File on eDOCs ___ (Yes) ___ No
Site Name Sinclair Refinery
Site No. 902003
County Allegany
Town Wellsville
Foilable ___ (Yes) ___ No
File Name Documents / Reports
Scanned & eDOC ___
Report. HW902003. 1991-12. RA_Genesee_Partial_Channelization_Vol2.

ARCO

Remedial Action Report
Genesee River Partial Channelization
Sinclair Refinery Site
Wellsville, New York

December 1991

Prepared by

EBASCO

An ENSERCH® Engineering and Construction Company

VOLUME 2 OF 7

APPENDIX B

DAILY AND INSPECTION REPORT

JUN 30 & JUL 1 . 1990

No

work

on

site

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 29, 1990

Arrived at site at 5:40a.m. Canonie crew came in by 7:00a.m.

Held plan of day meeting. It started raining with lightning and thunder. At 8:30a.m. it was still raining. Men were sent to set up the office furniture until it quits raining or they complete.
Dave wanted to discuss the progress for their invoice. After we had agreed, I told him I would have to talk with Tom about his understanding of payment without submittal approval or NTP. I also suggested it might be to Canonies's advantage to have a meeting between Joe's people and EBASCO's people involved with submittal approvals. And rewrote an approval each out standing submittal.

Gave Dave the Notice of Absent from site and surveyors information on the CELA and SLA. Dave asked if Tom could approve the surveyors next week when they get back. I told him yes.

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 6-29-90

Work Areas Checked:
Support Zone

Employees Present in Work Areas:
Dave Dekker, Peter Porter, Tom Klein, Gary Stiles, York electrician, Bob McKim, Clint McKim, LaVoane Dekker, Gail Reid, Norm Tracy, Grant Maichele, Scott Hunt.

Equipment Being Utilized:
Bull Dozer, Loader, Grader

PPE Being Utilized:
Hard hat, safety glasses, safety boots, ear protection provided, Leather gloves

Accidents/Breeches of Procedures:

None.

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 6-29-90

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

None

Job-Related Illness or Injuries

None

Weather Data Temp range 54°- 80°F
Wind Average - 5-15 mph S.W.
Rain - Friday.
Sky - Mostly cloudy.
Humidity - Mod. to High.

Air Monitoring Summary

OVA and MSA check of Support Zone shows 0ppm, 0% LEL, and 20.9% O_2.

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 6-29-90

Equipment: OVA, MSA

Real-Time Air Monitoring Results and Work Area

OVA - 0ppm - Support Zone

MSA - 0%LEL, 20.9% O_2 - Support Zone

Personnel Sampling

Name	Date	TWA

Calibration Method for Equipment

OVA - O-Air, 8.8% Methane

MSA - Internal & Background.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
12:10P 6-29-80	Support Zone	OVA	128	OAir, 88% Methane	0ppm	Real-time
12:15P 6-29-80	Support Zone	MSA	261	Background/Internal	0%LEL 20.9%O_2	Real-time.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 28, 1990

Arrived site 6:35a.m.

Gave Dave Dekker memo limited NTP to run fence and clear along haul road.
Dave asked me to walk fence with Pete. We walked fence line, cross fence. So. end needs one post. Check and tie fabric to the other post and patch or fill holes under the fence. Don't go any further toward river than it is now. North from support area check and repair. Close gate and run fabric across inside, check and repair to end of existing fence. Dog leg over to the toe of the railroad slope with new fence and follow at toe to the 2nd post left of south gate to drum storage. Trim and cut brush to satisfy Canonie's needs.

Electrical contractor on site, continuing with installation of electrical service.

Weekly Meeting - See minutes of meeting

Canonie's crews (two) continued running the waterlines and hooking up the sanitary wast lines. (Four) cleared brush along the railroad bed.
York Electric had three men on site running and hooking up the electrical system.

A truck load of office furniture came in, and was off loaded into the respective trailers.

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 1

BY: Peter Porter
CONTRACTORS SUPERVISOR: [signature]
DATE: 6/28/96 10wks
HOURS ON SITE: 07:00 - 17:30

PROJECT LOCATION: Wellsville Refinery
WEATHER & TEMPERATURE: Sunny H 87° L 58°

JOB NO: 88-093
LOCATION OF WORK: Tra. for Fac. Ity

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

Repaired tire on trailer that is leaving
Facilities arrived 13:50

WORK PERFORMED - morning tailgate and H&S meeting
- set fault from hydrant on east side of support zone by the access road.
- started installing the sewer line
- cleared east fence line from support area to the Northeastern of the fence line.
- Lacey York (electrician) continued running conduit and electric cables
- Placed facilities in appropriate trailers

MATERIALS DELIVERED: (Amount, Condition, Purpose)

COMMENTS/PROBLEMS/AGREEMENTS MADE:
Weekly meeting: notes to be submitted within 3 days

River Gauge	07:44	04.46'
	16:58	04.44'

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments) Electrical inspector gave OK

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 6-28-90

Work Areas Checked:

Support Zone

Employees Present in Work Areas:

Dave Dekker, Tom Klein, Peter Porter, Gary Stiles, Doren Stubbs, York electric, Norm Tracy, Grant Mairhele, Bob McKim, Clint McKim, Scott Hunt, Gail Reid

Equipment Being Utilized:

Chainsaw, Loader, Backhoe, Grader, chipper

PPE Being Utilized:

Hard hat, safety glasses, safety boots, chaps, leather gloves, ear protection provided

Accidents/Breeches of Procedures:

None.

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 6-28-90

Equipment: OVA Century 128
MSA 261

Real-Time Air Monitoring Results and Work Area

Support Zone - OVA = 0ppm
" " - MSA = 20.9% O_2, 0% LEL

Personnel Sampling

Name	Date	TWA

Calibration Method for Equipment

OVA - O-Air and 8.8% Methane
MSA - Internal and background.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
6-28-90 7:35A	Support Zone	OVA	Century 128	0-Air, 8.8% Methane	0ppm	Real-time
7:50A	Support Zone	MSA	261	Internal / Background	20.9% O2 0% LEL	Real-time

Daily Report

Rec. 6-28-90 GLS

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 1

BY: Peter Porter
CONTRACTORS SUPERVISOR: David Wickler
DATE: 6/27/90
HOURS ON SITE: 07:00 17:35

PROJECT LOCATION: Wellsville Refinery
WEATHER & TEMPERATURE: mostly overcast H 85° L 58° chance showers

JOB NO: 88-0973
LOCATION OF WORK: Trailer Facility

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

Backhoe Dumpster arrived

WORK PERFORMED
- Morning tailgate and H&S meeting
- Cleared west fence line and chipped debri
- Finished trenching electric line and backfilled over conduit through the road section
- Larry Fick (electrician) started laying electric conduit
- Letter & Letter excavated for corner posts and completed the ring of fence posts around the trailer facility
- Installed water line (1") down east fence line to storage in trailer

MATERIALS DELIVERED: (Amount, Condition, Purpose)

COMMENTS/PROBLEMS/AGREEMENTS MADE:

River Gauge: 07:05 04.47'
16:10 04.45'

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 6-27-90

Work Areas Checked:

Support Zone

Employees Present in Work Areas:

Dave DeKker, Peter Porter, Tom Klein, Joe Mihm, Gary Stiles, Dorin Stubbs, Bob McKim, Clint McKim, Scott Hunt, Gail Reid, Norm Tracy, Grant Maichle, Lotter fencing crew, electricians.

Equipment Being Utilized:

Backhoe, Loader, Grader, chain saw, chipper.

PPE Being Utilized:

Hard hats, safety glasses, safety boots, ear protection provided, Leather gloves Chaps.

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 6-27-90

Equipment: OVA, MSA

Real-Time Air Monitoring Results and Work Area

OVA - Support Zone 0ppm

MSA - Support Zone 20.9% O_2, 0% LEL

Personnel Sampling

Name	Date	TWA

Calibration Method for Equipment

OVA - 0-Air & 8.8% Methane

MSA - Internal & Background.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7:30A 6-27-90	Support Zone	OVA	Century 128	0-Air, 8.8% Methane	0ppm	Real-time
	Support Zone	MSA	261	Internal / Background	20.9% O_2 O_2 LEL	Real-time

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 26, 1990

Arrived at site 6:45a.m. Gate was just being unlocked. Most of the crew was parked along County road, but moved their vehicles inside when gate was opened.

Discussed Mondays activities with Dave.
- °Water line installation need as-built
- °Electrical contractors comment about nothaving the right cable - maybe Wednesday
- °Clearing along fence line
- °Visitors parking area

Dave said he was trying to get a single holding tank for sanitary waste. Would locate it north of security trailer (1000 to 1500 gal) would be able to pump it clean without coming on job.

Dave said he will get the signs put up. I asked him about working on railroad, he said the agreement was passed.

Electrical contractor York came, had some problem with the cable and the requirements. He talked with Dave,Pete and me. I told him only three trailers would be left at end of this season and they were not scheduled for use from Dec. 1 to Mar 1.
Fence contractor Lotter & Lotter came - four people, two trucks, one tractor. Started setting post at pipe gate

Talked with Dave about soft spot in road, he will try digging it and filling with good material. If this does not work, then he will repair with geotex. fab., as I recommend he do.
Dave would like to know how mcuh fence he can put up along railroad bed.
I went by State Troopers and left my business card, and explained what we are doing, and I was having problems getting a sign put up to alert traffic that there are trucks entering and exiting the highway. I was concerned the speed people travel on the road, we could have an accident. The trooper told me to call the county public works people, if they gave me any problems, come back in and he would get the DOT involved.

Daily Report

Rec 6-27-90 GLS

Sheet 1

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

BY: Peter Porter

CONTRACTORS SUPERVISOR: David Lukens

DATE: 6/26/90 10hrs

HOURS ON SITE: 07:00 - 17:30

PROJECT LOCATION: Wellsville Refinery

WEATHER & TEMPERATURE: Sunny, Hot H 90° L 46° cool morning

JOB NO: 88-093

LOCATION OF WORK: Trailer Facility

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

WORK PERFORMED
- morning tailgate and Health and Safety meeting
- finished clearing and grubbing east and South fence line
- graded area North of trailers for fence
- excavated part of the electrical and phone trench
- chipped all cleared material
- excavated soft spot on access road & spread more Item #4
- Letter & Letter leaving started to install fence posts

MATERIALS DELIVERED: (Amount, Condition, Purpose)
NYS Dot item # 4 -

COMMENTS/PROBLEMS/AGREEMENTS MADE:
Phone : Bell telephone : arrived 11:50
will have to go over and connect further down S. Brooklyn ave to supply enough lines.

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments) Charlie Baker 10:45 + 2:40
Howard Klee - 11:50 - ABBott Welding Supply
Jim Lapey - 11:00 - Rupp Rental & Sales

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 6-26-90

Work Areas Checked:

Support Zone

Employees Present in Work Areas:

Dave Dekker, Peter Porter, Tom Klein, Gary Stiles, Bob McKim, Clint McKim, Gail Reid, Scott Hunt, Norm Tracy, Grant Maichle, Lotter fencing crew.

Equipment Being Utilized:

Backhoe, Grader, Loader, chainsaw, chipper

PPE Being Utilized:

Hard hats, safety glasses, safety boots, ear protection provided, leather gloves.

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 6-26-90

Equipment: OVA ~~Century~~
MSA 261

Real-Time Air Monitoring Results and Work Area
OVA = 0ppm Support Zone
MSA = 0% LEL and 20.9% O_2 Support Zone

Personnel Sampling

Name	Date	TWA

Calibration Method for Equipment
MSA 261 - Internal and Background
OVA - O-Air and 8.8% Methane

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
6-26-90 9:45A	Support Zone	OVA	Century 128	OAir ÷ 8.8% Methane	0ppm	Real-time
9:50A	Support Zone	MSA	261	Internal / background	20.9% O_2 0% LEL	Real-time
12:35P	Support Zone	OVA	Century 128	OAir ÷ 8.8% Methane	0ppm	Real-time
12:40P	Support Zone	MSA	261	Internal / Background	20.9% O_2 0% LEL	Real-time

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 25, 1990

Arrived at site 6:40a.m.
Canonie crew arrived and held Plan of day meeting and continued with site mobe.
Did not have enough base stone and had to order more.
Had wrong fittings for water line hookup (sanitary street instead of T's) Men had to wait until Pete brought some back.
No flagging, ladder or sloped banks were being implemented. I instructed Tom and workman of this, and told them to stay out of ditch or lay the banks back.

USCOE rep. Stubbs was on site at 10:30a.m. Left at 12:00. Asked when work would start on dike, I told him next week, if everything is in place. He put up government sign on county road. Told me he had told Canonie H&S rep. to get chaps for the chainsaw operator. I was not aware of this. Will follow up.
Electrical contractor, York, came and set power. But, did not have the right U/G cable to run to complex, said it would probably be Wednesday before he got it.
Discussed fence and gate routing with Pete. I suggested he run down the south side and across to security trailer with truck and man gate at road, this would provide a visitor parking area outside fence and reduce the amount of fence required. Pete agreed.
Discussed water lines to trailer - They could get between 12x60 far enough to dig, so I agreed to let them run above ground for about 8'.
All equipment and employees worked a full 10hr. shift.
Dave Dekker was not on project today.

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 1

BY: Peter Porter

CONTRACTORS SUPERVISOR: David Dishler

DATE: 6/25/96 10hrs

HOURS ON SITE: 0700 1715

PROJECT LOCATION: Wellsville Refinery

WEATHER & TEMPERATURE: partly cloudy H 78 L 53 partly sunny

JOB NO: 88-093

LOCATION OF WORK: Trailer Facility

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

WORK PERFORMED - morning tailgate and Health and Safety meeting.
- continued laying the water line
- prepared parking area for stone
- stoned parking lot for employees
- electrician set pole

MATERIALS DELIVERED: (Amount, Condition, Purpose)
bedding sand - 24.96 tons
NYS DOT #4 stone - 128.84 tons

COMMENTS/PROBLEMS/AGREEMENTS MADE:

River Gauge: 08:01 04.54'

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 6-26-90

Work Areas Checked:

Support Zone

Employees Present in Work Areas:

Norm Tracy, Peter Porter, Tom Klein, Gary Stiles, Mr. Stibs, Grant Maichle, Clint McKim, Bob Makim, Gail Reid

Equipment Being Utilized:

Loader, Backhoe, Grader

PPE Being Utilized:

Hard hat, ear plugs provided, leather gloves provided, safety boots, safety glasses

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 6-25-90

Equipment: OVA, MSA

Real-Time Air Monitoring Results and Work Area

Support Zone OVA - 0ppm
O_2 - 20.9%
LEL - 0%

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

OVA = 0-Air & 8.8% Methane
MSA = Internal calibration to background

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
6-25-90 9:45A	Support Zone	OVA	Century-128	0-Air & 8.8% Methane	0 ppm	Real-time
10:40A	Support Zone	MSA	261	Internal & Background	20.9% O_2 0% LEL	Real-time
1:35P	Support Zone	OVA	Century-128	0-Air & 8.8% Methane	0 ppm	Real-time
1:40P	Support Zone	MSA	261	Internal & Background	20.9% O_2 0% LEL	Real-time.

Jun 23 & 24 - 1990

No
Work
on
Site

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 22, 1990

Arrived site at 6:50a.m. Canonie crew was there. Two of the operators, and his field engineer are in Finley, Ohio, for their 8hr refresher.

A 12x60 trailer came in.

Dave D. told me that he talked with the Construction V.P. last night, and he will get in to the problems today. He very much wants a good relationship with EBASCO and ARCO. If he has to call a meeting, he will.

Jim Hennessy came to see if everything was o.k., and if we needed anything. (Most of all to visit)
Another 12x60 trailer arrived, and Canonie refused to accept it. He is talking with the trailer lease company.

Talked with Dave about silt fence material this morning. Informed him of the need, prior to start, of clearing along west bank.
Showed Tom, H&S Supv., the spec. language that covers the H&S level of protective equipment and requirements for the CRZ and the exclusion zone.
Told Dave that his surveyor's approval is not in place,and I would have to have the required certification before he is allowed to start lay out of west dike. Also, they would have to meet the H&S requirements for the CRZ & EZ. He was not aware of that.
The County public works field supervisor came. He and I inspected the driveway const. He said, "looked good to him".

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 1

BY: Peter Porter CONTRACTORS SUPERVISOR: David Dekker DATE: 6/22/90 10A-
HOURS ON SITE: 07:00 - 17:30

PROJECT LOCATION: Wellsville Refinery WEATHER & TEMPERATURE: partly cloudy H 90 L 53

JOB NO: 88-093 LOCATION OF WORK: Trailer Facility

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

WORK PERFORMED morning tailgate meeting and Health and Safety meeting.
- Water company tapped the main; will set meter later
- cleaned out storage trailer
- continued Grading trailer facility
- started storming parking area
- started to lay water lines

MATERIALS DELIVERED: (Amount, Condition, Purpose)
bedding sand - ~~24 ton~~
N.S Pot # 4 shoe - ~~120 ft~~

COMMENTS/PROBLEMS/AGREEMENTS MADE:

River Gauge 05:58 04.55'

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 6-22-90

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

None

Job-Related Illness or Injuries

None

Weather Data Avg temp. 62°F to 79°F
Avg Wind 5 mph to 20 mph from SW.
Precip. ½ inch rain Monday, trace tuesday & friday.

Air Monitoring Summary

Check of Support zone with OVA (century -128) showed 0 ppm.

Rec. 6-22-90
GLS

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 6-22-90

Work Areas Checked:

Support Zone

Employees Present in Work Areas:

Dave DeKker, Peter Porter, Tom Klem, Bob McKim, Clint McKim, Gail Reid Norm Tracy, Grant Maichle, Jon App, George Lazusky, Craig Carrow, Gary Stihls

Equipment Being Utilized:

Backhoe, Grader, Trak Loader

PPE Being Utilized:

Hardhat, Safety glasses, Safety boots, leather gloves, hearing protection provided.

Accidents/Breeches of Procedures:

None.

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 6-22-90

Equipment: OVA -128

Real-Time Air Monitoring Results and Work Area

0ppm

Personnel Sampling

Name	Date	TWA

Calibration Method for Equipment

0-Air, 8.8% Methane.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
62290 12:35P	Support Zone	OVA	Century-128	0-Air 8.8% Methane	0ppm	Real-time

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 21, 1990

Activities consisted of continuing work in the support areas.

Had first weekly progress meeting. See minutes of meeting.

Dave Dekker told me he has scheduled his surveyors for 40hr H&S training in Boston,Mass. for next week.

Rec 6-22-90 GLS

CANONIE ENVIRONMENTAL SERVICES CORP.

DAILY FIELD ACTIVITY REPORT

Date: 21-June-90 Report 04
Job No: 88-903
Client: ARCO
Location: Wellsville, New York

1. WEATHER

Temperature:

Morning: 56 Deg. F Afternoon: 88 Deg. F

Precipitation: 0

River Level:

2. PERSONNEL

Canonie

a.	David Dekker	Project Superintendent
b.	LaVonne Dekker	Field Office Administrator
c.	Peter Porter	Field Engineer
d.	Tom Kline	Health & Safety Officer
e.	Robert McKim	Operator
f.	Clinton McKim	Operator
g.	Gail Reid	Operator
h.	Scott Hunt	Opr./Mechanic
i.	Grant Maichele	Opr./Oiler
j.	Norm Tracy	Operator

SubContractors

a.	App Land Surveyors	John App - Licensed N.Y. Surveyor
		George Lazusky Party Chief
		Craig Cacace Rod Man

3. MAJOR EQUIPMENT

Received today 12' x 60' Office Trailer
Base & radios for site.

4. SUMMARY OF WORK FOR June 21, 1990 - Worked 10 hours

- Worked on temporary site for facilities.
- Placement of soil material for entrance road.
- Grading of area to be used for further stock pile area.
- Placement of three 12x60' trailers. Still need to be leveled and blocked.
- Excavated and exposed city water main to make tap for site facilities.

5. SECURITY

- Security by Canonie personnel.

6. HEALTH & SAFETY

- See attached report.

DD/ld

Daily Report

Rec'd 6/25

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 1

BY: Peter Porter
CONTRACTORS SUPERVISOR: David Kuhken
DATE: 6/20/90
HOURS ON SITE: 07:00 - 11:30

PROJECT LOCATION: Wellsville Refinery
WEATHER & TEMPERATURE: M 84° L 60°

JOB NO: 88-093
LOCATION OF WORK: Trailer Facility

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

Equipment Delivered:
removed / replaced incorrect 12x60 trailer

WORK PERFORMED - manage tailgate meeting with H&S and description of daily activities
- installed 60' length of pipe water access road
- exposed water line for tapping
- removed gutters for water line
- continued building access road
- cleared where fence will be installed around trailer complex

MATERIALS DELIVERED: (Amount, Condition, Purpose)
60' length of pipe

COMMENTS/PROBLEMS/AGREEMENTS MADE:

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Rec 6-22-90 GLS

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 6-21-90

Work Areas Checked:

Support Zone

Employees Present in Work Areas:

Dave DeKker, Tom Klein, Bob McKim, Norm Tracy, Grant Maichle, Gary Stihls, Gail Reid, George Lazusky, Craig Carrow.

Equipment Being Utilized:

Backhoe, Grader, Loader, Diesel truck

PPE Being Utilized:

Hard hat, safety glasses, hearing protection provided, leather gloves, steal toed safety boots.

Accidents/Breeches of Procedures:

None.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
6-21-90 9:00A	Support Zone	OVA	Century-128	O-Air 8.8% Methane	Oppm	Real-time
6-21-90 11:30A	Support Zone	OVA	Century-128	O-Air 8.8% Methane	Oppm	Real-time

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 20, 1990

Arrived at site 6:40 a.m.. Canonie crew were arriving. Crew started work @7:00a.m.
A cat 963 track loader arrived last night and manned this morning. Loader I.D.: Cat 963 ID# *21Z02770*, owner: Beckwith Mech. Co., Pittsburg, Pa.
A motor grader Cat 126 ID# *61M12016*, owner: Beckwith Mech. Co., Pittsburg, Pa., arrived site at 8:40a.m. Was manned and put to work.

Told Canonie's engineer and H&S supervisor the LNTP, I issued, activated the daily submittals required by the contract documents. Also, told them we would expect to see them starting Thursday, particularly the H&S related ones. They agreed.

Doran Stubbs, USCOE/EPA, came on site around 11:00a.m. He and I visited and had lunch together. He is concerned about the rip rap. The spec. shows two different stone sizes (400#max@12"ø and NYDOT spec. 600#May@18"ø). I suggested we construct a pilot slope, so everyone is in agreement. He thinks that might help.
He expressed some concern the schedule may be too aggressive, having to come through town streets and the distance of haul.

I told Canonie's H&S supv. he needs to display a first aid kit and a fire extinguisher. He put them at trailer entrance.

Adams septic service delivered two Job Johns, they are from 519 Front St., Olean, NY, (716) 572-7776.

I talked with Dave about the condition of 12x60 #064522 office trailer. He told me it is Canonie's, and ARCO and EBASCO's would be 1989 models, in almost new condition. I told him if they were like this one, I would require an equitable adjustment.
A Cat 235C backhoe was delivered at 10:30a.m. It came in two loads, and had to be put together. Owner: Beckwith Mech. Co., Pittsburg, Pa., ID# *2P600172*. Three more office trailers arrived. A 12x60 #195460, a 10x48 #043745, and an 8x32 #321754.

Received nine loads of base #1 gravel @ 48,000#± ea. This material is for parking and office set-up area. This material is coming from McCleary & Cristy & Alfred Stone Co., Alfred,Ny.

Todays Summary:
Canonie (three non-manual and six manual - three pieces of equipment) strips top soil, starting at the north end and working south in the support area. After top-soil was removed, approximately 200LF into area, the 963 started leveling of area and building access ramp. When area was cut to grade and leveled, gravel was brought in and spread over the area that the office trailers will set on. Two men off loaded, and assembled the Cat 235C backhoe, the Cat 963 ran out of fuel at 3:45p.m. There will be none delivered before 8:30a.m. on Thursday. When the gravel had been spread, the trailer location and utility service routes were layed out, then the security trailer, USCOE/EPA trailer and change room trailer were moved in place, blocked up, and leveled. The trailer company delivered steps for all the office trailers. App survey (three men) set cut & fill stakes in support area, layed out trailer and utility service locations and routes. Continued development of support facility, topo and as built of fence line.

All work, today, was performed in clean conditions. Air monitoring reading was taken at various locations in excavated areas with no registers of any contaminates. Some materials other than soil was uncovered. Investigation of these areas revealed the maaterial to be coal cinders. Canonie engineer and H&S supv. are a little vague about what reports they are required to submit. I suggested they read the contract documents.

Rec 6-22-90 GLS

CANONIE ENVIRONMENTAL SERVICES CORP.

DAILY FIELD ACTIVITY REPORT

Date: 20-June-90 Report No: 03
Job No: 88-903
Client: ARCO
Location: Wellsville, New York

1. WEATHER

Temperature:

Morning: 40 Deg. F Afternoon: 85 Deg. F

Precipitation: 0

River Elevation:

2. PERSONNEL

Canonie

a.	David Dekker	Project Superintendent
b.	LaVonne Dekker	Field Office Administrator
c.	Peter Porter	Field Engineer
d.	Tom Kline	Health & Safety Officer
e.	Robert McKim	Operator
f.	Clinton McKim	Operator
g.	Gail Reid	Operator
h.	Scott Hunt	Opr./Mechanic
i.	Grant Maichele	Opr./Oiler
j.	Norm Tracy	Operator

SubContrators

a.	App Land Surveyors	John App - Licensed N.Y. Surveyor
		George Lane - Party Chief
		Chris Carson - Rod Man

3. MAJOR EQUIPMENT

Received today: CAT 12G Grader S/N 61M12016
CAT 235 Backhoe S/N 2PG172
12x60 Trailer - EBASCO
12x60 Trailer - Canonie

4. SUMMARY OF WORK FOR June 20, 1990

- Clear trees for temporary site facilities.
- Excavate and grade area to set office trailers.
- Placed six loads of No. 1 aggregate where trailers will be placed 150 ton.
- Three loads of Item No. 4 stockpiled.(73 Tons) for later use.
- Placed, leveled, and blocked three trailers. (8x32 Security Trailer, 10'x48' Core of Engineers and 10'x48' Change trailer).
- Received and installed 60' of 12" C.M.P. at new access entrance for temporary site facilities.

SUMMARY OF WORK FOR June 20, 1990 (con't.)

- Started placement of soil material for access entrance road.
- Worked 10 hours.

5. SECURITY:

- Security by Canonie personnel.

6. HEALTH & SAFETY

- See attached report.

DD/ld

Daily Report

Rec 6.29.90 GLS

Sheet 1

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

BY: Peter Porter
CONTRACTORS SUPERVISOR: Dave Wilkins
DATE: 6/28/90 1041
HOURS ON SITE: 07:00 - 17:30

PROJECT LOCATION: Wellsville Refinery
WEATHER & TEMPERATURE: H 82° L 52° partly cloudy

JOB NO: 88-053
LOCATION OF WORK: Trailer Facility

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

Equipment delivered:
11:00 12x60 trailer
13:30 8x32 trailer
13:30 10x48 trailer
08:45 12G Cat Grader
10:45 stick, bucket & counter weight
12:50 235 Cat track hoe

WORK PERFORMED morning tailgate meeting with H&S and brief discussions of the days activities.
- Surveyors ~~shot~~ shot elevations for topo
- 963 Cat loader removed topsoil from trailer complex and started leveling trailer complex.
- 12G aided in leveling trailer complex and started to build access road
- started setting trailers (trailer delivered) after the area was staked

MATERIALS DELIVERED: (Amount, Condition, Purpose)
#1 83.25 tons
#4 39.57 tons

COMMENTS/PROBLEMS/AGREEMENTS MADE:

River Gauge
05:29 04.62'
16:45 04.59'

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments) Jim Wilson (Allegany Dept. of Public Works)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Rec 6-22-90
GLS

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 6-20-90

Work Areas Checked:

Support Zone

Employees Present in Work Areas:

Dave Dekker, Peter Porter, Norm Tracy, Grant Mainhle Clint McKim, Bob McKim, Gail Reid, Scott Hunt, Tom Klein, Gary Stills, Mr. Stubbs.

Equipment Being Utilized:

Grader, Loader, Gravel trucks, trailers

PPE Being Utilized:

Hard hats, safety boots, safety glasses, leather gloves, hearing protection with each worker

Accidents/Breeches of Procedures:

None.

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 6-20-90

Equipment: OVA

Real-Time Air Monitoring Results and Work Area

0ppm - Support Zone

Personnel Sampling

Name	Date	TWA

Calibration Method for Equipment

0-Air and 8.7% