)

PROJECT #

30604

P.O.#

2842

SAMPLERS (Signature)

Mike Marazj

PROJECT NAME

Rovenna Arsenal

FOR LAB USE ONLY
ACC #

SAMPLE DESCRIPTION

DATE

TIME

COMP

GRAB

OF
CONT

ANALYSES REQUESTED

ATS-850

8/23/93 3:00p

X 1

TCLP Metals + Cu + Ni (Meth 131)
 TPH, BTEX

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Received for Laboratory by: (Signature)

Date/Time

Mike Marazj

8/23/93 3:00p

Theresa Longhin

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Remarks

Theresa Longhin

8/23 4:40p

Bob M...

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Relinquished by: (Signature)

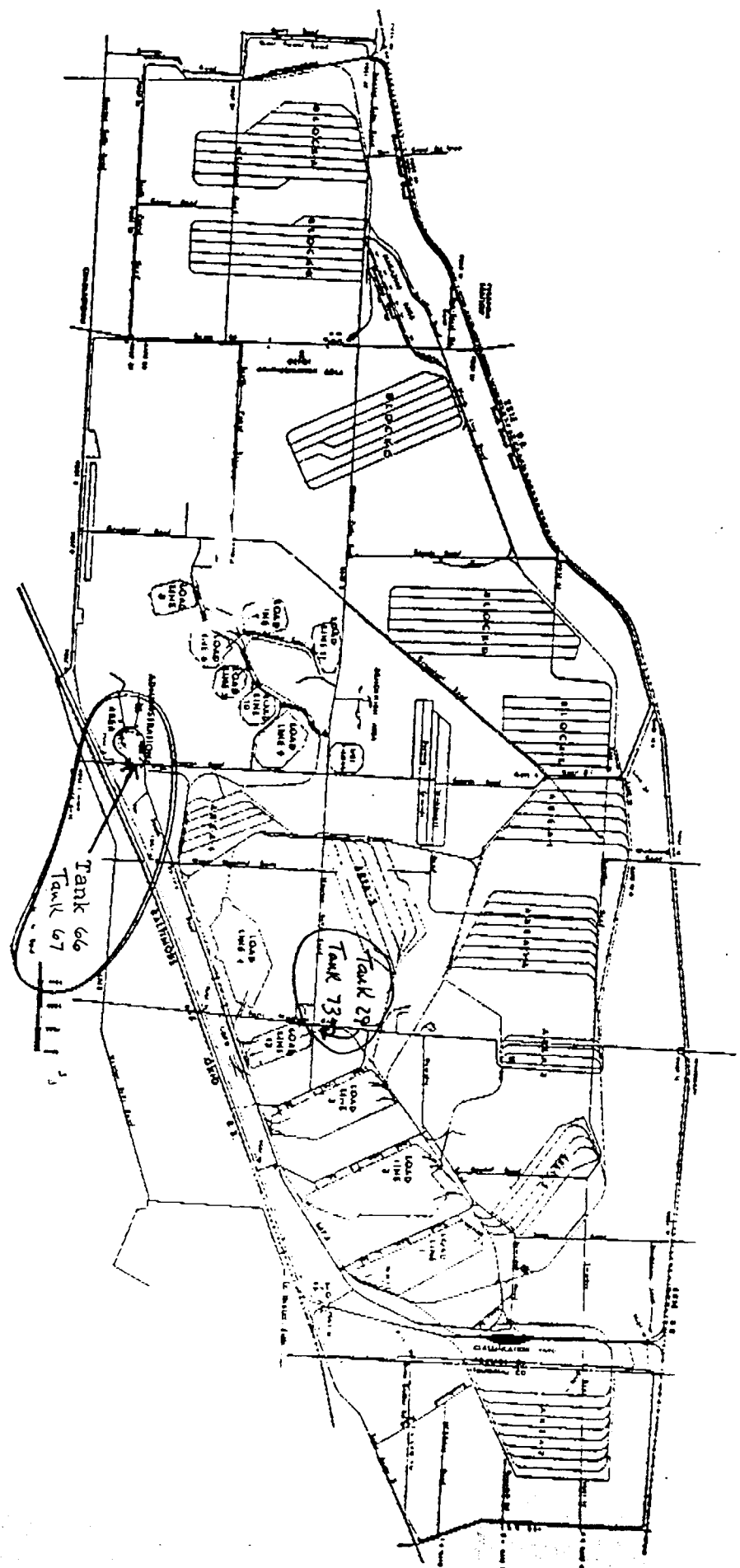
Date/Time

Received by: (Signature)

EXHIBIT B

SAMPLE LOCATION DIAGRAM

Non Regulated UST LOCATIONS



RAVENNA ARMY AMMUNITION PLANT	
APPROVED	DATE
DESIGNED BY	DATE
CHECKED BY	DATE
DATE	DATE
GENERAL AREA MAP	

EXHIBIT C

30-DAY NOTIFICATION
TANK REMOVAL PERMIT



RAVENNA ARSENAL, INC.
8451 STATE ROUTE 5, RAVENNA, OHIO 44266-9297
TELEPHONE: (216) 358-7111 • FAX: (216) 297-3216

March 3, 1993

THRU: Contracting Officer's Representative
Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266-9297

TO: State Fire Marshall
Inspection Bureau
8895 East Main Street
Reynoldsburg, Ohio 43068

Subject: Permit Application to Remove Four Underground Storage
Tanks

Dear Sir:

Attached is a permit application and fee for the removal of four underground heating oil tanks at Ravenna Army Ammunition Plant. The tanks to be removed are as follows:

One 1,000 gallon steel tank used for storing #2 Fuel Oil
One 5,000 gallon steel tank used for storing #2 Fuel Oil
Two 20,000 gallon steel tanks used for storing #6 Fuel Oil

Location and layout of these tanks are shown on the attached drawings. Once removed, the tanks will be rendered un reusable, cleaned, marked as scrap and sold as scrap by the tank removal contractor.

Please contact Susan M^cCauslin, Ravenna Arsenal, Inc., Environmental Engineer, at (216) 297-3220 if you have any questions or need further information. The Government point of contact is Robert J. Kasper, Commander's Representative, (216) 297-3124.

Sincerely,

A handwritten signature in cursive script, appearing to read "H.R. Cooper".

H.R. Cooper
Plant Engineer

:bp/UST.SM

c: N. Wulff

T. Chanda

File

TANK PERMIT APPLICATION/PERMIT

USE THIS APPLICATION ONLY IF LOCAL DEPARTMENT DOES NOT ISSUE PERMITS

INSTRUCTIONS: TYPE OR NEATLY PRINT ALL REQUESTED INFORMATION. ENCLOSE \$50.00 APPLICATION FEE FOR EACH TANK LOCATION PERMIT. CHECK OR MONEY ORDER SHALL BE MADE PAYABLE TO: STATE FIRE MARSHAL. APPLICATION WILL NOT BE PROCESSED WITHOUT ACCOMPANYING FEE. SEND TO: INSPECTION BUREAU, STATE FIRE MARSHAL, 8895 EAST MAIN STREET, REYNOLDSBURG, OHIO 43068.

1. TANK LOCATION:

Company Name Ravenna Army Ammunition Plant
Address: 8451 State Route 5
City Ravenna County Portage
Phone (216) 297-3124 Zip 44266
Contact Person Robert J. Kasper

2. OWNER INFORMATION

Name U.S. Army
Address: 8451 State Route 5
City Ravenna
State Ohio Zip 44266
Phone (216) 297-3124

3. LOCAL JURISDICTION (PLEASE CONTACT PRIOR TO SENDING THIS APPLICATION)

Fire Department: Ravenna Arsenal, Inc.
Address 8451 State Route 5
City: Ravenna Zip 44266 Phone 216-297-3222

4. CONTRACTOR INFORMATION:

Name Ravenna Arsenal, Inc.
Address 8451 State Route 5
City: Ravenna State Ohio Zip 44266
Contact Person Susan McCauslin Phone (216) 297-3220

5. DESCRIPTION OF WORK TO BE COMPLETED: ABOVE GROUND () BELOW GROUND (XX)

TANK CONTENTS No. 2 and No. 6 Heating Oil
DETAILS OF WORK TO BE COMPLETED Removal of four underground heating oil storage tanks piping and appurtenances. Drawings attached.

6. RETURN ALL CORRESPONDENCE TO (CHECK ONE OF ABOVE): #1() #2() #4(XX)

7. THE APPLICATION TO INSTALL, REMOVE, REPAIR OR ALTER ANY STATIONARY TANK FOR THE STORAGE OF FLAMMABLE OR COMBUSTIBLE LIQUIDS SHALL CONTAIN DESCRIPTION OF THE PROPOSED WORK AND SHALL INCLUDE TWO COPIES OF A DRAWING INDICATING LOCATION, USE, CAPACITY, DIKING AND DIKING CAPACITY, AND PIPING ARRANGEMENT OF ALL EXISTING AND PROPOSED TANKS LOCATED, OR TO BE LOCATED UPON THE PREMISES AND DISTANCES TO ALL ADJACENT BUILDINGS, PUBLIC WAYS, AND PROPERTY LINES. INFORMATION WHICH CONFIRMS THAT THE TANK DESIGN IS TESTED AND LISTED BY AN APPROVED TESTING LABORATORY FOR THE SPECIFIC USE OF THE TANK SHALL BE INCLUDED WITH THE APPLICATION.

8. INSPECTION DATE WILL BE SET BY THE STATE FIRE MARSHAL, UPON PROCESSING OF THE COMPLETED APPLICATION.

OFFICE USE ONLY

DATE PROCESSED _____ SEQ # _____ ID# _____
FEE _____ CHECK# _____ CHECK BY _____
COUNTY _____ DATE TO PLAN REVIEW _____
INSPECTOR _____ DATE TO INSPECTOR _____
SUPERVISOR _____ DATE OF INSPECTION _____

EXHIBIT D

SITE FEATURE SCORING SYSTEM

SITE FEATURE SCORING SYSTEM

All four (4) of the closed underground storage tank systems are over 1,000 feet from the closest potable water supply.

The average depth of ground water is not known.

The predominant soil type evident during excavation at all three locations was a clayey sand/silt mix.

Information pertaining to Tank #39 is as follows:

- 1) There is a basement or subsurface foundation within 100' of the underground storage tank system.
- 2) There is a sanitary sewer within 50' of the underground storage tank system.

Information pertaining to Tank #73 is as follows:

- 1) There is a storm sewer within 50' of the underground storage tank system.
- 2) There is a sanitary sewer within 50' of the underground storage tank system.

Information pertaining to Tank Nos. 66 and 67 is as follows:

- 1) There is a basement or subsurface foundation within 100' of the underground storage tank system.
- 2) There is a storm sewer within 50' of the underground storage tank system.
- 3) There is a buried electrical cable main within 50' of the underground storage system.

Based on the above information, Tank Nos. 29 and 73 have a SFSS score of 65 while Tank Nos. 66 and 67 have a SFSS score of 60.

SFM SITE FEATURE SCORING SYSTEM (SFSS) CHART
(USE "SFSS GUIDELINES" TO COMPLETE THIS CHART)

I. OWNERSHIP OF TANKS OWNER NO. 11595 U.S. ARMY 8451 STRT 5 RAVENNA, OH 44266 ROBERT J. KASPER 216-297-3124	II. LOCATION OF TANKS INCIDENT NO. 679298-01 FACILITY NO. 670501 RAVENNA ARMY AMMUNITION PLANT 8451 ST RT 5 PORTAGE COUNTY RAVENNA, OH 44266 TANK NO. 29
---	--

Site Features	COLUMN A		COLUMN B		COLUMN C		COLUMN D	
	Score 20	Enter Score	Score 15	Enter Score	Score 10	Enter Score	Score 5	Enter Score
1. Distance of UST system from closest potable-water supply source currently in use is:	> 1000 ft.	20	300-1000 ft		< 300 ft.		Inside of designated sensitive area	
2. Depth to groundwater is:	> 50 ft.		31-50 ft.		15-30 ft. or unknown	10	< 15 ft.	
3. Predominant soil type of substratum is:	Clay or shale		Silt or clayey sands or fine sandstone	15	Silty sand or fine sand, unknown, or sandstone		Clean sand, gravel, or conglomerate	
4. Natural and/or man-made conduits or receptors - See Worksheet Below	< 8	20	8-10		11-13		> 13	
Subtotals:								
TOTAL SCORE (SUBTOTALS)								65

SITE FEATURE 4 WORKSHEET:

Basements or subsurface foundations within 100 feet of UST system	4 points	4
Storm sewer within 50 feet of UST system	4 points	0
Sanitary sewer within 50 feet of UST system	4 points	4
Septic system leach field within 50 feet of UST system	2 points	0
Water line main within 50 feet of UST system	1 point	0
Natural Gas line main within 50 feet of UST system	1 point	0
Bedrock area prone to dissolution along joints of fractures within 100 feet of UST system	1 point	0
Faults or known fractures within 100 feet of UST system	1 point	0
Buried telephone/television cable main within 50 feet of UST system	1 point	0
Buried electrical cable main within 50 feet of UST system	1 point	0
TOTAL POINTS		8

SFSS ACTION LEVELS (PPM)

CONSTITUENT	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4
TOTAL SCORE	< 31	31-50	51-70	> 71
Soil BTEX	.006/4/6/28	.170/7/10/47	.335/9/14/67	.500/12/18/85
Groundwater BTEX	.005/1/.700/10	.005/1/.700/10	.005/1/700/10	.005/1/.700/10
Soil TPH (Gasoline)	105	300	450	600
Soil TPH (Others)	380	642	904	1156

SFM SITE FEATURE SCORING SYSTEM (SFSS) CHART
(USE "SFSS GUIDELINES" TO COMPLETE THIS CHART)

I. OWNERSHIP OF TANKS	II. LOCATION OF TANKS
OWNER NO. 11596 U.S. ARMY 8451 STRT 5 RAVENNA, OH 44266 ROBERT J. KASPER 216-297-3124	INCIDENT NO. 679298-01 FACILITY NO. 670501 RAVENNA ARMY AMMUNITION PLANT 8451 ST RT 5 PORTAGE COUNTY RAVENNA, OH 44266 TANK NO. 66 and 67

Site Features	COLUMN A		COLUMN B		COLUMN C		COLUMN D	
	Score 20	Enter Score	Score 15	Enter Score	Score 10	Enter Score	Score 5	Enter Score
1. Distance of UST system from closest potable-water supply source currently in use is:	> 1000 ft.	20	300-1000 ft		< 300 ft.		Inside of designated sensitive area	
2. Depth to groundwater is:	> 50 ft.		31-50 ft.		15-30 ft. or unknown	10	< 15 ft.	
3. Predominant soil type of substratum is:	Clay or shale		Silt or clayey sands or fine sandstone	15	Silty sand or fine sand, unknown, or sandstone		Clean sand, gravel, or conglomerate	
4. Natural and/or man-made conduits or receptors - See Worksheet Below	< 8		8-10	15	11-13		> 13	
Subtotals:								
TOTAL SCORE (SUBTOTALS)								60

SITE FEATURE 4 WORKSHEET:

Basements or subsurface foundations within 100 feet of UST system	4 points	4
Storm sewer within 50 feet of UST system	4 points	4
Sanitary sewer within 50 feet of UST system	4 points	0
Septic system leach field within 50 feet of UST system	2 points	0
Water line main within 50 feet of UST system	1 point	0
Natural Gas line main within 50 feet of UST system	1 point	0
Bedrock area prone to dissolution along joints of fractures within 100 feet of UST system	1 point	0
Faults or known fractures within 100 feet of UST system	1 point	0
Buried telephone/television cable main within 50 feet of UST system	1 point	0
Buried electrical cable main within 50 feet of UST system	1 point	1
TOTAL POINTS		9

SSFS ACTION LEVELS (PPM)

CONSTITUENT	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4
TOTAL SCORE	< 31	31-50	51-70	> 71
Soil BTEX	.006/4/6/28	.170/7/10/47	.335/9/14/67	.500/12/18/85
Groundwater BTEX	.005/1/.700/10	.005/1/.700/10	.005/1/700/10	.005/1/.700/10
Soil TPH (Gasoline)	105	300	450	600
Soil TPH (Others)	380	642	904	1156

SFM SITE FEATURE SCORING SYSTEM (SFSS) CHART
(USE "SFSS GUIDELINES" TO COMPLETE THIS CHART)

I. OWNERSHIP OF TANKS	II. LOCATION OF TANKS
OWNER NO. 11595 U.S. ARMY 8451 STRT 5 RAVENNA, OH 44266 ROBERT J. KASPER 216-297-3124	INCIDENT NO. 679298-01 FACILITY NO. 670501 RAVENNA ARMY AMMUNITION PLANT 8451 ST RT 5 PORTAGE COUNTY RAVENNA, OH 44266 TANK NO. 73

Site Features	COLUMN A		COLUMN B		COLUMN C		COLUMN D	
	Score 20	Enter Score	Score 15	Enter Score	Score 10	Enter Score	Score 5	Enter Score
1. Distance of UST system from closest potable-water supply source currently in use is:	> 1000 ft.	20	300-1000 ft		< 300 ft.		Inside of designated sensitive area	
2. Depth to groundwater is:	> 50 ft.		31-50 ft.		15-30 ft. or unknown	10	< 15 ft.	
3. Predominant soil type of substratum is:	Clay or shale		Silt or clayey sands or fine sandstone	15	Silty sand or fine sand, unknown, or sandstone		Clean sand, gravel, or conglomerate	
4. Natural and/or man-made conduits or receptors - See Worksheet Below	< 8	20	8-10		11-13		> 13	
Subtotals:								
TOTAL SCORE (SUBTOTALS)								65

SITE FEATURE 4 WORKSHEET:

Basements or subsurface foundations within 100 feet of UST system	4 points	0
Storm sewer within 50 feet of UST system	4 points	4
Sanitary sewer within 50 feet of UST system	4 points	4
Septic system leach field within 50 feet of UST system	2 points	0
Water line main within 50 feet of UST system	1 point	0
Natural Gas line main within 50 feet of UST system	1 point	0
Bedrock area prone to dissolution along joints of fractures within 100 feet of UST system	1 point	0
Faults or known fractures within 100 feet of UST system	1 point	0
Buried telephone/television cable main within 50 feet of UST system	1 point	0
Buried electrical cable main within 50 feet of UST system	1 point	0
TOTAL POINTS		8

SSFS ACTION LEVELS (PPM)

CONSTITUENT	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4
TOTAL SCORE	< 31	31-50	51-70	> 71
Soil BTEX	.006/4/6/28	.170/7/10/47	.335/9/14/67	.500/12/18/85
Groundwater BTEX	.005/1/.700/10	.005/1/.700/10	.005/1/700/10	.005/1/.700/10
Soil TPH (Gasoline)	105	300	450	600
Soil TPH (Others)	380	642	904	1156

SFM SITE FEATURE SCORING SYSTEM (SFSS) CHECKLIST

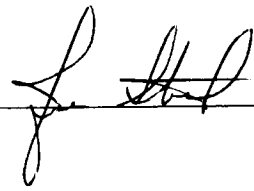
(SUBMIT TO SFM AS APPENDIX OR ADDENDUM TO CLOSURE REPORT)

I. OWNERSHIP OF TANKS	II. LOCATION OF TANKS
Owner No. 11595 U.S. Army 8451 State Route 5 Ravenna, OH 44266 Robert J. Kasper (216) 297-3124	Facility No. 670501 Ravenna Army Ammunition Plant 8451 State Route 5 Portage County Ravenna, OH 44266 Tank Nos. 66, 67, 73, 29

SFSS WRITTEN REPORT MUST INCLUDE THE FOLLOWING:

- | SFM USE | PAGE NO. | |
|---------|-------------|--|
| | <u>Ex D</u> | A. The completed "SFSS Chart". |
| | <u>Ex D</u> | B. Written report which must include justification for site features 1 through 4 which include the following: <ol style="list-style-type: none"> 1. Distance of UST system from closest potable-water supply source currently in use within 1/4 mile. 2. Average depth to groundwater. 3. Predominant soil type of substratum in UST excavation. 4. Natural and/or man-made conduits/receptors near closed UST system. |
| | <u>Pg 8</u> | C. Soil and/or groundwater analytical sample results in table format from closure report. |

NOTE: DEFICIENT "SFSS REPORTS AND CHARTS" SUBMITTED TO OUR OFFICE WILL BE RETURNED TO THE OWNER FOR COMPLETION. SEND THE "SFSS REPORT AND CHART" TO THE ADDRESS AS INDICATED ON THE ENCLOSED COVER LETTER.

Preparer Name: Joe Stock Signature:  Date: 9/29/93

Owner/Operator: _____ Signature: _____ Date: _____

BUREAU USE ONLY

Reviewed By: _____ Signature: _____ Date: _____

EXHIBIT E

CLOSURE REPORT CHECKLIST FORM

DIVISION OF STATE FIRE MARSHAL-BUREAU OF UNDERGROUND STORAGE TANK REGULATIONS

CLOSURE REPORT CHECKLIST FORM

OWNERSHIP OF TANKS	LOCATION OF TANKS
Owner No. 11595 U.S. Army 8451 State Route 5 Ravenna, OH 44266 Robert J. Kasper (216) 297-3124	Facility No. 670501 Ravenna Army Ammunition Plant 8451 State Route 5 Portage County Ravenna, OH 44266 Tank Nos. 66, 67, 73, 29

I. FILING INSTRUCTIONS

- A. In the column on the left side of the form, place either the page number or appendix designation where each item on the checklist can be found in the closure report or "N/A" (Not Applicable) for items that do not apply to your closure report. If "N/A" is indicated, you must also indicate the the page number accordingly.
- B. UST owner must sign where indicated on page 2 of this form and attach it to the Closure Report. Deficient closure reports submitted to our office will be returned to the UST owner for completion. Send the closure report checklist form and the closure report to the address as indicated on the enclosed cover letter.

NOTE: UST OWNER/OPERATORS SHALL SUBMIT ONE COPY OF THE WRITTEN CLOSURE REPORT WHICH SHALL BE RECEIVED BY THE STATE FIRE MARSHAL WITHIN 45 DAYS OF RECEIPT BY THE UST OWNER/OPERATOR OF SOIL AND/OR GROUNDWATER LABORATORY ANALYSIS BUT NOT LATER THAN 90 DAYS FROM THE DATE OF COLLECTING SOIL AND/OR GROUNDWATER SAMPLES.

II. UST SYSTEM OWNER, OPERATOR, AND FACILITY DATA

- 1 UST Owner (name; address; zip code; county; phone no.)
- 1 UST Operator (name; address; zip code; county; phone no.)
- 1 UST Facility Location (name; address; zip code; county; phone no.)
- 1 UST Facility Owner (name; address; zip code; county; phone no.)

III. UST SYSTEM DATA

- 2 UST System(s) Age (years)
- 2 UST(s) Capacity (gallons)
- 2 UST System(s) Construction (i.e., steel, fiberglass, etc.)
- 2 Date UST System(s) Last Used
- 2 Person(s) Who Last Used UST System
- 2 Substance(s) Stored in UST(s) both past and present (i.e. gasoline, diesel fuel, used oil, etc.)
- 1 UST System Use (i.e., retail sales, residential, farm, business, etc.)
- 2 UST(s) System Status (Permanently Removed or Abandoned-In-Place)
- 10 Disposal of UST(s) System

IV. WASTE DISPOSAL DATA

- 9/10 Method of Disposal and Final Location of Excavated Soil(s) and Backfill Materials
- 9 Amount of Soils and Backfill Excavated (cubic yards)
- 10 Disposal and final Location of any liquids from UST System or UST System Excavation
- 9 Locations of Soil Samples taken from Excavated Soil Waste Pile(s)
- Ex A Copies of Laboratory Data Sheets of Soil Samples taken from Excavated Soil(s) and Backfill Materials

V. SAMPLING DATA

(Groundwater sampling data only required if groundwater encountered during closure activities)

- 7 Soil and/or Groundwater Sample Collection Procedures
- 7 Type of Sample Containers and Sample Preservation Techniques Used for Soil and/or Groundwater Samples
- 7 Labeling Number or Designation of Soil and/or Groundwater Sample(s) Used
- 7 Type of Sampling Equipment Used (i.e., split spoon, shelby tube, etc.)
- 7 Decontamination Procedures of Sampling Equipment Used
- 6 Field Screening Methodology Used for each Soil and/or Groundwater Samples Obtained
- 6 Type of Field Screening Instrument Used
- 9 Listing of Field Screening Readings for each Soil and/or Groundwater Sample Obtained
- 6 Calibration Methodology Used for Field Screening Instrument
- 9 Locations and Depths of all Soil and/or Groundwater Samples Obtained
- Ex A Copy of Chain of Custody Documentation for Soil and/or Groundwater Samples submitted to Laboratory
- 7 Sample Collector(s) Name and Company Affiliation

VI. LABORATORY DATA

(Groundwater laboratory data only required if groundwater encountered during closure activities)

- Ex A Copies of Laboratory Sample Analysis Data Sheets for Soil and/or Groundwater Samples
- 9/Ex A Date Soil and/or Groundwater Samples Collected
- Ex A Date Soil and/or Groundwater Samples Received by Laboratory
- Ex A Date Soil and/or Groundwater Samples Analyzed by Laboratory and type of Matrix Analyzed (soil or water)
- 9/Ex A Name, Address, and Phone No. of Laboratory and name of Sample Analyst
- 9/Ex A Analytical Test Methods Used for Soil and/or Groundwater Samples
- 9/Ex A Detection/Quantitation Limits Used for Laboratory Test Methods
- N/A Laboratory Instrument Calibration used

VII. MISCELLANEOUS DATA

- Ex B Site Map Accurately Depicting Dimensions of Facility Property Boundaries, Above Ground Structures, adjacent street locations, and UST Systems (no. of tanks and product lines)
- Ex B Mapped Locations of Known Private Wells, Public Water Wells, or Monitoring Wells on Facility
- Ex B Mapped Locations of Any Utilities Exposed During UST System Excavation
- 7 Description of Native Soils Encountered During UST System Excavation (i.e., sands, gravels, clays, etc.)
- Ex B Mapped Depths and Locations of all Soil and/or groundwater Samples taken from Excavation
- 7 Visual Site Evaluation
- Ex B Mapped Locations of UST(s) Recently or Historically Removed, Abandoned-In-Place, or have undergone a Change in Service
- Ex B Mapped Locations of Other UST Still in Service
- Ex B Mapped Length of UST(s) and Product Line(s)
- Ex B Mapped Excavation Limits
- 2 Certified Fire Safety Inspector Name and Certificate Number
- 1 Local Fire Department (name; address; zip code; county; phone) with jurisdiction over UST site
- Ex C Copy of 30 Day Closure Notification and Closure Permit

UST(s) Owner Signature: _____ Date: _____

DIVISION USE ONLY

Reviewed By: _____ Date: _____

closure2



DEPARTMENT OF THE ARMY
RAVENNA ARMY AMMUNITION PLANT
8451 STATE ROUTE 5
RAVENNA, OHIO 44266-9297

REPLY TO
ATTENTION OF

October 3, 2002

Dave Biskner
Environmental Protection Specialist
Ohio Department of Commerce
Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
6606 Tussing Road
PO Box 687
Reynoldsburg, OH 43068-9009

Subject: Release #: 67000501-N00008; 67000501- N00009

Dear Mr. Biskner,

This is regarding your letters dated August 20, 2002 and August 21, 2002 concerning the 1993 removal of a 1,500 Gallon Diesel UST near Power Plant #6 and a 1,000-gallon diesel UST near Water Works #4 at Ravenna Army Ammunition Plant (RVAAP). As I discussed with you this morning by phone, our records show the closure reports you requested were submitted to your office on September 30, 1993. I am enclosing another copy of the document and the original cover letter addressing the closure of both tanks.

If you need any additional information, you can call me at (330) 358-7311.

Sincerely,

Mark Patterson
RVAAP Environmental Program Manager

F.CRR.UST

24.00CS



Ohio Department of Commerce

Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
6606 Tussing Road • P.O. Box 687
Reynoldsburg, OH 43068-9009
(614) 752-7938 FAX (614) 752-7942
www.com.state.oh.us

Bob Taft
Governor

Gary C. Suhadolnik
Director

August 21, 2002

DEPT OF ENVIRONMENTAL AFFAIRS
US ARMY
8451 STATE ROUTE 5
RAVENNA, OH 44266

SITE: RAVENNA ARMY AMMUNITION PLANT
1993 REMOVAL OF 1-1K DIESEL UST
EASTSIDE OF POWER PLANT #6
8451 ST RT 5
RAVENNA OH
PORTAGE COUNTY
RELEASE #67000501-N00009

RE: CLOSURE ASSESSMENT REPORT NOT RECEIVED

Dear Dept Of Environmental Affairs:

The Bureau of Underground Storage Tank Regulations (BUSTR) was notified on July 30, 1993 that the underground storage tank system(s) at this site were removed.

To date, BUSTR has not received a closure assessment report. The owner and operator are both responsible for filing this report. Either may take action to comply with the regulations; however, both are liable for noncompliance.

The closure assessment report must be filed with BUSTR even if a copy of the report has already been sent to the Petroleum Underground Storage Tank Release Compensation Board, the Ohio Environmental Protection Agency, or the local fire department.

The closure assessment reporting requirements are listed in Ohio Administrative Code 1301:7-9-12(K) and (L), effective September 1992. An order form and other publications that may help you to understand the requirements for compliance with BUSTR's rules and regulations may be found on the Internet at www.com.state.oh.us or by calling our office.

Please send your closure assessment report to BUSTR within 30 days of the date of this letter.

Thank you for your cooperation. If you have any questions, please contact me at 614-752-7925.

Sincerely,

Dave Biskner
Environmental Specialist

xc: Site File

F.CRR.UST

24.00CS



Ohio Department of Commerce

Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
6606 Tussing Road • P.O. Box 687
Reynoldsburg, OH 43068-9009
(614) 752-7938 FAX (614) 752-7942
www.com.state.oh.us

Bob Taft
Governor

Gary C. Suhadolnik
Director

August 20, 2002

DEPT OF ENVIRONMENTAL AFFAIRS
US ARMY
8451 STATE ROUTE 5
RAVENNA, OH 44266

SITE: RAVENNA ARMY AMMUNITION PLANT
1993 REMOVAL OF 1-500 GALLON
DIESEL UST (WATERWORKS BLDG #4)
8451 ST RT 5
RAVENNA OH
PORTAGE COUNTY
RELEASE #67000501-N00008

RE: CLOSURE ASSESSMENT REPORT NOT RECEIVED

Dear Sir/Madam:

The Bureau of Underground Storage Tank Regulations (BUSTR) was notified on August 19, 1993 that the underground storage tank system(s) at this site was removed.

To date, BUSTR has not received a closure assessment report. The owner and operator are both responsible for filing this report. Either may take action to comply with the regulations; however, both are liable for noncompliance.

The closure assessment report must be filed with BUSTR even if a copy of the report has already been sent to the Petroleum Underground Storage Tank Release Compensation Board, the Ohio Environmental Protection Agency, or the local fire department.

The closure assessment reporting requirements are listed in Ohio Administrative Code 1301:7-9-12(K) and (L), effective September 1992. An order form and other publications that may help you to understand the requirements for compliance with BUSTR's rules and regulations may be found on the Internet at www.com.state.oh.us or by calling our office.

Please send your closure assessment report to BUSTR within 30 days of the date of this letter.

Thank you for your cooperation. If you have any questions, please contact me at 614-752-7925.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Biskner".

Dave Biskner
Environmental Specialist

xc: Site File



Autumn Industries, Inc.
Autumn Technical Services, Inc.

518 Perkins-Jones Road, Warren, Ohio 44483
August 3, 1993

Mr. William Jenkins, Manager
Contract/Procurement & Purchasing
RAVENNA ARSENAL, INC.
8451 State Route 5
Ravenna, Ohio 44266-9297

B.J. JENKINS

AUG 4 1993

cc: *Joe McCauslin*

RE: Extras on UST Work
ATS Project No. 30604

Dear Mr. Jenkins:

Autumn Technical Services, Inc. is pleased to offer the following prices for the extra work at your Ravenna, Ohio site.

1. Disposal of ten (10) empty fuel tanks -	
2 Men x \$30.00 x 16 hours	\$ 480.00
Torches, Saws, Etc. \$150.00/Day x 2 Days	\$ 300.00
Transportation	\$ 200.00
Safety Equipment \$150.00/Day x 2 Days	\$ 300.00
Estimated Total	\$1,280.00

2. 550-1,000 Gallon Gasoline Underground Storage Tank Closure -

Includes necessary equipment, skilled manpower, and material for the removal of a 550-1,000 gallon gasoline underground storage tank and associated piping.

The lump sum price of \$3,800.00 assumes a clean closure and an empty tank. The lump sum price also assumes that backfill for the excavation will be from material on site. The unit cost to remove liquid from the tank is \$.35 per gallon.

If you have any questions or require additional information, please call my office at (216) 372-5002.

Sincerely,
AUTUMN TECHNICAL SERVICES, INC.

Michael T. Carney mt
Michael T. Carney
Senior Vice President

MTC:mt
File: RAVENNA.XTR
cc: Barney Brown

Hazardous Waste Remediation and Transportation

• (216) 372-5002 • (800) 447-2116 • FAX (216) 372-3699 • WBE Certified •

• DeWittstown Terminal (216) 340-2200 • (800) 428-7903 • FAX (216) 340-2202 •

F.CRR.UST

24.00CS



LMS TICKET NO. _____

033531

NON-HAZARDOUS SPECIAL AND ASBESTOS WASTE MANIFEST

GENERATOR

SPECIAL WASTE - COMPLETE SECTIONS: I, II, V, VII, VIII, IX, XI
ASBESTOS WASTE - COMPLETE SECTIONS: I thru XII (Section 1, if required to analyze for hazardous waste characteristics)

GENERATOR INSTRUCTIONS

SECTION I BFI WASTE CODE 01

GENERATING LOCATION

SECTION II GENERATOR

MAILING ADDRESS

PHONE NO. _____

SECTION III OPERATOR/CONTRACTOR

NAME

ADDRESS

PHONE NO. _____

SECTION IV OWNER

SECTION V WASTE DISPOSAL SITE

PHYSICAL SITE LOCATION

NAME

MAILING ADDRESS

PHONE NO. _____

SECTION VI RESPONSIBLE AGENCY (LOCAL, STATE, EPA)

NAME

ADDRESS

PHONE NO. _____

SECTION VII DESCRIPTION OF WASTE	CONTAINERS NO. TYPE	TOTAL QUANTITY UNIT	TYPE	UNITS
ASBESTOS WASTE	1 T	44,000 P	DM-METAL DRUM DM-PLASTIC DRUM BA-6MIL PLASTIC BAGS/WRAP T-TRUCK O-OTHER	P-POUND Y-YARDS M ³ -CUBIC METER Y ³ -CUBIC YARDS O-OTHER

FRIABLE _____ NON FRIABLE _____ BOTH _____ % FRIABLE _____ % NON FRIABLE _____

SECTION VIII SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

SECTION IX GENERATOR CERTIFICATION

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.1 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

SECTION X OPERATOR CERTIFICATION (ASBESTOS)

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 government regulations.

* Susan McLaughlin 9/29/93
Print/Type Name & Title Shipment Date
* Susan McLaughlin
Signature Shipment Date

Print/Type Name & Title Shipment Date

Operator's Signature

TRANSPORTER

SECTION XI TRANSPORTER 1

NAME OF CO. Autumn Enterprises Inc
ADDRESS 518 Park St Jones Rd Warren OH 44483
DRIVER Joe Stark
Print/Type Name/Title
TRUCK NO. _____ PHONE NO. (216) 372 5002

SECTION XII TRANSPORTER 2

NAME OF CO. _____
ADDRESS _____
DRIVER _____
Print/Type Name/Title
TRUCK NO. _____ PHONE NO. _____

Acknowledgement of receipt of materials.

Signature [Signature] 9/29/93
Shipment Date

Acknowledgement of receipt of materials.

Signature _____ Shipment Date _____

DISPOSAL SITE

DISCREPANCY INDICATION SPACE

DISPOSAL COORDINATES
(Landfill use only)

F.CRR.UST

Print/Type Name

Signature/Date

SITE AND ADDRESS

DISPOSAL INSTRUCTIONS

I hereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and accurate.

