NBN - 00081 - 03.04 - 04/29/83

(804) 444-9566

114:JGW:pkk
11300

29 APR 1983

From: Commander, Atlantic Division, Naval Facilities Engineering Command
To: Commander, Naval Facilities Engineering Command

Subj: Amended Pollution Control Report (PCR) Exhibit Information and Funding Request; forwarding of

Ref: (a) NAVFACINST 6240.3A
(b) LANTNAVFACENGCOM ltr 114:SDG:sew 6280 of 22 Feb 1983
(c) NAVENENVSA ltr 112N:WSK:seh 11100/1:273 Ser 1782 of 18 Oct 1982

Encl: (1) Amended PCR Exhibit for NACIP Confirmation Study at Sewells Point Naval Complex, Norfolk
(2) Proposed Scope of Work
(3) Centec Analytical Services, Inc., Report 16 Feb 1983/34
(4) Centec Analytical Services, Inc., Report 7 Apr 1983/55
(5) Environmental Testing and Certification Reports 88909 and 8910

1. In accordance with reference (a), enclosures (1) and (2) are forwarded to supersede reference (b) submittal. The substantive changes result from in-house determination that Site 4 (P-71 Transformer Storage Yard) and Site 5 (V-95 Pesticide Disposal Site) as contaminated. Confirmation study estimated funding requirement is adjusted upward by $28,000 in accordance with reference (c) to include these sites.

2. Enclosure (3) documents level of PCB contamination found at P-71 site, while enclosures (4) and (5) apply to the V-95 french drain.

3. LANTNAVFACENGCOM point of contact is Mr. Jerry Wallmeyer at (804) 444-9566 or AUTOVON 690-9566.

J. R. BAILEY
By direction

Copy to:
COMNAVBASE NORFOLK
NSC NORFOLK
NAS NORFOLK
PWC NORFOLK
NAVSTA NORFOLK
NAVENENVSA
NAVAIREWORKFAC NORFOLK
CINCLANTFLT (NH-93)

Wallmeyer
Kemp
4/27/83
nr

09A21A

Blind Copy to: 114, 114A:SDG, 114S, 09BS(w/o encl). Doc #0066c.

ENCLOSURE

NBN-00081-03.04-04/29/83

ENVIRONMENTAL POLLUTION CONTROL REPORT (PCR)
PROPOSED PROJECT REPORT
EXHIBIT INFORMATION

MEDIA: CERCLA EFD: LANTDIV UIC: N62470
PROJECT NO.:

+ PROJECT NAME: NACIP Confirmation Study +

FACILITY: Atlantic Division, Naval Facilities Engineering Division
ADDRESS: Norfolk VA
AGENCY CONTACT: Sharon Gatling, Management Assistant, AV 690-9579

FUND CMD: NAVFAC APPN: O&MN
STATUS: PP

INTERNAL PROJECT NUMBER: _____

+ COST OF POLLUTION CONTROL MEASURES IN THOUSANDS OF DOLLARS: +

FY	DESIGN	FUNDED	CONSTR	FUNDED
83	0	No	180	No

TOTAL COST: 180

+ AGENCY PROJECT SCHEDULE DATES +

DESIGN (START):		
DESIGN (COMPLETION):		
CONSTR (START):	JUN	83
CONSTR (COMPLETION):	DEC	84
FINAL COMPLIANCE:	DEC	84
REG FINAL COMPLIANCE:	DEC	80

+ CONGRESSIONAL AUTHORITY DATES: MCON +

	(MO / YEAR)	
SCHEDULED:		
REQUESTED:		
RECEIVED:		
35% DESIGN COMPLETION		

+ OTHER PCR DATES +

APPROVED:		
PREPARED:	FEB	83
REVISED:		

+ INFO FOR NEESA USE +

POLLUTANT CATEGORY HAZD
POLLUTANT SOURCE
CORRECTIVE ACTION
NAVFAC PROGRAM ELEMENT
EPA CODE HIGH NOP ESDF PCS

PRIORITY
VARIOUS LOCATIONS
MAJOR REVISION
LEGAL ACTION CODE
LEGAL CITATION

Enclosure (1)

NBN-00081-03.04-04/29/83

ENVIRONMENTAL POLLUTION CONTROL REPORT (PCR)
PROPOSED PROJECT REPORT
EXHIBIT INFORMATION

MEDIA: CERCLA EFD: LANTDIV UIC: N62470
PROJECT NO.:

+ PROJECT NAME: NACIP Confirmation Study +

1. PROBLEM STATEMENT

0001 NACIP IAS documented 6 sites at Sewells Point
0002 Naval complex potentially contaminated which may
0003 impact health/environment.
0010 Type of pollution: possible ground and surface water contamina-
0020 tion with acid, bases, solvents, sludges, pestices, metals.
0030 Amount of pollution: indeterminant. Pollution sources: sites
0040 include landfills, storage yards, and french drain. Existing
0050 treatment/effectiveness: none.

