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FIELD SAMPLING EPISODE REPORT NWS EARLE NJ
7/14/1987
STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

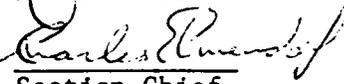
DIVISION OF HAZARDOUS SITE MITIGATION

ENVIRONMENTAL MEASUREMENTS SECTION

**MICHELE
MISC.**

FIELD SAMPLING EPISODE REPORT

EARLE NAVAL WEAPONS STATION
COLTS NECK
MONMOUTH COUNTY, NEW JERSEY
JULY 14, 1987


Bureau Chief

Section Chief

Author



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS SITE MITIGATION
401 E. State St., CN 028, Trenton, N.J. 08625
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ANTHONY J. FARRO
ACTING DIRECTOR

M E M O R A N D U M

TO: JAMES SCHNITZER, Technical Coordinator
Bureau of Environmental Evaluation & Risk Assessment

THROUGH: CHRISTINE M. ANDREAS, Sample Program Manager
Environmental Measurements Section *CAH*

FROM: DAVID DOYLE, HSMS IV *DD*
Environmental Measurements Section

SUBJECT: EARLE NAVAL WEAPONS STATION, COLTS NECK, MONMOUTH COUNTY, NEW JERSEY
Surface Water and Sediment Sampling Episode
7/14/87

Purpose:

Pursuant to your inter-divisional work request #562 dated June 26, 1987, a sampling episode was conducted by Environmental Measurements Section (EMS) personnel at the referenced site on July 14, 1987. Ten (10) surface water and ten (10) sediment samples were collected along the east branch of the Mingamahone Brook to confirm elevated concentrations of Chlorobenzene revealed during a previous sampling episode (5/17/85).

The sampling plan, drafted by Linda Grayson, HSMS II, EMS, on January 17, 1986 designated nine (9) sampling points along the east branch of the Mingamahone Brook both upstream and downstream of the previous "hit" location. The purpose of the sampling episode was to determine and delineate a potential source of contamination.

Introduction:

Twenty-four (24) samples which included surface water, sediment and the required quality assurance samples were analyzed for USEPA Target Compound List volatile organics (VOA), base neutral extractable organic compounds (BN) and metals. The samples were analyzed and reported under the following criteria by the U.S. Testing Company, Hoboken, New Jersey.

<u>Type of Sample</u>	<u>Parameters</u>	<u>Task</u>	<u>Tier</u>
Aqueous	(TCL) VOA, BN, Metals	IV	II
Non-aqueous	(TCL) VOA, BN, Metals	IV	II

Personnel On Site:

Dhruva G. Kanjarpane, NJDEP/BCM	(609) 633-0701
John H. Montgomery, NJDEP/NJGS	(609) 292-0668
James Schnitzer, NJDEP/BEERA	(609) 984-3068
Clare Sullivan, NJDEP/BPA	(609) 633-2218
Jerry Kashatus, NJDEP/EMS	(609) 984-1693
Michael Dennis, NJDEP/EMS	(609) 984-1693
David Doyle, NJDEP/EMS	(609) 984-1693
Amy Bruckner, Weston	(215) 430-3061
William Matthaey, NWSE	(201) 577-2146
Tom Gentile, WPNSTA Earle	(201) 577-2295
John Mahaney, WPNSTA Earle	(201) 577-2113
Dave Smith, North NAVFAC	(215) 897-6280

Weather Conditions: Morning - Sunny, 77°F
Afternoon - Sunny, 90's°F
Evening - Rain, 70's°F

Contact Person: Lt. Virginia Nagao (201) 577-2317

Methodology:

Surface Water Samples:

The surface water samples were collected directly into the lab cleaned sample containers supplied by U.S. Testing Company. The volatile organics fraction (VOA) was collected first to minimize surface water aeration. The plastic container used for the metals analysis was filled last since it contained HCl preservative. The container was not filled completely to avoid loss of the preservative. As a check against preservative loss, the pH of the metals sample was measured immediately. A surface water pH field measurement was taken at each sampling station.

Sediment Samples:

Each sediment sample was collected following the associated surface water sample at a point upstream to avoid contaminant introduction. The sediment samples were collected with lab cleaned dedicated stainless steel scoops and trowels at the 0-3 inch depth. The dedicated sampling equipment was decontaminated by the Bureau of Environmental Labs therefore, equipment field decontamination was unnecessary.

QC/QA:

Two (2) field blanks and two (2) trip blanks were conducted to determine quality assurance. A field blank was conducted for both the aqueous and non-aqueous matrices by pouring analyte free lab water, supplied by U.S. Testing Company, over the associated sampling equipment. The aqueous and non-aqueous trip blanks accompanied the samples throughout the sampling episode. A duplicate sample was collected for each matrix.

Field Sampling Log:

See Table I and Figure 1.

Discussion:

United States Testing Company did not provide a sufficient amount of ice to maintain the optimum sample preservation temperature (4°C). The blue ice shipped with the samples was thawed upon arrival to the EMS office on July 13, 1987. Additional ice was supplied by the NJDEP.

The Station 3 surface water sample was collected from a pool of standing water. A sediment blockage at Station 4 appeared to have choked off the flow to Station 3.

It should be noted that the Teflon lined screw cap used for the duplicate sediment VOA container (EN71487SD10) was originally used for sample's (EN71487SD2) VOA container. The cap was damaged while screwing the cap onto the VOA container. The cap was replaced with the cap from a unused container. It was decided by this writer to decontaminate the cracked cap with acetone and distilled/deionized water for use with the duplicate sample VOA container. The decision was based on the facts that extra containers were not supplied by U.S. Testing Company and that the damaged cap still provided a sufficient seal.

It was learned during the morning meeting with officials from NJDEP and Earle Naval Weapons Station (ENWS) that the environmental consulting firm of Roy F. Weston had been hired by ENWS to collect surface water samples at each of the six (6) on site stations. Michael Dennis, EMS explained that the NJDEP sampling team was not prepared to perform split sampling with Weston since there was no notification prior to the event. It was made clear to all personnel present that the samples collected by the NJDEP sampling team with containers supplied by Weston were indeed duplicate samples and not split samples. In addition to collecting duplicate surface water samples, the ENWS officials had arranged to video tape the entire on site sampling event (Stations 4-9) for their report.

Ambient air and sediment sample readings were taken with a HNu Photoionization Detector (PID) throughout the sampling episode. The readings remained at background levels throughout the day.

Conclusion:

All samples were collected in a scientifically sound manner following proper Quality Assurance Guidelines and conducted in accordance with NJDEP/DHSM Sampling Procedures Manual with the exception of the field decontaminated Teflon lined VOA screw cap as noted above. NJDEP Chain of Custody forms were completed for each sample therefore was preserved. The samples were delivered to U.S. Testing Company by Michael Dennis and Jerry Kashatus on July 14, 1987 at 2100 hrs.

Recommendations:

It is recommended that the office of Quality Assurance consider the following items when reviewing the analytical data.

- o The blue ice shipped with the trip and field blanks was thawed upon arrival to the EMS office.
- o The damaged Teflon lined screw cap used for EN71487SD10 (duplicate sample of EN71487SD3) VOA container was field decontaminated with acetone and distilled/deionized water after it came into contact with the sample collected at Station 2 (EN7148/SD2).
- o The trip and field blank VOA vials shipped with the samples to the site were not void of headspace as evidenced by air bubbles.

HS222:mm1

w/attachments

c: John M. Mateo, BEMQA
Charles Elmendorf, EMS
Nancy Spence, QAS
*Drew Kanjarpane, BSM
Michael Dennis, EMS
Jerry Kashatus, EMS
Linda Grayson, EMS

T A B L E I

EARLE NAVAL WEAPONS STATION - 7/14/87FIELD LOG

SAMPLE #	SAMPLE TIME	pH	DEPTH OF WATER (inches)*	DEPTH OF SAMPLE (inches)*	STREAM WIDTH (feet)*	SAMPLE COLLECTION POINT	RESEAL #	COMMENTS*
EN/1487SW1	0730	7.1	6 - 8	-	4	Center of stream	Dep 2	Station 1
EN71487SD1	0730	-	6 - 8	0 - 3	4	Center of stream	Dep 1	Station 1
EN7148/SW2	0800	6.9	14	-	4	Streambank	Dep 2	Station 2
EN71487SD2	0800	-	14	0 - 3	4	Streambank	Dep 1	Station 2
EN71487SW4	1130	4.6	18	-	20-25	Center of stream	Dep 2	Station 4
EN71487SD4	1130	-	12	0 - 3	4	South bank	Dep 1	Station 4
EN71487SW10 (Duplicate)	1130	4.6	18	-	20-25	Center of stream	Dep 3	Station 4 Duplicate of EN71487SW4
EN71487FB1	1140	-	-	-	-	Station 4	Dep 2	Field blank** (aqueous matrix)

SAMPLE #	SAMPLE TIME	pH	DEPTH OF WATER (inches)*	DEPTH OF SAMPLE (inches)*	STREAM WIDTH (feet)*	SAMPLE COLLECTION POINT	RESEAL #	COMMENTS*
EN71487FB2	1140	-	-	-	-	Station 4	Dep 1	Field blank** (non-aqueous matrix)
EN71487TB1	1140	-	-	-	-	Station 4	Dep 2	Trip blank** (aqueous matr.
EN71487TB2	1140	-	-	-	-	Station 4	Dep 1	Trip blank** (non-aqueous matrix)
EN71487SW5	1255	4.5	4	-	5	Center of stream	Dep 3	Station 5
EN71487SD5	1255	-	4	0 - 3	2	Center of stream	Dep 1	Station 5
EN71487SW6	1330	4.4	6	-	4	Center of stream	Dep 3	Station 6 5 ft. upstre culvert pipe
EN/1487SD6	1330	-	14	0 - 3	3	Center of stream	Dep 1	Station 6 30 ft. upstre of culvert pi

SAMPLE #	SAMPLE TIME	pH	DEPTH OF WATER (inches)*	DEPTH OF SAMPLE (inches)*	STREAM WIDTH (feet)*	SAMPLE COLLECTION POINT	RESEAL #	COMMENTS*
EN71487SW/	1420	5.1	1 - 6	-	3	Center of stream	Dep 3	Station 7
EN71487SD7	1420	-	1 - 6	0 - 3	3	Center of stream	Dep 1	Station 7 15 ft. upstream of aqueous sample
EN71487SW8	1450	5.5	6	-	1.5	Center of stream	Dep 3	Station 8
EN71487SD8	1450	-	4	0 - 3	2	Center of stream	Dep 1	Station 8 10 ft. upstream of aqueous sample
EN71487SW9	1510	5.6	3	-	4	Center of stream	Dep 3	Station 9
EN7148/SD9	1510	-	3	0 - 3	4	West bank	Dep 1	Station 9 10 ft. upstream of aqueous sample
EN71487SW3	1630	5.5	6	-	3	Center of stream	Dep 2	Station 3

SAMPLE #	SAMPLE TIME	pH	DEPTH OF WATER (inches)*	DEPTH OF SAMPLE (inches)*	STREAM WIDTH (feet)*	SAMPLE COLLECTION POINT	RESEAL #	COMMENTS*
EN71487SD3	1630	-	6	0 - 3	3.5	Center of stream	Dep 1	Station 3
EN71487SD10	1630	-	6	0 - 3	3.5	Center of stream	Dep 3	Station 3 Duplicate of EN71487SD3

