

The United States Environmental Protection Agency will be collecting soil samples in Middletown and surrounding communities as part of a national study to characterize ambient soil levels of dioxins and related pollutants. The Middletown area is being sampled as a control or background site because it is a clean, medium-sized community with major industry not associated with chemical manufacturing. Middletown was chosen so that data from other areas having chemical production facilities associated with dioxins can be compared with data from areas such as Middletown that have major industry, but no chemical production associated with dioxins.

According to Gary Amendola, EPA's project manager for this study, EPA does not expect to find levels of dioxin or other pollutants in soils from the Middletown area that would pose public health or environmental concerns.

The Ohio Environmental Protection Agency, the City of Middletown, and ARMO, Inc. are cooperating with the U.S. EPA in this study. Most of the soil samples will be taken in Middletown from parks and other public areas. Sampling will begin ^{DURING THE} ~~SECOND WEEK~~ ^{OF NOVEMBER} and probably be completed within ^{ONE} ~~TWO~~ weeks. The results of the study are expected by late spring of next year.

As part of this study, the U.S. EPA has sampled soils in Midland, Michigan, where the Dow Chemical Company has major manufacturing facilities and in two natural areas in Minnesota that are not directly impacted by nearby industrial operations. From 10 to 20 background sites across the country with different characteristics will also be sampled during the next year.

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June 22, 1984

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1. Howard Zar

2.

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REMARKS

Attached is a copy of the Work Assignment
covering CENTEC's activities in Region V.

This supports Tier 7 phase 1 - Soil sampling
for Arsenic at Pesticides Program Network
sites for National Arsenic Study

cc. to G. Aremola / 5550
D. Stawgala / 54
D. Down / 54W
W. Sanders / 55
M. Warch - SAT
Zar
6-27-84

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Room No.—Bldg.
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Harold Coughlin (WH-552)

Phone No.
382-7192

5041-102

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☆ GPO : 1981 O - 341-529 (120)

ENVIRONMENTAL PROTECTION AGENCY

EPA CONTRACT NO. 68-01-6700

CONTRACTOR: CENTEC

WORK ASSIGNMENT NO. 18

Amendment No. 5

☐ **Original Assignment**

☐ **Work Plan Approval**

☒ **Work Assignment Amendment**

The Contractor shall furnish facilities, materials, and the necessary professional, technical, and supporting personnel for performance of the work required by this Work Assignment, described in the attached Statement of Work.

TITLE: Priority Pollutant Sampling at Industrial Sites - Regional Support (Region V)

LEVEL OF EFFORT (MANHOURS): 10,500 (This Amendment: 800)

PERIODS OF PERFORMANCE: Through September 30, 1984

CONTRACT NEGOTIATOR: Katherine J. Spikel
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EFFECTIVE DATE is the date of receipt by the contractor unless otherwise specified by the Contracting Officer.

APPROVALS

	Signature	Date
Contracting Officer	<u>[Signature]</u>	<u>6/15/84</u>
EGD Division Director	<u>[Signature]</u>	<u>6-15-84</u>
EGD Branch Chief	<u>[Signature]</u>	<u>6-15-84</u>
Project Officer	<u>[Signature]</u>	<u>6-15-84</u>
Task Manager	<u>[Signature]</u>	<u>6-15-84</u>

Previous total hours 9,700

This action hours 800

New total hours 10,500

CONTRACTOR ACKNOWLEDGEMENT OF RECEIPT

Signature

Date

I. Title

Priority Pollutant Sampling at Industrial Sites - Regional Support (Region V)

II. Work Assignment Manager

Alec McBride
Monitoring and Data Support Division (WH-553)
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Howard Zar
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Region V

III. Level of Effort

Manhours - 10,500 (This Amendment: 800)

Duration - Through September 30, 1984

IV. Background

The U.S. Environmental Protection Agency is required by Section 301(d) of the Federal Water Pollution Control Act Amendments of 1972 and 1977 (the "Act"), to review and revise, if necessary, effluent limitations promulgated pursuant to sections 301, 304, and 306 within five years of promulgation of these regulations. In conjunction with this review program and as a result of a court settlement with several environmental groups the Agency is undertaking a major examination of toxic pollutants discharged by industrial sources. To achieve these goals the Effluent Guidelines Division has the responsibilities of: 1) developing, proposing and promulgating effluent limitations guidelines, new source performance standards, pretreatment standards and Best Management Practices (BMP's) for industrial point source discharges, 2) assuring the adequacy and validity of the scientific, economic, and technical data and findings used as support for the effluent limitations and standards, 3) gathering, developing, and analyzing data and background information basic to the annual review and periodic revisions of the limitations and standards, 4) developing technical information required by the judicial review of effluent limitations guidelines, new source performance standards and pretreatment standards.