2. REMEDIAL ACTION

0001 Initiate studies to verify contamination and
0002 evaluate migration: assess potential health/en-
0003 vironmental effects.
0010 Establish monitoring wells, collect soil, ground and surface
0020 water samples, analyze for chemical/physical parameters. Conduct
0030 geophysical/geohydrological tests and measurements. Verify con-
0040 tamination and determine extent and rate of migrate. Assess
0050 against standards, criteria, and research literature to determine
0060 need for further (Remedial) action.

3. APPLICABLE STANDARDS

0001 CERCLA Section 104 (b); State Water Control Law
0002 Section 62.1-44.2, VA Water Quality Stds. Section
0003 62.1-44.15(3) of the Code of Virginia (1950).
0010 Federal and State laws and regulations for health, safety, and
0020 environmental protection and pollution abatement shall be used
0030 in the conduct of this confirmation study.
0040
0050

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+++++++++++++++++++++++++++++
+ 4.  OTHER PCR INFORMATION +
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0010 Site 1 Camp Allen Landfill and Salvage Yard; Site 2 NM Slag Pile;
0020 Site 3 Q Area Drum Storage Compound; Site 4 P-71 Transformer
0030 Storage Yard; Site 5 V-95 Pesticide Disposal Site; and Site 6 CD
0040 Landfill. Sites 1-5 to be studied under contract. Site 6 being
0050 monitored by PWC/LANTDIV with PWC funding analyses.

Commander WACIP NBN-00081-03.04-04/29/83

CENTEC ANALYTICAL SERVICES, INC.
A SUBSIDIARY OF THE CENTEC CORPORATION

P. O. BOX 956
2160 INDUSTRIAL DRIVE
SALEM, VIRGINIA 24153
(703) 387-3995

— ANALYTICAL RESULTS REPORT —

Mr. David Goodwin
Atlantic Division Code 1143
Naval Facilities Engineering Command
Norfolk, VA 23411

Re: Soil Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 16 February 1983/34

SAMPLES COLLECTED: 26 January 1983

BY: Navy personnel

SAMPLES RECEIVED IN LAB: 28 January 1983: 0915

ANALYSIS FOR: Polychlorinated Biphenyls (PCBs)

METHOD OF ANALYSIS: Liquid-Solid Extraction, Electron Capture Gas Chromatography; EPA-600/4-81-045

CAS No	Description	PCB Results (µg/g-ppm)
28415	P-71 Transf. Storage Yard 1125 Sample #1 In front of Racks 0-6"	37 Arochlor 1260
28416	P-71 Transf. Storage Yard 1135 Sample #2 Corner of lot 0-6"	5 Arochlor 1260
28417	P-71 Transf. Storage Yard 1145 Sample #3 N.E. Corner of lot 0-6"	13 Arochlor 1260
28418	P-71 Transf. Storage Yard 1150 Sample #4 Next to RR Tracks & Fence drainage area 0-6"	420 Arochlor 1260
28419	P-71 Transf. Storage Yard 1205 Sample #5 Tracks drainage area outside (east) of compound 0-6"	1300 Arochlor 1260

If you have any questions or comments concerning this report, please do not hesitate to contact us.

Prepared by:

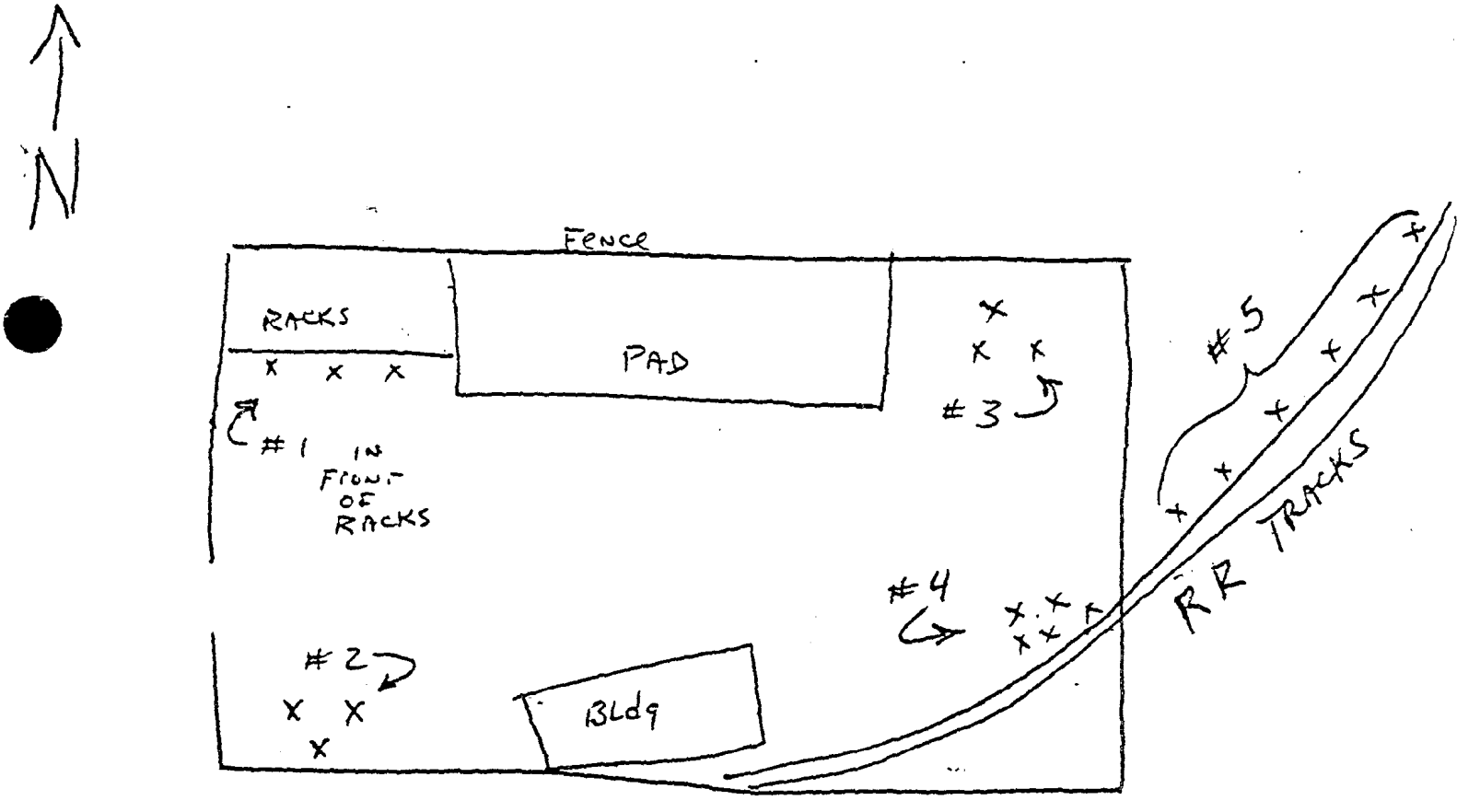
CENTEC ANALYTICAL SERVICES

David F. Tompkins
Chemist

NBN-00081-03.04-04/29/83

NORFOLK NAVAL BASE

P-71 TRANSFORMER STORAGE YARD
SOIL SAMPLING FOR PCB



#1	IN FRONT OF RACKS	1125	1-26-83
#2	SW CORNER	1135	1-26-83
#3	NE CORNER	1145	1-26-83
#4	AROUND TRACKS	1150	1-26-83
#5	ALONG TRACKS/DRAINAGE AREA	1205	1-26-83

by: WAYNE MILLER (PWC) / JERRY WALLMEYER (LANTNAVFACENGCOM)

NBN-00081-03.04-04/29/83

CENTEC ANALYTICAL SERVICES, INC.
A SUBSIDIARY OF THE CENTEC CORPORATION

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SALEM, VIRGINIA 24153
(703) 387-3995

— ANALYTICAL RESULTS REPORT —

Mr. David Goodwin
Atlantic Division Code 1143
Naval Facilities Engineering Command
Norfolk, VA 23411

Re: Soil Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 07 April 1983/55

SAMPLE COLLECTED: 31 January 1983

BY: Navy personnel

SAMPLE RECEIVED IN LAB: 02 February 1983: 1500

ANALYSIS FOR: Ortho Phosphate (PO_4), Lindane, Endrin, Methoxychlor, Toxaphene

METHOD OF ANALYSIS: Re: Federal Register, Vol. 44, No. 233, 03 December 1979

CAS No. 28471 - 28235

Results are shown on the following page.

If you have any questions or comments concerning this report, please do not hesitate to contact us.