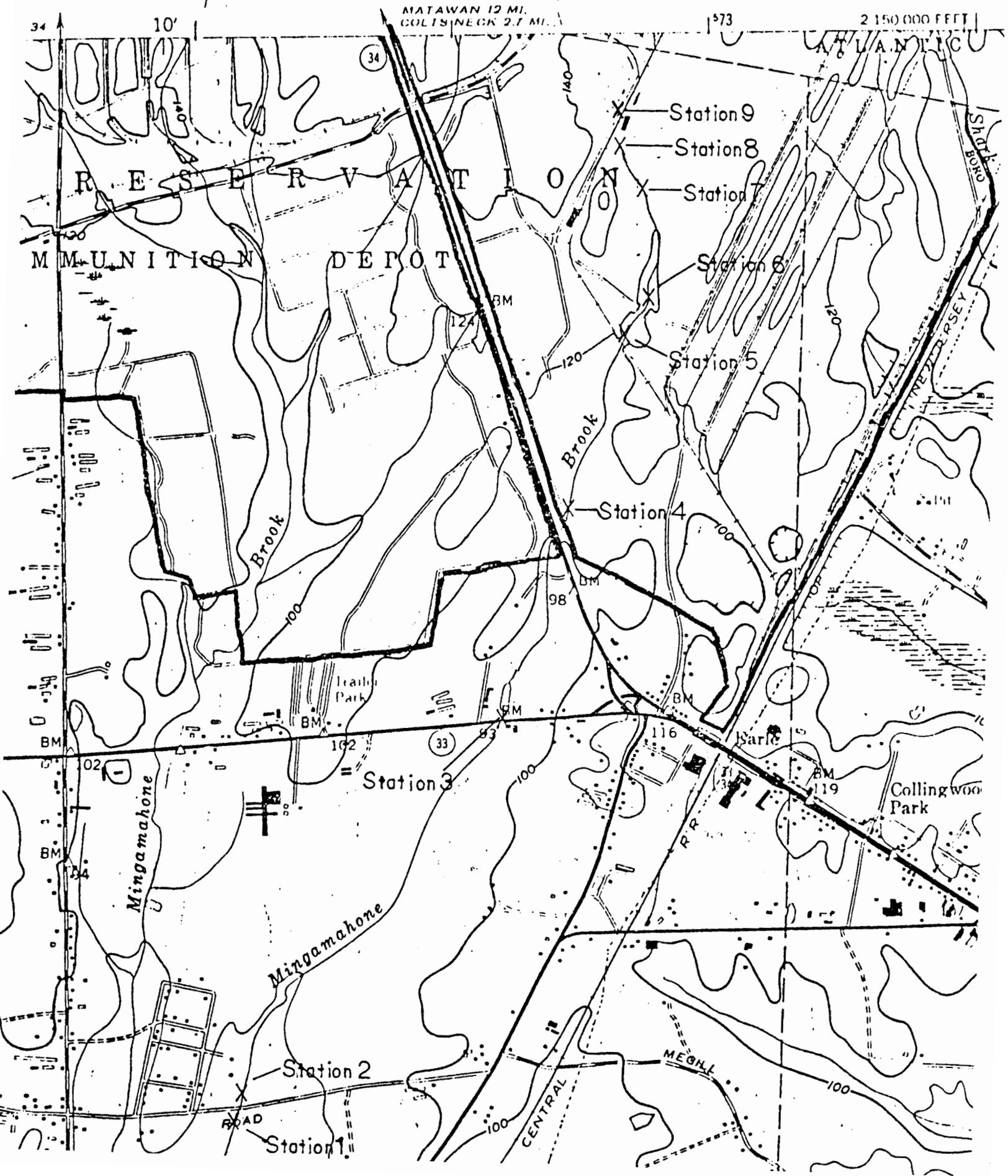
* Approximate measures.

** FB1 - VOA vials had air bubbles
FB2 - VOA vials had air bubbles
TB1 - VOA vials had air bubbles
TB2 - One (1) VOA vial had air bubbles

o All samples analyzed for (TCL) VOA, BN, Metals except trip blanks. Trip blanks analyzed for (TCL) VOAs only.

FIGURE 1 SAMPLE COLLECTION POINTS

FA. MINGDALE QUADRAN
NEW JERSEY
7.5 MINUTE SERIES (TOPOGRAPHIC)



CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NJDEP/DHSM/BIMQA 165 PROSPECT ST. TRENTON, NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle

Name U.S. TESTING Title _____ Agency _____

Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle — 1 — 1 — Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample

Name L. DOYLE Title HSMS IV
 Name M. DENNIS Title P.E.T.
 Name J. KASHATUS Title HSM II

Date Laboratory Sample Shuttle Seal No. Broken — 1 — 1 — Time (Mil) Seal Broken and Sampling Begun 1140

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71487TB1</u>	<u>TCL VOA</u>	<u>(2) 40 ml grad' glass</u>	<u>TRIP BLANK 1 (AQUEOUS MATRIX)</u>

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 7/14/87 Military Time 1830 Field Affixed Sample Shuttle Seal No. DEP2

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Name _____ Title _____

Field Sample Seal No. _____ Date Broken — 1 — 1 — Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. DENNIS</u>	<u>7/14/87</u>	<u>1830</u>	<u>TRANSFER TO LAB</u>
<u>M. DENNIS</u>		<u>7/14/87</u>		<u>SHIP TO LAB</u>

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON <i>ETHEL NAVAIR WEAPONS STATION</i>	CODE	MAILING ADDRESS <i>CO-13 NCCR NJ</i>
SAMPLE LOCATION		<i>MORRISTOWN COUNTY</i>