AUTHORIZED AGENT (PLEASE PRINT)

SIGNATURE OF AUTHORIZED AGENT

Receipt Date

DESTINATION - WHITE

GENERATOR FILE - GREEN

GENERATOR - YELLOW

OPERATOR - PINK

TRANSPORTER - GR

24.00CS

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME				
6-29-93	11:06 PM	9440	lb GROSS		
6-29-93	11:51 PM	11340	lb TARE - DRIVER	ON _____	OFF _____
			lb NET @ _____	PER lb PRICE _____	

SHIPPER _____

REMARKS _____

WEIGHER _____

107-100-11
135

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE

TIME

10-22-69 - 9:00

3 - MONTELLA

145410

lb GROSS

lb TARE - DRIVER ON _____ OFF _____

lb NET @ _____ PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS		
6-28-00	11:00 AM	21500			
6-28-00	3:00 PM	21500	lb TARE - DRIVER	ON _____	OFF _____
			lb NET @ _____	PER lb	PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

DATE 6-25-93

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME	
6-25-93	2:52PM	33200
6-25-93	12:40PM	8720

lb GROSS _____
 lb TARE - DRIVER ON _____ OFF _____
 lb NET @ _____ PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

3115 NC

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME	
6-25-93	2:53PM	45520
6-25-93	12:41PM	23940

lb GROSS _____
 lb TARE - DRIVER ON _____ OFF _____
 lb NET @ _____ PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

F.CRR.UST

24.00CS

603

NC

WEIGHED ON A FAIRBANKS SCALE

DATE _____
 CUSTOMER'S NAME PC
 ADDRESS _____
 COMMODITY _____
 CARRIER _____

DATE	TIME	Weight	Unit
6-25-93	12:08PM	42960	lb GROSS
6-25-93	7:29AM	20880	lb TARE - DRIVER
			ON _____ OFF _____
			lb NET @ _____ PER lb PRICE _____

SHIPPER _____ REMARKS _____
 WEIGHER _____

FAIRBANKS CAT. 083600

48012

NC

WEIGHED ON A FAIRBANKS SCALE

DATE _____
 CUSTOMER'S NAME _____
 ADDRESS _____
 COMMODITY _____
 CARRIER _____

DATE	TIME	Weight	Unit
6-25-93	12:09PM	31900	lb GROSS
6-25-93	7:30AM	7280	lb TARE - DRIVER
			ON _____ OFF _____
			lb NET @ _____ PER lb PRICE _____

SHIPPER _____ REMARKS _____
 WEIGHER _____

FAIRBANKS CAT. 083600

WEIGHED ON A FAIRBANKS SCALE

DATE 6-25-93

CUSTOMER'S NAME Petroleum Products Truck # 277023

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS		
6-25-93	9:14AM	31900			
6-25-93	7:24AM	2840		ON _____	OFF _____
				lb TARE - DRIVER	
				lb NET @ _____	PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

WEIGHED ON A FAIRBANKS SCALE

DATE 6-25-93

CUSTOMER'S NAME Petroleum Products Truck # 277023

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS		
6-25-93	9:13AM	44140			
6-25-93	7:22AM	21840		ON _____	OFF _____
				lb TARE - DRIVER	
				lb NET @ _____	PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

3121

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON _____	OFF _____
6-29-93	3:38PM	30400				
6-29-93	1:10PM	17160				
				lb NET @ _____		PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON _____	OFF _____
6-29-93	3:38PM	19660				
6-29-93	1:11PM	9680				
				lb NET @ _____		PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

0012 NC

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON	OFF
6-29-93		32410				
6-29-93	7:24AM	7300				
			lb NET @		PER lb	PRICE

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

IF 603 NC

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON	OFF
6-29-93		44530				
6-29-93	7:23AM	2120				
			lb NET @		PER lb	PRICE

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

18003 NC

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	ON	OFF
6-29-93		29850			
6-29-93	7:27AM	6260	lb TARE - DRIVER		
			lb NET @		PER lb PRICE

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

3135 NC

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	ON	OFF
6-29-93		41850			
6-29-93	7:26AM	19600	lb TARE - DRIVER		
			lb NET @		PER lb PRICE

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

10

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON _____	OFF _____
6-28-93	2:55PM	34840				
6-28-93	1:21PM	9900				

lb NET @ _____ PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

3121

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON _____	OFF _____
6-28-93	2:54PM	44360				
6-28-93	1:20PM	18620				

lb NET @ _____ PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

18012

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME				
6-28-93	11:46AM	35380	lb GROSS		
6-28-93	9:54AM	7020	lb TARE - DRIVER	ON _____	OFF _____
			lb NET @ _____	PER lb	PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

IS MEMO RECEIVED

18012

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME				
6-28-93	11:46AM	35380	lb GROSS		
6-28-93	9:54AM	7020	lb TARE - DRIVER	ON _____	OFF _____
			lb NET @ _____	PER lb	PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME				
6-23-93	3:02PM	42980	lb GROSS		
6-23-93	12:33PM	20680	lb TARE - DRIVER	ON _____	OFF _____
			lb NET @ _____	PER lb	PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

KAUER 180/2 NC

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME				
6-23-93	3:03PM	31480	lb GROSS		
6-23-93	12:34PM	7240	lb TARE - DRIVER	ON _____	OFF _____
			lb NET @ _____	PER lb	PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

KASTOR (WHITE-GREEN) 11 21 MAR

00002

WEIGHED ON A FAIRBANKS SCALE

DATE 6-23-93

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS		
6-23-93	12:37PM	44160	lb GROSS		
6-23-93	11:04AM	25260	lb TARE - DRIVER	ON _____	OFF _____
			lb NET @ _____	PER lb PRICE _____	

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

KALOR 5615 PP

00002

WEIGHED ON A FAIRBANKS SCALE

DATE 6-23-93

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS		
6-23-93	12:37PM	36360	lb GROSS		
6-23-93	11:05AM	11280	lb TARE - DRIVER	ON _____	OFF _____
			lb NET @ _____	PER lb PRICE _____	

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

WEIGHED ON A FAIRBANKS SCALE

DATE 23 June 93

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER 93-89 TO 3TWN 30000

DATE TIME

6-23-93 7:54AM 10160 lb GROSS

6-23-93 10:03AM 34580 lb TARE - DRIVER ON _____ OFF _____

lb NET @ _____ PER lb PRICE _____

SHIPPER North Coast Transport

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

WEIGHED ON A FAIRBANKS SCALE

DATE 23 June 93

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER 93-89 TO 58W 42000

DATE TIME

6-23-93 7:53AM 21100 lb GROSS

6-23-93 10:02AM 44220 lb TARE - DRIVER ON _____ OFF _____

lb NET @ _____ PER lb PRICE _____

SHIPPER North Coast Transport

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

PAHLON

5/21

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME			
6-24-93	2:34PM	44920	lb GROSS	
6-24-93	12:53PM	18280	lb TARE - DRIVER	ON _____ OFF _____
			lb NET @ _____	PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

TL # 10

NC

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME			
6-24-93	2:32PM	35220	lb GROSS	
6-24-93	12:49PM	9680	lb TARE - DRIVER	ON _____ OFF _____
			lb NET @ _____	PER lb PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

18012

WEIGHED ON A FAIRBANKS SCALE

DATE 6/4/93

CUSTOMER'S NAME US STEEL

ADDRESS

COMMODITY

CARRIER ADVANTAGE

DATE	TIME		
6-24-93	12:18PM	31840	lb GROSS
6-24-93	10:29AM	7340	lb TARE - DRIVER ON _____ OFF _____
			lb NET @ _____ PER lb PRICE _____

SHIPPER

REMARKS

WEIGHER

FAIRBANKS CAT. 083600

603

WEIGHED ON A FAIRBANKS SCALE

DATE 6/24/93

CUSTOMER'S NAME US STEEL

ADDRESS

COMMODITY

CARRIER ADVANTAGE

DATE	TIME		
6-24-93	12:17PM	43040	lb GROSS
6-24-93	10:27AM	20500	lb TARE - DRIVER ON _____ OFF _____
			lb NET @ _____ PER lb PRICE _____

SHIPPER

REMARKS

WEIGHER

FAIRBANKS CAT. 083600

WEIGHED ON A FAIRBANKS SCALE

DATE 6-25-93

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME				
6-25-93	2:49PM	45660	lb GROSS		
6-25-93	12:38PM	21260	lb TARE - DRIVER	ON _____	OFF _____
			lb NET @ _____	PER lb	PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

F.10 NC

WEIGHED ON A FAIRBANKS SCALE

DATE 6-25-93

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME				
6-25-93	2:50PM	35720	lb GROSS		
6-25-93	12:37PM	9820	lb TARE - DRIVER	ON _____	OFF _____
			lb NET @ _____	PER lb	PRICE _____

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [REDACTED] DATE 6-13-73
 at [REDACTED] DESIGNATE WITH AN (X) Shipper's No. 01003
 BY [REDACTED] Carrier [REDACTED] Agent's No. N.H.C. 1
 Consigned to K&S (Mail or street address for purposes of identification only.)
 Destination ST. LOUIS State of MO County of [REDACTED]
 Route [REDACTED] Delivery Address [REDACTED]
 Delivering Carrier N.H.C. Vehicle or Car Initial [REDACTED] No. [REDACTED]

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN
117		#6 <u>[REDACTED]</u>	5641 <u>[REDACTED]</u>		
TOTAL PIECES					

subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement.
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 Per _____
 (Signature of Consignor.)
 If charges are to be prepaid, write or stamp here, "To be prepaid."
 Received \$ _____
 to apply in prepayment of the charges on the property described hereon.

 Agent or Cashier
 Per _____
 The signature here acknowledges only the amounts prepaid.)
 Charges Advanced: _____
 \$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.
 Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Department of Transportation.
 If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."
 NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding

THIS SHIPMENT IS CORRECTLY DESCRIBED
 CORRECT WEIGHT IS _____ LBS.