Prepared by:

CENTEC ANALYTICAL SERVICES

David F. Tompkins
Chemist

DFT/bb

ENCLOSURE (4)

CAS No.	Description	PO_4 (mg/l)	Lindane (mg/l)	Endrin (mg/l)	Methoxychlor (mg/l)	Toxaphene (mg/l)
28471	Sample No. V-95-1' depth	0.14	<0.4	<0.02	<10.0	<0.5
28472	Sample No. V-95-2' depth	0.06	<0.4	<0.02	<10.0	<0.5
28473	Sample No. V-95-3' depth	----	<0.4	<0.02	<10.0	<0.5
28474	Sample No. V-95-4' depth	----	<0.4	<0.02	<10.0	<0.5
28475	Sample No. V-95-5' depth	----	<0.4	<0.02	<10.0	<0.5

Note: Please refer to the enclosed technical reports from ETC for the Volatile Organic analysis results.

NBN-00581 - 03.04 - 04/29/83

ETC ENVIRONMENTAL TESTING and CERTIFICATION

March 9, 1983

TABLE 1: QUANTITATIVE RESULTS and QUALITY ASSURANCE DATA

Volatile Compounds – GC/MS Analysis Data (QR01)

Chain of Custody Data Required for ETC Data Management Summary Reports

ETC Sample No.	Company	Facility	Sample Point	Date	Time	Elapsed Hours
B8909	Center Analytical Services	CAS#28473				

NPDES Number	Compound	Results		QC Replicate		QC Blank and Spiked Blank			QC Matrix Spike		
		Sample Concen. ug/kg	MDL ug/kg*	First ug/kg	Second ug/kg	Blank Data ug/kg	Amount Added ug	% Recov	Unspiked Sample ug	Amount Added ug	% Recov
1V	Acrolein	ND	500	ND	ND	ND	8.000	96	ND	8.000	123
2V	Acrylonitrile	ND	500	ND	ND	ND	0.800	101	ND	0.800	108
3V	Benzene	BMDL	50	ND	ND	ND	0.180	95	ND	0.180	93
4V	bis(Chloromethyl)ether	ND	50	ND	ND	ND	0	-	ND	0	-
5V	Bromoform	ND	50	ND	ND	ND	0.180	91	ND	0.180	67
6V	Carbon tetrachloride	ND	50	ND	ND	ND	0.180	89	ND	0.180	78
7V	Chlorobenzene	ND	50	ND	ND	ND	0.180	89	ND	0.180	73
8V	Chlorodibromomethane	ND	50	ND	ND	ND	0.180	92	ND	0.180	77
9V	Chloroethane	ND	50	ND	ND	ND	0.180	91	ND	0.180	128
10V	2-Chloroethylvinyl ether	ND	50	ND	ND	ND	0.180	101	ND	0.180	123
11V	Chloroform	ND	50	ND	ND	ND	0.180	93	ND	0.180	92
12V	Dichlorobromomethane	ND	50	ND	ND	ND	0.180	95	ND	0.180	101
13V	Dichlorodifluoromethane	ND	50	ND	ND	ND	0	-	ND	0	-
14V	1,1-Dichloroethane	ND	50	ND	ND	ND	0.180	89	ND	0.180	97
15V	1,2-Dichloroethane	ND	50	ND	ND	ND	0.180	98	ND	0.180	104
16V	1,1-Dichloroethylene	ND	50	ND	ND	ND	0.180	94	ND	0.180	97
17V	1,2-Dichloropropane	ND	50	ND	ND	ND	0.180	98	ND	0.180	106
18V	1,3-Dichloropropylene	ND	50	ND	ND	ND	0.180	94	ND	0.180	87
19V	Ethylbenzene	3340	50	ND	ND	ND	0.180	92	ND	0.180	9
20V	Methyl bromide	ND	50	ND	ND	ND	0.180	75	ND	0.180	16
21V	Methyl chloride	ND	50	ND	ND	ND	0.180	77	ND	0.180	101
22V	Methylene chloride	107	50	522	403	BMDL	0.180	62	0.385	0.180	85
23V	1,1,2,2-Tetrachloroethane	ND	50	ND	ND	ND	0.180	121	ND	0.180	138
24V	Tetrachloroethylene	ND	50	26	19	ND	0.180	80	0.003	0.180	52
25V	Toluene	ND	50	101	63	ND	0.180	89	ND	0.180	87
26V	1,2-Trans-dichloroethylene	ND	50	21	16	ND	0.180	122	0.020	0.180	122
27V	1,1,1-Trichloroethane	ND	50	9	5	ND	0.180	86	0.006	0.180	80
28V	1,1,2-Trichloroethane	ND	50	ND	ND	ND	0.180	91	ND	0.180	88
29V	Trichloroethylene	ND	50	8	4	ND	0.180	89	ND	0.180	86
30V	Trichlorofluoromethane	ND	50	ND	ND	ND	0.180	86	ND	0.180	81
31V	Vinyl chloride	ND	50	ND	ND	ND	0.180	78	ND	0.180	106

* ETC established Method Detection Limit for this particular sample.