SAMPLE COLLECTOR

AMPLER(S) NAME <i>D. DOYLE</i>	DIVISION <i>LASM</i>		
NAME <i>M. DENNIS</i>	CONTRACT # <i>Y-085</i>	Task # <i>IV</i>	Report Format <i>I</i>

SAMPLE IDENTIFICATION

JDEP SAMPLE NO <i>EN714877B1</i>	SAMPLING DATE <i>7/14/87</i>	ABSCISSA (Longitude)
SAMPLE POINT ID <i>STATION 4</i>	TIME (MIL) SAMPLING BEGAN	ORDINATE (Latitude) <i>N/A</i>
SAMPLE SOURCE CODE <i>417 LAB WATER</i>	TIME (MIL) SAMPLING FINISHED <i>1140</i>	ELEVATION
REFERENCE POINT <i>TRIP BLANK</i>		

SAMPLING PROCESS

COLLECTION METHOD	Code	Other	SAMPLE TYPE	Code <i>NS</i>	Other <i>Lab water</i>
TYPE OF AMPLER	Code	Other	SAMPLE MATRIX	Code <i>200</i>	Other
DESCRIPTION <i>TRIP BLANK (AQUEOUS MATRIX)</i>					

FIELD MEASUREMENTS

TEMPERATURE °C	PARAMETER	PARAMETER	PARAMETER
IR TEMP. <i>90.5 RF</i>	VALUE	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	PRESERVATION CODE(S)
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REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	EMERG. EMERG. (Check One)	NON-EMERG.
<i>TCL VOA</i>	<i>2</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>

ANALYSIS(ES) AUTHORIZED BY <i>Paul Zaccillo</i>	TITLE <i>ASMS I</i>
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ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE	TITLE
LAB ID #	LAB CONTROL #	DATE
		TIME (MIL)

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NJDEP/DISM/EMCON 65 PROPERT ST. TRENTON NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle

Name U.S. TESTING Title _____ Agency _____
Name _____ Title _____ Agency _____

Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle — 1 — 1 — Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample
Name D. DOYLE Title HSMs II
Name M. DENNIS Title P.E.T.
Name J. KAHATUS Title HSMs II

Date Laboratory Sample Shuttle Seal No. Broken — 1 — 1 — Time (Mil) Seal Broken and Sampling Begun 1140

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71487FB1</u>	<u>TCL VOA</u>	<u>(2) 40 ml amber glass</u>	<u>FIELD BLANK 1 (AQUEOUS MATRIX)</u>
	<u>BIN</u>	<u>(2) 1/2 gal amber glass</u>	
	<u>METALS</u>	<u>(1) 1 liter plastic</u>	

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 7/14/87 Military Time 1830 Field Affixed Sample Shuttle Seal No. DEP 2

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample
Name _____ Title _____

Field Sample Seal No. _____ Date Broken — 1 — 1 — Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. Dennis</u>	<u>7/14/87</u>	<u>1830</u>	<u>TRANSFER TO LAB</u>
<u>M. DENNIS</u>		<u>7/14/87</u>		<u>SHIP TO LAB</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NJDCR/HAZM/STWQA 65 PROSPECT ST. TRENTON NJ 08611

Name of Person(s) Preparing Container(s) for Sample Shuttle
 Name J.S. Testing Title _____ Agency _____
 Name _____ Title _____ Agency _____
 Date above-mentioned Person(s) Affixed Container(s) in Sample Shuttle — 1 — / — 1 — Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample
 Name D. DOYLE Title -HSM5 IV
 Name M. DENNIS Title P.E.T.
 Name J. KASHANUS Title _____

Date Laboratory Sample Shuttle Seal No. Broken — 1 — / — 1 — Time (Mil) Seal Broken and Sampling Begun 1630

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN 71487SW3</u>	<u>TCL VOA</u>	<u>(2) 40ml amber glass</u>	<u>Surface water Station 3</u>
	<u>P/W</u>	<u>(2) 1/2 gal amber glass</u>	
	<u>Metals</u>	<u>(1) 1 liter plastic</u>	

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 07/14/87 Military Time 1830 Field Affixed Sample Shuttle Seal No. DEP2

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample
 Name _____ Title _____

Field Sample Seal No. _____ Date Broken — 1 — / — 1 — Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. DENNIS</u>	<u>7/14/87</u>	<u>1630</u>	<u>TRANSFER TO LAB</u>
<u>M. DENNIS</u>		<u>7/14/87</u>		<u>SHIP TO LAB</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NJ DEP / ENRM / ED 00A 65 PROCT ST. TRENTON, NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle
 Name U.S. Testing Title _____ Agency _____
 Name _____ Title _____ Agency _____
 Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle — 1 — 1 — Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample
 Name M. DENNIS Title F.E.T.
 Name D. DOYLE Title HSM5 IV
 Name J. KASHATJ Title HSM5 IV

Date Laboratory Sample Shuttle Seal No. Broken — 1 — 1 — Time (Mil) Seal Broken and Sampling Begun 1130

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN 71487 SW4</u>	<u>TCL VOA</u>	<u>(2) 40ml amber gross</u>	<u>Surface water Station 4</u>
	<u>B/N</u>	<u>(2) 2 gal. amber gross</u>	
	<u>Metal</u>	<u>(1) 1 liter plastic</u>	
LAB CONTROL NO.			

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 07 14 87 Military Time 1830 Field Affixed Sample Shuttle Seal No. DEP2

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample
 Name _____ Title _____

Field Sample Seal No. _____ Date Broken — 1 — 1 — Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. Dennis</u>	<u>7/14/87</u>	<u>1830</u>	<u>TRANSFER TO LAB</u>
<u>M. DENNIS</u>		<u>7/14/87</u>		<u>Ship to Lab</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NJDEP/ITSM/EMPA 65 PROSPECT ST. TRENTON NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle
 Name U.S. Testing Title _____ Agency _____
 Name _____ Title _____ Agency _____
 Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle — 1 — 1 — Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample
 Name M. DENNIS Title P.E.T.
 Name D. DOYLE Title HSMS II
 Name J. KASHATUS Title HSMS II
 Date Laboratory Sample Shuttle Seal No. Broken — 1 — 1 — Time (Mil) Seal Broken and Sampling Begun 1330

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71487SW6</u>	<u>TCL VOA</u>	<u>(2) 40ml amber glass</u>	<u>Surface water Station 6</u>
	<u>B/N</u>	<u>(2) 1/2 gal. amber glass</u>	
	<u>METALS</u>	<u>1 liter plastic</u>	
LAB CONTROL NO. 			

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 07/14/87 Military Time 1630 Field Affixed Sample Shuttle Seal No. 2EP3

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample
 Name _____ Title _____

Field Sample Seal No. _____ Date Broken — 1 — 1 — Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. DENNIS</u>	<u>7/14/87</u>	<u>1830</u>	<u>TRANSFER TO Lab</u>
<u>M. DENNIS</u>				<u>TRANSFER TO LAB</u>

SAMPLE ANALYSIS REQUEST FORM

SAMPLE LOCATION

NAME OF FACILITY/ COMPANY/PERSON <i>ENRLE NAVAL WEAPONS STATION</i>	CODE	MAILING ADDRESS <i>COLTS NECK, NJ</i>
SAMPLE LOCATION <i>STATION 8</i>		<i>MORRIS JH COUNTY</i>

SAMPLE COLLECTOR

SAMPLER(S) Name <i>D. DOYLE</i>	DIVISION <i>ZHSM</i>
Name <i>M. DENNIS</i>	CONTRACT # <i>X-085</i> Task # <i>IV</i> Report Format <i>II</i>

SAMPLE IDENTIFICATION

NJDEP SAMPLE NO. <i>EN71487 SWB</i>	SAMPLING DATE <i>7/14/87</i>	ABSCISSA (Longitude)
SAMPLE POINT ID <i>STATION 8</i>	TIME (MIL) SAMPLING BEGAN <i>1150</i>	ORDINATE (Latitude) <i>N/A</i>
SAMPLE SOURCE CODE <i>404</i>	TIME (MIL) SAMPLING FINISHED	ELEVATION
REFERENCE POINT <i>80' East of Lewis Rd. w/ RR TRACKS EAST OF IT. DOWNSTREAM LOCATION</i>		

SAMPLING PROCESS

COLLECTION METHOD Code <i>GRAB</i> Other	SAMPLE TYPE Code <i>102</i> Other
TYPE OF SAMPLER Code <i>323</i> Other <i>Sample Containers</i>	SAMPLE MATRIX Code <i>200</i> Other
DESCRIPTION <i>6" depth of water ; width of stream 2 1.5' @ stream</i>	

FIELD MEASUREMENTS

SAMPLE TEMP. °C	PARAMETER <i>pH</i>	PARAMETER	PARAMETER
AIR TEMP. <i>90's F</i>	VALUE <i>5.5</i>	VALUE	VALUE
WEATHER			

CHAIN-OF-CUSTODY IMPLEMENTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	PRESERVATION CODE(S) _____
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REQUESTED ANALYSIS(ES)

PARAMETERS (by Compound or Group of Compounds)	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	EMERG. EMERG. (Check One)
<i>TCL VOA</i>	<i>2</i>		<input checked="" type="checkbox"/>
<i>B/N</i>	<i>2</i>		
<i>METALS</i>	<i>1</i>		

ANALYSIS(ES) AUTHORIZED BY <i>Paul Zorrillo</i>	TITLE <i>HSMS I</i>
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ANALYZING LABORATORY

CONTRACT LAB NAME	PERSON ACCEPTING SAMPLE	TITLE
LAB ID #	LAB CONTROL #	DATE
		TIME (MIL)

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS MTCEP / CHSM / REMQA 65 PROSPECT ST. TRENTON NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle

Name U.S. Testing Title _____ Agency _____

Date above-mentioned Person(s) Sealed Container(s) in Sample Shuttle — 1 — 1 — Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample

Name D. DOYLE Title TTMS IV

Name M. DENNIS Title P.E.T.

Name J. KASHATUS Title TTMS IV

Date Laboratory Sample Shuttle Seal No. _____ Broken — 1 — 1 — Time (Mil) Seal Broken and Sampling Begun _____

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71487SW8</u>	<u>TCL VOA</u>	<u>(2) 40 ml amber glass</u>	<u>Surface water Station 8</u>
	<u>E/N</u>	<u>100 1/2 gal. amber glass</u>	
	<u>METALS</u>	<u>11 1.5 liter plastic</u>	

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 07/14/87 Military Time 1830 Field Affixed Sample Shuttle Seal No. 20P3

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Name _____ Title _____

Field Sample Seal No. _____ Date Broken — 1 — 1 — Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u> <u>M. DENNIS</u>	<u>M. DENNIS</u>	<u>7/14/87</u>	<u>1830</u>	<u>TRANSFER TO LAB</u> <u>TRANSFER TO LAB</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NJDEP/DIEM/BEINGA 65 PROSPECT ST. TRENTON, NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle

Name U.S. Testing Title _____ Agency _____

Name _____ Title _____ Agency _____

Date above-mentioned Person(s) Preparing Container(s) in Sample Shuttle 1/1/ Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample

Name D. DOYLE Title TEMS IV

Name M. DENNIS Title P.E.T.