C.O.D. SHIPMENT
 C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Shipper, Per [REDACTED]
 Agent, Per [REDACTED]
 Permanent post office address of shipper [REDACTED]

4

F.C.R.R.U.S.T
 24.00CS

a copy or duplicate, covering the property named herein, and is intended solely for filing or records.

***RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading.** the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [REDACTED] DATE 6-23-93
 at [REDACTED] DESIGNATE WITH AN (X) TRUCK FREIGHT Shipper's No. 00102
 BY [REDACTED] Carrier Petroleum Products Agent's No. Petroleum Products
 Consigned to Petroleum Products (Mail or street address for purposes of identification only.)
 Destination 628 K... .. State of Ohio County of ...
 Route ... Delivery Address ...
 Delivering Carrier Petroleum Products Vehicle or Car Initial ... No. ...

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN	subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
1 TT		#6 Fuel Oil	5330 gal.			Per: _____ (Signature of Consignor.) If charges are to be prepaid, write or stamp here, "To be prepaid." Received \$ _____ to apply in prepayment of the charges on the property described hereon. Agent or Cashier Per: _____ (The signature here acknowledges only the amounts prepaid.)
TOTAL PIECES		<u>Brinkley Motor Petroleum Products</u>	<u>6-23-93</u>			Charges Advanced: \$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Department of Transportation.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

NOTE: Where the rate is dependent on value, shipper's are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding

THIS SHIPMENT IS CORRECTLY DESCRIBED

CORRECT WEIGHT IS _____ LBS.

Per [Signature] Shipper

C.O.D. SHIPMENT

C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Shipper, Per [Signature]
 Agent, Per [Signature]

Permanent post office address of shipper

4

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee Kohl Steel

Street State Route 57

City Loraine State Ohio Zip Code _____

FROM:
Shipper Ravenna Army Ammunition Plant

Street 8451 State Route 5

City Ravenna State Ohio Zip Code 44268

24 hr. Emergency Contact Tel. No. 1-800-447-2116

Route		Vehicle Number				
No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class Identification Number (UN or NA) per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT		# 6 Fuel Oil	62.28 gal.			

PLACARDS TENDERED: YES NO

Note — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____

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 Rail Highway Water (DELETE NON-APPLICABLE MODE OF TRANSPORT) according to applicable international and national governmental regulations.

Benny Brown Signature

REMIT C.O.D. TO: ADDRESS _____

COD Amt: \$ _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

C.O.D. FEE: PREPAID COLLECT \$ _____

TOTAL CHARGES: \$ _____

FREIGHT CHARGES: FREIGHT PREPAID except when box is checked Check box if charges are to be collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of

said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Ravenna Army Ammunition Plant

PER Benny Brown / Arthur Yednick

CARRIER North Carter Transfers

PER Kathleen Miller

DATE 6-23-93

3

Permanent post-office address of shipper.



RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [Redacted] DATE 6-24-93
 at [Redacted] DESIGNATE WITH AN (X)
 TRUCK FREIGHT Shipper's No. 0005
 BY Roy Anthony Amis, Jr. Plant Carrier Agent's No. North Carolina Transfer
 Consigned to Kohl Staff (Mall or street address for purposes of identification only.)
 Destination State Route 57 State of Ohio County of _____
 Route _____ Delivery Address ★
 Delivering Carrier North Carolina Transfer Vehicle or Car Initial _____ No. _____
 (To be filled in only when shipper desires and governing tariffs provide for delivery thereof)

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN
1	T	#6 Fuel Oil	6324 gal.		
TOTAL PIECES					

Roy Anthony Amis

subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 Per _____
 (Signature of Consignor.)
 If charges are to be prepaid, write or stamp here, "To be prepaid."
 Received \$ _____
 to apply in prepayment of the charges on the property described hereon.
 Agent or Cashier
 Per _____
 The signature here acknowledges only the amounts prepaid.)
 Charges Advanced:
 \$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.
 Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Department of Transportation.
 If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."
 NOTE: Where the rate is dependent on value, shipper's are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding

THIS SHIPMENT IS CORRECTLY DESCRIBED
 CORRECT WEIGHT IS _____ LBS.

C.O.D. SHIPMENT
 C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Shipper, Per Roy Anthony Amis, Jr. Plant
Benny B... Agent, Per Sam M. Ch...

Permanent post office address of shipper

3

RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From ~~XXXXXXXXXXXXXXXXXXXX~~ at ~~XXXXXXXXXXXXXXXXXXXX~~ BY Rowena Army Ammunition Plant Consigned to Kell Street Destination State Route 57 State of Ohio County of Route Delivery Address * Delivering Carrier North Canton Transfer Vehicle or Car Initial No. DATE 6-24-93 DESIGNATE WITH AN (X) TRUCK FREIGHT Shipper's No. 00004 Agent's No. North Canton Transfer (Mail or street address for purposes of identification only.)

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN
111		#6 Fuel Oil	570 gal.		
TOTAL PIECES					

subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Per _____ (Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier _____

Per _____ The signature here acknowledges only the amounts prepaid.)

Charges Advanced: \$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Department of Transportation. If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE: Where the rate is dependent on value, shipper's are required to state specifically in writing the agreed or declared value of the property is hereby specifically stated to be not exceeding _____

THIS SHIPMENT IS CORRECTLY DESCRIBED _____ CORRECT WEIGHT IS _____ LBS. Autumn Technical Services Per Barney Shipper

C.O.D. SHIPMENT C.O.D. Amt. _____ Collection Fee _____ Total Charges _____

Permanent post office address of shipper ~~XXXXXXXXXXXXXXXXXXXX~~ Shipper, Per North Canton Army Ammunition Plant Agent, Per Sam McCall

3

RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [Redacted] DATE 6-23-93
 at [Redacted] DESIGNATE WITH AN (X) TRUCK FREIGHT
 BY Ravena Army Ammunition Plant Carrier [Redacted] Shipper's No. 00009
 Consigned to 616 Steel Agent's No. North Canton Transfer
 Destination State Rt. 57 Lorain State of Ohio County of [Redacted]
 Route [Redacted] Delivery Address [Redacted]

Delivering Carrier [Redacted] Vehicle or Car Initial [Redacted] No. [Redacted]

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN	subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
171		6 Fuel Oil	6096 gal			Per _____ (Signature of Consignor.) If charges are to be prepaid, write or stamp here. "To be prepaid." Received \$ _____ to apply in prepayment of the charges on the property described hereon. Agent or Cashier Per _____ The signature here acknowledges only the amounts prepaid.)
TOTAL PIECES						Charges Advanced: \$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Department of Transportation.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

NOTE: Where the rate is dependent on value, shipper's are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding

THIS SHIPMENT IS CORRECTLY DESCRIBED [Signature] Autumn Technical Services
 CORRECT WEIGHT IS _____ LBS. Per [Signature] Shipper

C.O.D. SHIPMENT
 C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Shipper, Per Ravena Army Ammunition Plant
[Signature] Agent, Per Susan McLausin

Permanent post office address of shipper

3

a copy of duplicate, covering the property herein described and intended to be transported by the carrier named herein, and to be subject to the conditions and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading. RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [REDACTED] DATE 6-25-43
 at [REDACTED] DESIGNATE WITH AN (X) TRUCK FREIGHT
 BY Navarra Army Ammunition Plant Carrier Shipper's No. 00008
 Consigned to Kolb Steel Agent's No. North Coast Transfer
 Destination State Rt. 57 Lorain State of Ohio County of _____
 Route _____ Delivery Address ★ _____
 Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN
111		#6 Fuel Oil	5583 gal		
TOTAL PIECES					

subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement.
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 Per _____
 (Signature of Consignor.)
 If charges are to be prepaid, write or stamp here: "To be prepaid."
 Received \$ _____
 to apply in prepayment of the charges on the property described hereon.
 Agent or Cashier _____
 Per _____
 The signature here acknowledges only the amounts prepaid.)
 Charges Advanced: \$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.
 Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Department of Transportation.
 If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."
 NOTE: Where the rate is dependent on value, shipper's are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding _____

THIS SHIPMENT IS CORRECTLY DESCRIBED
 CORRECT WEIGHT IS _____ LBS. galt
Arthur Technical Services Shipper
Per Victor Thompson

C.O.D. SHIPMENT
 C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Permanent post office address of shipper [REDACTED]
 Shipper, Per Navarra Army Ammunition Plant
Victor Thompson Agent, Per Susan Melvin

3

RECEIVE, subject to the classifications and tariffs in effect on the date of issue of this Shipping Order.