AIBU-00081-03.04-04/29/83

ETC ENVIRONMENTAL TESTING and CERTIFICATION

March 10, 1983

TABLE 1: QUANTITATIVE RESULTS and QUALITY ASSURANCE DATA

Volatile Compounds – GC/MS Analysis Data (QR01)

Chain of Custody Data Required for ETC Data Management Summary Reports

ETC Sample No.	Company	Facility	Sample Point	Date	Time	Elapsed Hours
88910	Center Analytical Services	CAS#28475				

NPDES Number	Compound	Results		QC Replicate		QC Blank and Spiked Blank			QC Matrix Spike		
		Sample Concen. ug/kg	MDL ug/kg*	First ug/kg	Second ug/kg	Blank Data ug/kg	Amount Added ug	% Recov	Unspiked Sample ug	Amount Added ug	Recov
1V	Acrolein	ND	3333	ND	ND	ND	8.000	96	ND	8.000	123
2V	Acrylonitrile	ND	3333	ND	ND	ND	0.800	101	ND	0.800	108
3V	Benzene	ND	333	ND	ND	ND	0.180	95	ND	0.180	93
4V	bis(Chloromethyl)ether	ND	333	ND	ND	ND	0	-	ND	0	-
5V	Bromoform	ND	333	ND	ND	ND	0.180	91	ND	0.180	67
6V	Carbon tetrachloride	ND	333	ND	ND	ND	0.180	89	ND	0.180	78
7V	Chlorobenzene	ND	333	ND	ND	ND	0.180	89	ND	0.180	73
8V	Chlorodibromomethane	ND	333	ND	ND	ND	0.180	92	ND	0.180	77
9V	Chloroethane	ND	333	ND	ND	ND	0.180	91	ND	0.180	128
10V	2-Chloroethylvinyl ether	ND	333	ND	ND	ND	0.180	101	ND	0.180	123
11V	Chloroform	ND	333	ND	ND	ND	0.180	93	ND	0.180	92
12V	Dichlorobromomethane	ND	333	ND	ND	ND	0.180	95	ND	0.180	101
13V	Dichlorodifluoromethane	ND	333	ND	ND	ND	0	-	ND	0	-
14V	1,1-Dichloroethane	ND	333	ND	ND	ND	0.180	89	ND	0.180	97
15V	1,2-Dichloroethane	ND	333	ND	ND	ND	0.180	98	ND	0.180	104
16V	1,1-Dichloroethylene	ND	333	ND	ND	ND	0.180	94	ND	0.180	97
17V	1,2-Dichloropropane	ND	333	ND	ND	ND	0.180	98	ND	0.180	106
18V	1,3-Dichloropropylene	ND	333	ND	ND	ND	0.180	94	ND	0.180	87
19V	Ethylbenzene	38000	333	ND	ND	ND	0.180	92	ND	0.180	[illegible]
20V	Methyl bromide	BMDL	333	ND	ND	ND	0.180	75	ND	0.180	100
21V	Methyl chloride	446	333	ND	ND	ND	0.180	77	ND	0.180	101
22V	Methylene chloride	527	333	522	403	BMDL	0.180	62	0.385	0.180	85
23V	1,1,2,2-Tetrachloroethane	ND	333	ND	ND	ND	0.180	121	ND	0.180	138
24V	Tetrachloroethylene	ND	333	26	19	ND	0.180	80	0.003	0.180	52
25V	Toluene	7850	333	101	63	ND	0.180	89	ND	0.180	87
26V	1,2-Trans-dichloroethylene	ND	333	21	16	ND	0.180	122	0.020	0.180	122
27V	1,1,1-Trichloroethane	ND	333	9	5	ND	0.180	86	0.006	0.180	80
28V	1,1,2-Trichloroethane	ND	333	ND	ND	ND	0.180	91	ND	0.180	88
29V	Trichloroethylene	ND	333	8	4	ND	0.180	89	ND	0.180	86
30V	Trichlorofluoromethane	ND	333	ND	ND	ND	0.180	86	ND	0.180	81
31V	Vinyl chloride	ND	333	ND	ND	ND	0.180	78	ND	0.180	106

* ETC established Method Detection Limit for this particular sample.

NBN-000181-03.04-04/29/83