Name J. KASHATUC Title TEMS IV

Date Laboratory Sample Shuttle Seal No. Broken 1/1/ Time (Mil) Seal Broken and Sampling Begun 1510

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71467SW9</u>	<u>TCL VOA</u>	<u>(2) 40 ml amber glass</u>	<u>Surface water Station 9</u>
	<u>CIN</u>	<u>(2) 1/2 gal. amber glass</u>	
	<u>METALS</u>	<u>(1) white plastic</u>	

LAB CONTROL NO.

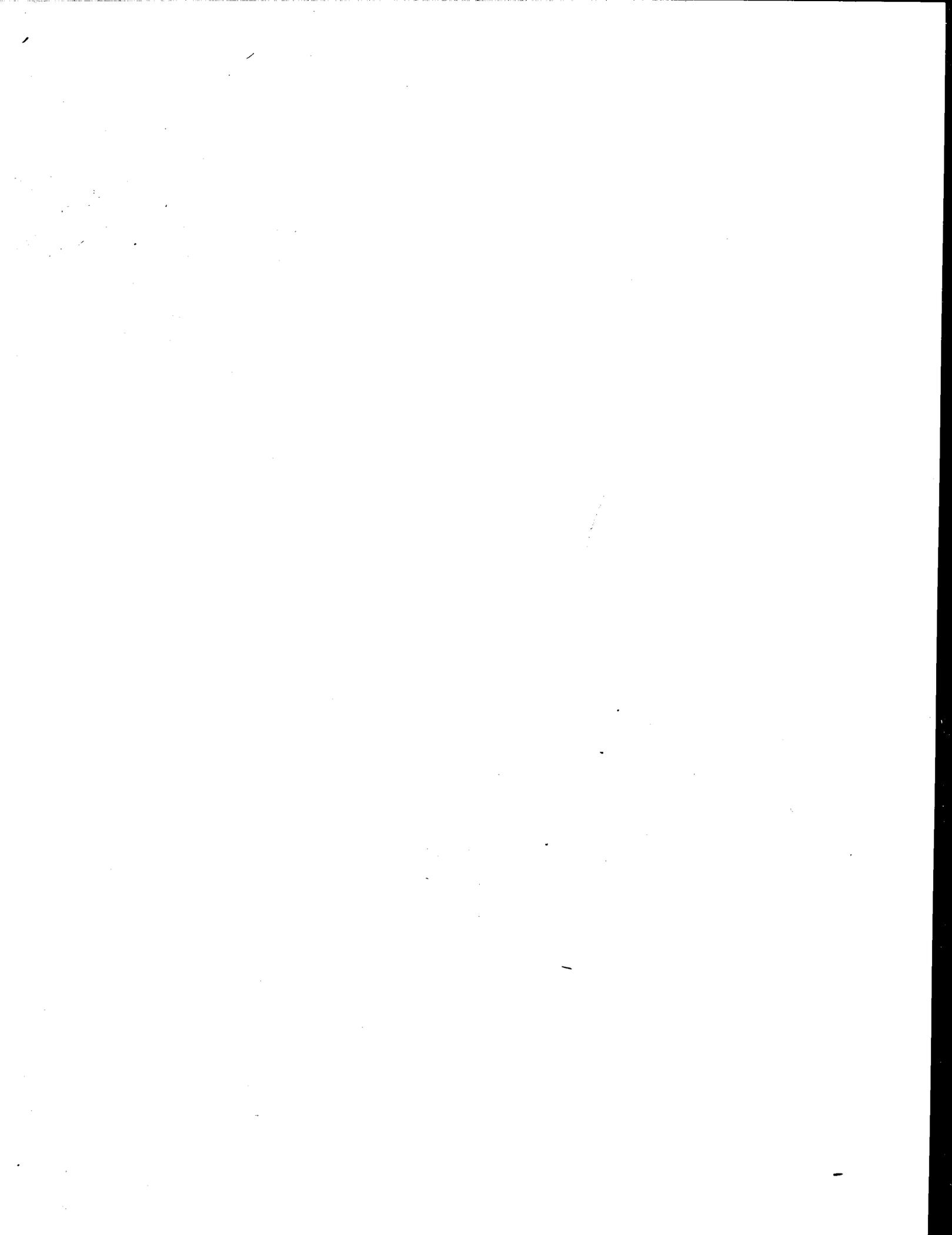
Date Sampling Completed & Field Seal Affixed to Sample Shuttle 07/14/87 Military Time 1830 Field Affixed Sample Shuttle Seal No. DCP 3

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Name _____ Title _____

Field Sample Seal No. _____ Date Broken 1/1/ Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. DENNIS</u>	<u>7/14/87</u>	<u>1830</u>	<u>TRANSFER TO LAB</u>
<u>M. DENNIS</u>				<u>TRANSFER TO LAB</u>



CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT / ID ADDRESS NJDEP/DTISM/BENIGNA 65 PROSPECT ST. TRENTON NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle
 Name U.S. Testing Title _____ Agency _____
 Name _____ Title _____ Agency _____
 Date above-mentioned Person(s) placed Container(s) in Sample Shuttle 7-1-87 Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample
 Name D. DOYLE Title HSMS IV
 Name M. DENNIS Title P.E.T.
 Name J. KASHATUS Title HSMS IV

Date Laboratory Sample Shuttle Seal No. Broken 7/12/87 Time (Mil) Seal Broken and Sampling Begun 1140

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71487FB2</u>	<u>TCL VOA</u>	<u>2: 4 @ ml amber glass</u>	<u>FIELD BLANK 2 (nonaqueous matrix)</u>
	<u>EN</u>	<u>2: 1/2 @ ml amber glass</u>	
	<u>METHODS</u>	<u>1 @ ml amber glass</u>	
LAB CONTROL NO.			