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [REDACTED] DATE 6-25-93
 at [REDACTED] DESIGNATE WITH AN (X)
 BY Ravenna Army Ammunition Plant TRUCK FREIGHT Shipper's No. 00007
 Consigned to Kalsh Steel Carrier _____ Agent's No. North Canton Transfer
 Destination State Rt. 57 State of Ohio County of _____
 Route _____ Delivery Address ★
 Delivering Carrier North Canton Transfer Vehicle or Car Initial _____ No. _____
★ (To be filled in only when shipper desires and governing tariffs provide for delivery thereof)

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN
1TT		#6 Fuel Oil	5670 gal		
TOTAL PIECES					

subject to Section 7 of conditions of applicable bill of lading if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement.
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 Per _____
 (Signature of Consignor.)
 If charges are to be prepaid, write or stamp here, "To be prepaid."
 Received \$ _____
 to apply in prepayment of the charges on the property described hereon.
 Agent or Cashier
 Per _____
 The signature here acknowledges only the amounts prepaid.
 Charges Advanced: _____
 \$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Department of Transportation.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding _____

THIS SHIPMENT IS CORRECTLY DESCRIBED _____
 CORRECT WEIGHT IS _____ LBS. _____
 Per _____ Shipper

C.O.D. SHIPMENT
 C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Shipper, Per Ravenna Army Ammunition Plant
Vedon Thompson Agent, Per Susan McLaughlin

Permanent post office address of shipper

2

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading

RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [REDACTED] DATE 6-25-93
 at [REDACTED] DESIGNATE WITH AN (X) TRUCK FREIGHT
 BY Parsons Army Ammunition Plant Carrier [REDACTED] Shipper's No. 0006
 Consigned to Petroleum Products Agent's No. Petroleum Products
 Destination Petroleum Products State of Ohio County of [REDACTED]
 Route 628 Keen St, Zanesville Delivery Address [REDACTED]
 Delivering Carrier [REDACTED] Vehicle or Car Initial [REDACTED] No. [REDACTED]

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN
1TT		#6 Fuel Oil	5619	gal.	
TOTAL PIECES		<u>Brian K Moore</u> <u>6-25-93</u>			

subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement.
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 Per _____
 (Signature of Consignor.)
 If charges are to be prepaid, write or stamp here, "To be prepaid."
 Received \$ _____
 to apply in prepayment of the charges on the property described hereon.
 Agent or Cashier _____
 Per _____
 The signature here acknowledges only the amounts prepaid.)
 Charges Advanced: \$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Department of Transportation.
 If the shipment moves between two parts by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."
 NOTE: Where the rate is dependent on value, shipper's are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding _____

THIS SHIPMENT IS CORRECTLY DESCRIBED
 CORRECT WEIGHT IS _____ LBS.
 Per [Signature] Shipper

C.O.D. SHIPMENT
 C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Shipper, Per Parsons Army Ammunition Plant
[Signature] Agent, Per [Signature]

Permanent post office address of shipper

3

This Shipping Order must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. 10000

Carrier Autumn Truck Carrier's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order,

at Autumn Technical Services Plant 1993 from L-25-93

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Autumn Technical Services (Mail or street address of consignee—For purposes of notification only.)

Destination 578 Perkins Jones Rd. Warren State Ohio Zip Code 44483 County _____

Delivery Address ★ _____ (★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier		Car or Vehicle Initials		No.	
No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Car.)	Class or Rate	Check Column	
1 TT	# 2 Fuel Oil	500 gal			Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor) If charges are to be prepaid, write or stamp here, "To Be Prepaid." Received \$ _____ To apply in prepayment of the charges on the property described hereon. Agent or Cashier Per _____ (The signature here acknowledges only the amount prepaid.) Charges Advanced \$ _____

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Uniform Freight Classification.

‡Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Autumn Technical Services Shipper, Per Bob G. Jennings

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

2

Permanent post-office address of shipper:

REDIFORM 65695

POLY PAK (50 SETS) 6P695

carbonless

THIS SHIPPING ORDER must be legibly filled in, in ink, in Delible Pencil, on Carbon, and retained by the agent. RECEIVE, subject to the classifications and tariffs in effect on the date of issue of this Shipping Order.

RA-201

The property described below in apparent good order, except as noted (contents and condition of contents of packages unknown) marked consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [REDACTED] DATE 6-28-93
 at [REDACTED] DESIGNATE WITH AN (X) TRUCK FREIGHT
 BY Ravenna Army Ammunition Plant Carrier Autuman Industries Shipper's No. 20000
 Consigned to Autuman Industries Agent's No. Autuman Industries
(Mail or street address for purposes of identification only.)
 Destination SIS Perkins Jones Rd. Warren State of Ohio County of _____
 Route SK 5 Delivery Address ★ _____
 Delivering Carrier Autuman Ind. Vehicle or Car Initial _____ No. _____
★ (To be filled in only when shipper desires and governing tariffs provide for delivery thereof)

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN
1 TT	✓	#2 Fuel oil	4000 gal.		
TOTAL PIECES					

subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement.
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 Per _____
(Signature of Consignor.)
 If charges are to be prepaid, write or stamp here: "To be prepaid."
 Received \$ _____
 to apply in prepayment of the charges on the property described hereon.
 Agent or Cashier _____
 Per _____
 The signature here acknowledges only the amounts prepaid.
 Charges Advanced: \$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Department of Transportation.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, the agreed or declared value of the property is hereby specifically stated to be not exceeding _____

THIS SHIPMENT IS CORRECTLY DESCRIBED
 CORRECT WEIGHT IS _____ LBS.

Autuman Technical Services
 Per Victor Thompson Shipper

C.O.D. SHIPMENT
 C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Shipper, Per Ravenna Army Ammunition Plant
Victor Thompson Agent, Per Susan M. Condit

Permanent post office address of shipper

2

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading

RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [REDACTED] DATE 6-29-93
 at [REDACTED] DESIGNATE WITH AN (X) TRUCK FREIGHT
 BY Ravenna Army Ammunition Plant Carrier Advantage Shipper's No. 00012
 Consigned to Kalb Steel Agent's No. Advantage
 Destination St Rt 57 Locid State of Ohio County of
 Route Delivery Address *

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN	No.
1TT		#6 Fuel Oil	5556 gal			
<p><i>[Signature]</i></p>						
TOTAL PIECES						

subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse to the consignor the consignor shall sign the following statement.
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 Per _____
 (Signature of Consignor.)
 If charges are to be prepaid, write or stamp here, "To be prepaid."
 Received \$ _____
 to apply in prepayment of the charges on the property described hereon.
 Agent or Cashier _____
 Per _____
 The signature here acknowledges only the amounts prepaid.)

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.
 Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Department of Transportation.
 If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."
 NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding _____

THIS SHIPMENT IS CORRECTLY DESCRIBED

CORRECT WEIGHT IS _____ LBS.

Per Victor Thompson Shipper

C.O.D. SHIPMENT

C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Shipper, Per Ravenna Army Ammunition Plant
 Agent, Per Susan McClure

Permanent post office address of shipper

a copy or duplicate, covering the property named herein and is intended solely for filing or record.

RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading.

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [REDACTED]

DATE 6-29-93
DESIGNATE WITH AN (X)
TRUCK FREIGHT

Shipper's No. 00013

at [REDACTED]

Agent's No. Advantage
(Mail or street address for purposes of identification only.)

BY Ravena Army Ammunition Plant Carrier

Consigned to Kolb Steel

Destination Rt 57 Lorain State of Ohio County of _____

Route _____ Delivery Address ★ _____
★ (To be filled in only when shipper desires and governing tariffs provide for delivery thereof)

Delivering Carrier Advantage Vehicle or Car Initial _____ No. _____

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN
1 TT		#6 Fuel Oil	5881 gal		
TOTAL PIECES		<u>Edsel J. Munn</u>			

subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Per _____
(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier _____

Per _____
The signature here acknowledges only the amounts prepaid.)

Charges Advanced: _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Department of Transportation.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

NOTE: Where the rate is dependent on value, shipper's are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding _____

THIS SHIPMENT IS CORRECTLY DESCRIBED
CORRECT WEIGHT IS _____ LBS.

Advantage Technical Services
Per Vito Thompson Shipper

C.O.D. SHIPMENT	
C.O.D. Amt.	_____
Collection Fee	_____
Total Charges	_____

Shipper, Per Ravena Army Ammunition Plant
Vito Thompson Agent, Per Suzanne Miller

Permanent post office address of shipper

3

THIS MEMORANDUM RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property named herein, and is intended solely for filing or record. **RA-201**
 the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [REDACTED] DATE 6-29-93
 at PORTA [REDACTED] DESIGNATE WITH AN (X)
 BY Business Army (Army) Plant TRUCK FREIGHT Shipper's No. 00014
 Consigned to Kelb steel Carrier North Canton Transfer Agent's No. [REDACTED]
 Destination Rt 57 Lorain State of Ohio County of _____
 Route _____ Delivery Address ★ (To be filled in only when shipper desires and governing tariffs provide for delivery thereof)

Delivering Carrier North Canton Transfer Vehicle or Car Initial _____ No. _____

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN	subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
111		#6 Fuel Oil	2814 gal			Per _____ (Signature of Consignor.) If charges are to be prepaid, write or stamp here. To be prepaid.
TOTAL PIECES						Received \$ _____ to apply in prepayment of the charges on the property described hereon. Agent or Cashier _____ Per _____ The signature here acknowledges only the amounts prepaid.) Charges Advanced: \$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification, his is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Department of Transportation.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

NOTE: Where the rate is dependent on value, shipper's are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding _____

THIS SHIPMENT IS CORRECTLY DESCRIBED _____
 CORRECT WEIGHT IS _____ LBS. [Signature] Per [Signature] Shipper

C.O.D. SHIPMENT
 C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Shipper, Per [Signature] Agent, Per [Signature]

Permanent post office address of shipper _____

3

LOAD TIME <u>3:40</u>	X				UN LOADING TIME				
START TIME	STOP TIME	CONSIGNOR AGENT				#1 DRIVER NAME	TOTAL HRS.	#2 DRIVER NAME	TOTAL HRS.
		OHIO	PA	W.VA.	MICH.				
TOTAL MILES	LOADED MILES	MILES				FROM	TO	TO	TO

THANK YOU For using North Canton Transfer Company !!
 SHIPPER'S COPY

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible pencil, on in Carbon, and retained by the agent.
RECEIVE, subject to the classifications and tariffs in effect on the date of issue of this Shipping Order.

RA-201

the property described ~~is~~ in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes or within the territory of its highway operations otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [REDACTED]

DATE 6-30-93

at [REDACTED]

DESIGNATE WITH AN (X)

TRUCK FREIGHT

Shipper's No. 30000

BY Ravenna Army Ammun. Plant Carrier

Agent's No. Autumn Ind.

(Mail or street address for purposes of identification only.)

Consigned to _____

Destination _____ State of Ohio County of _____

Route _____ Delivery Address *

Delivering Carrier Autumn Ind. Vehicle or Car Initial _____ No. _____

* (To be filled in only when shipper desires and governing tariffs provide for delivery thereof)

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN
177	✓	2 Fuel Oil	2700 gal		
TOTAL PIECES					

subject to Section 7 of conditions of applicable bill of lading if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Per _____
 (Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ _____
 to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
 The signature here acknowledges only the amounts prepaid.)

Charges Advanced:

\$ _____

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Department of Transportation.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding _____

THIS SHIPMENT IS CORRECTLY DESCRIBED _____

CORRECT WEIGHT IS _____ LBS. _____

Autumn Technical Services
 Per Victor Thompson Shipper

C.O.D. SHIPMENT

C.O.D. Amt. _____
 Collection Fee _____
 Total Charges _____

Shipper, Per Ravenna Army Ammun. Plant
Victor Thompson Agent, Per Susan M. [Signature]

Permanent post office address of shipper _____

2

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading

RECEIVED, subject to the classifications and tariffs in effect on the date of receipt of the property described in the Original Bill of Lading.

The property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From [Redacted]

DATE 7/8/93

at [Redacted]

DESIGNATE WITH AN (X)
TRUCK FREIGHT

Shipper's No. 000015

BY Revenue Army Ammunition Plant

Carrier [Redacted] Agent's No. Advantage

Consigned to Kelb Steel

(Mail or street address for purposes of identification only.)

Destination Rt 157 Loxah

State of Fla County of [Redacted]

Route

Delivery Address *

(To be filled in only when shipper desires and governing tariffs provide for delivery thereof)

Delivering Carrier Advantage

Vehicle or Car Initial

No. [Redacted]

NO. PACKAGES	H/M	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (SUB. TO COR.)	CLASS OR RATE	CHECK COLUMN
1 TT		#6 5.1 0.7	40.53 g/l		
TOTAL PIECES					

subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse to the consignor the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Per (Signature of Consignor.)
If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per The signature here acknowledges only the amount prepaid.

Charges Advanced:
\$

The bills used for this shipment conform to the specifications set forth in the bill of lading certificate thereon, and all other requirements of Rule 41, of the Consolidated Freight Classification. This is to certify that the above named material are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Department of Transportation.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated to be not exceeding

THIS SHIPMENT IS CORRECTLY DESCRIBED
CORRECT WEIGHT IS _____ LBS.

Advantage Technical Services
Per Victor Thompson Shipper

C.O.D. SHIPMENT
C.O.D. Amt. _____
Collection Fee _____
Total Charges _____

Shipper, Per Revenue Army Ammunition Plant
Agent, Per [Redacted]

Permanent post office address of shipper

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cf: S. McCauslin

000015 1993

603

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER ADVANTAGE

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON	OFF
7-08-93	11:52AM	36440				
7-08-93	8:57AM	20440				
			lb NET @		PER lb	PRICE

SHIPPER _____

WEIGHER _____

REMARKS _____

FAIRBANKS CAT. 083600

~~118012~~

WEIGHED ON A FAIRBANKS SCALE

DATE _____

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER ADVANTAGE

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON	OFF
7-08-93	11:54AM	24740				
7-08-93	8:59AM	7300				
			lb NET @		PER lb	PRICE

SHIPPER _____

WEIGHER _____

REMARKS _____

FAIRBANKS CAT. 083600

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. 00018

Carrier Petroleum Products Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the receipt by the carrier of the property described in the Original Bill of Lading

at Parsons Pump Commission Plant 19 93 from 7-15-93

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to such carrier of all or any of said property over all or any portion of said route to destination, and as to each party of any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Through Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Petroleum Products

Destination 628 Keen St. Zanesville State Ohio Zip Code _____ County _____ (Mail or street address of consignee—For purposes of notification only.)

Delivery Address *

(* To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route

Delivering Carrier

Car or Vehicle Initials

No.

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Car.)	Class or Rate	Check Column	Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
ITT	#6 Fuel Oil	6842	gal.		(Signatures of Consignor.) If charges are to be prepaid, write or stamp here, "To Be Prepaid." Received \$ _____ to apply in prepayment of the charges on the property described herein. Agent or Carrier Per _____ (The signature here acknowledges only the amount prepaid.) Charges Advanced \$

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Uniform Freight Classification.
‡Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Barney Bann Shipper, Per Barney Bann Agent, Per Susan McCaughey

Permanent post-office address of shipper:

REDIFORM: 6S695

POLY PAK (50 SETS) 6P695

carbonless

WEIGHED ON A FAIRBANKS SCALE

Trailer

DATE 7-15-93

CUSTOMER'S NAME Petroleum Products

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON	OFF
7-15-93	3:58PM	34160				
7-15-93	2:38PM	7560				
			lb NET @		PER lb PRICE	

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

WEIGHED ON A FAIRBANKS SCALE

Tractor

DATE 7-15-93

CUSTOMER'S NAME Petroleum Products

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON	OFF
7-15-93	3:58PM	46740				
7-15-93	2:37PM	22020				
			lb NET @		PER lb PRICE	

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

Shipper No. **B 6041**

Carrier No. _____

Date **7-17-93**

PETROLEUM PRODUCTS
(Name of Carrier)

TO: Consignee **PETROLEUM PRODUCTS**

FROM: Shipper **RAVENNA ENERGY ADMINISTRATION PLANT
PETROLEUM PRODUCTS, INC.**

Street **628 KEAR ST.**

Street **628 Kear Street 2451 E.R. S.**

Destination **ZANESVILLE OHIO** Zip Code **43707**

Origin **Zanesville, Ohio 43701 RAVENNA, OHIO**

Route _____

Vehicle Number _____

No. Shipping Units	HM*	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (subject to correction)	Rate	CHARGES
1TT		#6 FUEL OIL	2533 gal.		

REMIT C.O.D. TO ADDRESS _____

COO Amt \$ _____

C.O.D. FEE: PREPAID COLLECT \$ _____

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. _____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)

TOTAL CHARGES: \$ _____ FREIGHT CHARGES: FREIGHT PREPAID Check box if charges are to be collect except when box at right is checked

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of

all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER **PETROLEUM PRODUCTS, INC.**

CARRIER **PETROLEUM PRODUCTS**

PER **[Signature]**

PER **[Signature]** DATE **7-17-93**

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* Hazardous Materials

WEIGHED ON A FAIRBANKS SCALE

DATE 7-17-93

CUSTOMER'S NAME Petroleum Products Tractor #277023

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON _____	OFF _____
7-17-93	12:24PM	21180				
7-17-93	2:14PM	32140				
			lb NET @ _____		PER lb PRICE _____	

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

WEIGHED ON A FAIRBANKS SCALE

DATE 7-17-93

CUSTOMER'S NAME Petroleum Products Tractor Trailer #5

ADDRESS _____

COMMODITY _____

CARRIER _____

DATE	TIME		lb GROSS	lb TARE - DRIVER	ON _____	OFF _____
7-17-93	12:25PM	17540				
7-17-93	2:15PM	17480				
			lb NET @ _____		PER lb PRICE _____	

SHIPPER _____

REMARKS _____

WEIGHER _____

FAIRBANKS CAT. 083600

AKRON-CANTON WASTE OIL
EPA 400014858
216 628-1677

WASTE MANIFEST

AKRON-CANTON WASTE OIL

Office:
2098 May Road
Mogadore, OH 44260
(216) 628-1677

EPA
OHT 400014858

Designated Facility:
1701 Sherrick Avenue
Canton, OH 44707
(216) 456-5311

CUSTOMER'S
ORDER NO.

813193

NAME Autumn Technical Service
ADDRESS 318 Perkins Jones Rd
CITY Warren STATE OH ZIP CODE 44483

PAID BY	CASH	C.O.D.	CHARGE	ON ACCT.	MOSE RET'D.	PAID OUT
---------	------	--------	--------	----------	-------------	----------

QUANTITY	DESCRIPTION	PRICE	AMOUNT
800	gals. of waste oil and water to dispose		
	Transportation	\$ 100	
			Total \$ 500.00

All claims and returned goods MUST be accompanied with this bill.

BY Michael M. [Signature]

FULLY INSURED

This Shipping Order

Autum Industries, Inc.

Shipper's No. _____

Carrier's No. _____

Form must be legibly filled in, in ink, in Indefible Pencil, or in Carbon, and retained by the Agent

(Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of the Bill of Lading.

at August 31 1993 From Ravenna Arsenal

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown, marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date thereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Petroleum Products

(Mail or street address at consignee—For purposes of notification only.)

Destination Zanesville State OH Zip _____ County _____ Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	#2 Fuel Oil	1,000	gal	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)
If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier
For _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: \$ _____

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

† The above boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper: _____

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