V. Scope of Work

Attached

CENTEC
68-01-6700
WA 18; Amend. 5
Priority Pollutant
Sampling

STATEMENT OF WORK

Introduction

The regional offices are charged with determining the magnitude of the contamination of industrial sites by a selected priority pollutant 2,3,7,8, TCDD. The sites include industries where the pollutant might have been produced as a byproduct or incorporated in formulated products or produced at combustion sources (power plants) or spread as contaminated products. In addition, the regions will be identifying control sites for ambient sampling. Special sampling and analysis protocols and quality assurance standards have been established which will form the basis for the contractor field work. The sampling effort must begin by early summer to meet mandated schedules. The quality of the generated data must also be of the highest quality and will be evaluated by the latest statistical quality assurance techniques.

Activities

The Contractor shall supply sampling support as requested by Regional offices. A general Work Plan will be provided to each requesting Regional TCDD coordinator for approval. The Work Plan shall contain an over all schedule to visit designated industrial and control sites for environmental sampling. A reconnaissance visit shall be included where appropriate. For each facility or control site a specific Sampling Plan shall be developed and submitted for approval. Upon approval a fully trained and equipped team shall conduct the sampling according to the EPA protocol provided. Specific plans may vary according to the type of site being sampled. For control sites some additional guidance and training will be provided by EPA. A site visit report shall be prepared for each visit and submitted to the Regional coordinator.

Deliverables

The Contractor shall prepare a preliminary Work Plan within 30 days of the issuance of a specific regional task. All sampling visits shall be conducted and reported by September 30, 1984.

Soil Sampling for Region V Portion of Tier 7, Phase 1
of the National Dioxin Study

Background U.S. EPA headquarters has selected a total of 79 urban and rural sites for soil sampling in Region V's portion of the National Dioxin Study. A listing of the number of sites by rural county or urban SMSA is provided in the attachment. A site map indicating the location of each site is now being developed and will be provided to the contractor.

Task 1 The contractor will provide a project workplan based on the specific site locations provided by U.S.EPA utilizing procedures in U.S. EPA's National Dioxin Study workplan. Copies of the necessary agency workplans and guidance have already been provided to the contractor by U.S. EPA headquarters for the purpose of preparing a workplan. The contractor may utilize "Project Plan for Tiers 3, 5, 6 and 7 of the National Dioxin Study including Quality Assurance and Quality Control requirements," Office of Water Regulations & Standards, U.S. EPA, May 30, 1984 (Draft) in developing the workplan, also the May 16, 1984 draft of the "Sampling Guidance Manual for the National Dioxin Study".

Task 2 Following the U.S. EPA guidance and workplan the contractor will obtain samples at the sites and transport the samples to the laboratory specified in the workplan. All U.S. EPA QA, chain of custody, sample coordination, subsequent coordination procedures and community relations procedures will be followed.

Task 3 Following completion of sampling, the contractor will submit a brief report indicating the methods utilized and the locations of the samples obtained. Any special conditions of sampling should be noted as well as any special difficulties in any part of the process.

	<u>STATE</u>	<u>NUMBER OF SITES</u>
Region V	IL	9
	IL	13
	IN	6
	IN	15
	IN	15
	MI	3
	MN	8
	OH	5
	WI	5
Region VI	AR	5
	AR	10
	LA	2

RURAL(COUNTY)

Hancock, Logan, Christian,
Henry, Clay, Iroquois, McDonough,
Shelby, Sangamon

Warren, Whitley, Shelby, Wayne,
Allen, Daviess

Menominee, Presque Isle,
Calhoun

Carver, Watonwan, Crow Wing, Chisago,
Hennepin, Polk, Kanabec, Redwood

Shelby, Ross, Meigs, Preble,
Sandusky

Polk, Waukesha, St. Croix
Waushara, Chippewa

Desha, Prairie, Greene,
Lawrence, Madison

Calcasieu, DeSoto

URBAN(SMSA)

Springfield

Evansville

Gary

Pine Bluff