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 7/14/87 Military Time 1830 Field Affixed Sample Shuttle Seal No. DEP 1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample
 Name _____ Title _____

Field Sample Seal No. DEP 1 Date Broken 7-1-87 Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. Doyle</u>	<u>M. Dennis</u>	<u>7/1/87</u>	<u>6:30</u>	<u>TRANSFER TO LAB</u>
<u>M. Dennis</u>		<u>7/1/87</u>		<u>7:15 to 1:45</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NJDEP/DHSM/BENGA 65 PROSPECT ST. TRENTON, NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle
 Name U.S. Testing Title _____ Agency _____
 Name _____ Title _____ Agency _____
 Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle —/—/— Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample
 Name D. DOYLE Title HSMS II
 Name M. DENNIS Title P.E.T.
 Name J. KASHATUS Title HSMS II

Date Laboratory Sample Shuttle Seal No. Broken —/—/— Time (Mil) Seal Broken and Sampling Begun 0730

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71487SD1</u>	<u>(1) TCL WA</u>	<u>4oz. amber glass</u>	<u>Sediment Station 1</u>
	<u>(1) TCL P/W METALS</u>	<u>3oz. amber glass</u>	

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 07/14/87 Military Time 1630 Field Affixed Sample Shuttle Seal No. DEP1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample
 Name _____ Title _____

Field Sample Seal No. _____ Date Broken —/—/— Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. Dennis</u>	<u>7/14/87</u>	<u>1630</u>	<u>TRANSFER TO LAB</u>
<u>M. Dennis</u>		<u>7/14/87</u>		<u>DR. P.S. T.H.7 L.P.</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT ADDRESS NJDEP/DHSM/REMEDIATION 66 PROSPECT ST. TRENTON NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle

Name U.S. Testing Title _____ Agency _____

Name _____ Title _____ Agency _____

Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle 7/12/87 Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample

Name D. DOYLE Title HISMS II

Name M. DENNIS Title P.E.T.

Name _____ Title _____

Date Laboratory Sample Shuttle Seal No. Broken 1/1 Time (Mil) Seal Broken and Sampling Begun _____

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN 71487SD2</u>	<u>(1) TEL VOA</u>	<u>4 oz.</u>	<u>Sediment Station 2</u>
	<u>(1) TEL B/N; METAL</u>	<u>2 oz.</u>	

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 07/14/87 Military Time 10:30 Field Affixed Sample Shuttle Seal No. DSP1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Name _____ Title _____

Field Sample Seal No. DSP1 Date Broken 1/1 Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. Dennis</u>	<u>7/14/87</u>	<u>6:30PM</u>	<u>TRANSFER TO LAB</u>
<u>M. Dennis</u>		<u>7/14/87</u>		<u>SHIP TO LAB</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NJOEP/THRM/GENWA 65 PROSPECT ST. TRENTON NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle
 Name U.S. Testing Title _____ Agency _____
 Name _____ Title _____ Agency _____
 Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle 7/13/87 Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample
 Name M. DENNIS Title P.E.T.
 Name D. DOYLE Title ASMS IV
 Name _____ Title _____
 Date Laboratory Sample Shuttle Seal No. Broken 7/13/87 Time (Mil) Seal Broken and Sampling Begun _____

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN 71487SD3</u>	<u>(1) VOA</u>	<u>4 oz. amber glass</u>	<u>Sediment Station 3</u>
	<u>(1) B/N ; METALS</u>	<u>2 oz. amber glass</u>	

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 07/14/87 Military Time _____ Field Affixed Sample Shuttle Seal No. DEP1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample
 Name _____ Title _____
 Field Sample Seal No. DEP1 Date Broken 7/14/87 Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. Dennis</u>	<u>7/14/87</u>	<u>1:30</u>	<u>TRANSFER TO LAB</u>
				<u>SEP TO EHS</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS MT. DEEP/DELMAR/ROCKAWAY 65 PROSPECT ST. TRENTON, NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle
 Name U.S. Testing Title _____ Agency _____
 Name _____ Title _____ Agency _____
 Date above-mentioned Person(s) Sealed Container(s) in Sample Shuttle 1/1/87 Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample
 Name D. DOYLE Title HEHS IV
 Name M. DENNIS Title P.E.T.
 Name J. DENNIS Title _____

Date Laboratory Sample Shuttle Seal No. Broken 1/1/87 Time (Mil) Seal Broken and Sampling Begun _____

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71487SD4</u>	<u>(1) VOA</u>	<u>4oz. amber glass</u>	<u>Sediment Station 4</u>
	<u>(1) B/N ; METALS</u>	<u>5oz. amber glass</u>	

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 1/1/87 Military Time 1330 Field Affixed Sample Shuttle Seal No. DEP1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample
 Name _____ Title _____

Field Sample Seal No. _____ Date Broken 1/1/87 Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u> <u>M. DENNIS</u>	<u>M. DENNIS</u>	<u>1/1/87</u> <u>7/1/87</u>	<u>1330</u>	<u>TRANSFER TO LAB</u> <u>DEP 1</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS N. DEP / JHM / BIRDA 65 PROSPECT ST. TRENTON NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle

Name U.S. Testing Title _____ Agency _____

Name _____ Title _____ Agency _____

Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle 2/3/87 Military Time _____ Laboratory Affixed Sample Shuttle Seal No. 116

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample

Name D. DOYLE Title HMS IV

Name M. DENNIS Title P.E.T.

Name J. KASHOUS Title HMS IV

Date Laboratory Sample Shuttle Seal No. Broken 2/19/87 Time (Mil) Seal Broken and Sampling Begun _____

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71487SD5</u>	<u>(1) TCL VOA</u>	<u>4oz. amber glass</u>	<u>Sediment Station 5</u>
	<u>(1) TCL E/W METALS</u>	<u>8oz. amber glass</u>	

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 2/1/87 Military Time 10:00 Field Affixed Sample Shuttle Seal No. 2871

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Name _____ Title _____

Field Sample Seal No. 2871 Date Broken 1/1/87 Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. Dennis</u>	<u>2/1/87</u>	<u>6:00</u>	<u>TRANSFER TO LAB</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NJDEP / DHEM / REMSA 125 PROSPECT ST. TRENTON, NJ 08618

Name of Person(s) Preparing Container(s) for Sample Shuttle
 Name U.S. Testing Title _____ Agency _____
 Name _____ Title _____ Agency _____
 Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle — 1 — 1 — Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample
 Name D. DOYLE Title HISMS IV
 Name M. DENNIS Title P.E.T.
 Name _____ Title _____

Date Laboratory Sample Shuttle Seal No. Broken 7/15/87 Time (Mil) Seal Broken and Sampling Begun _____

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71487SD6</u>	<u>(1) TCC VOA</u>	<u>4oz amber glass</u>	<u>Sediment Station 6</u>
	<u>(1) TCC B/N METALS</u>	<u>502.0-amber glass</u>	

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 07/15/87 Military Time 1:30 PM Field Affixed Sample Shuttle Seal No. DSP1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample
 Name _____ Title _____

Field Sample Seal No. DSP1 Date Broken — 1 — 1 — Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. Dennis</u>	<u>7/15/87</u>	<u>1:30 PM</u>	<u>TRANSFER TO LAB</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NJDEP/DEM/BEMER 65 PROSPECT ST. TRENTON NJ 08615

Name of Person(s) Preparing Container(s) for Sample Shuttle

Name J. TESTING Title _____ Agency _____

Name _____ Title _____ Agency _____

Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle 7/12/87 Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample

Name J. DOYLE Title ASMS IV

Name M. DENNIS Title P.E.T.

Name J. KRISTOS Title ASMS IV

Date Laboratory Sample Shuttle Seal No. _____ Broken 7/13/87 Time (Mil) Seal Broken and Sampling Begun _____

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN71487 SDS</u>	<u>TCL VOA</u>	<u>4oz. unbrigs</u>	<u>SEDIMENT STATION 8</u>
	<u>TCL B/N, METAL</u>	<u>8oz. unbrigs</u>	

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 7/14/87 Military Time 1:31 PM Field Affixed Sample Shuttle Seal No. DEP1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Name _____ Title _____

Field Sample Seal No. DEP1 Date Broken 7/14/87 Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u> <u>M. Dennis</u>	<u>M. Dennis</u>	<u>7/14/87</u> <u>7/14/87</u>	<u>1230</u>	<u>TRANSFER TO LAB</u> <u>11:12 AM</u>

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for DEP Field Use Only

NAME OF UNIT AND ADDRESS NRDEP / TRISM / REMCA 65 PROSPECT ST. TRENTON, NJ 08616

Name of Person(s) Preparing Container(s) for Sample Shuttle

Name U.S. TESTING Title _____ Agency _____

Name _____ Title _____ Agency _____

Date above-mentioned Person(s) Placed Container(s) in Sample Shuttle — 1 — 1 — Military Time _____ Laboratory Affixed Sample Shuttle Seal No. _____

Name of Person(s) Breaking Laboratory Seal on Sample Shuttle and Taking Field Sample

Name D. DOYLE Title HSEMS IV
 Name M. DENNIS Title P.E.T.
 Name J. KRISHNAN Title IDENT.

Date Laboratory Sample Shuttle Seal No. Broken 2/15/87 Time (Mil) Seal Broken and Sampling Begun _____

FIELD SAMPLE NUMBER	CONTAINER NUMBER(S)	VOLUME OF CONTAINERS	DESCRIPTION OF SAMPLE
<u>EN 71487SD9</u>	<u>TCL VOA</u>	<u>4oz. amber glass</u>	<u>Sediment Station 9</u>
	<u>TCL B/P; METALS</u>	<u>8oz. amber glass</u>	

LAB CONTROL NO.

Date Sampling Completed & Field Seal Affixed to Sample Shuttle 07/14/87 Military Time 6:30 PM Field Affixed Sample Shuttle Seal No. DSP1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name _____ Title _____

Field Sample Seal No. DSP1 Date Broken — 1 — 1 — Military Time Seal Broken _____

SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<u>D. DOYLE</u>	<u>M. New</u>	<u>7/14/87</u>	<u>6:30 PM</u>	<u>TRANSFER TO LAB</u>
<u>M. Dennis</u>		<u>7/16/87</u>		<u>CHANGING</u>

GO MESSENGER SERVICE

240 Midland Avenue
 Garfield, N.J. 07026
 (201) 478-7050
 (212) 564-7481

JOB #: 99396		DATE: 7-13-87		
NO. OF PIECES 3	WEIGHT	PICKED UP BY ROBT	TRANSFER	DELIVERED BY ROBT

CHARGE TO:

PICK-UP FROM:
 ATTENTION:

U.S. Testing
 1415 ~~XXXXXX~~ Park Ave.
 Hoboken, NJ

REC'D IN GOOD CONDITION BY X Robert Mervie

DELIVERY TO:
 ATTENTION: Garriolo Paul Zavello
 NJ DEP
 65 Prospect St.
 Trenton, NJ

REC'D IN GOOD CONDITION BY X David Wojcik

COMMENTS: Loading dock 7 guard. waiting 40 min. time	SUMMARY OF CHARGES		
	BASE RATE		
	WEIGHT		
	DELAY TIME		
	OTHER:		
TOTAL CHARGE:			

FREIGHT COLLECT AMOUNT	CHK #	C.O.D. AMOUNT	CHK #
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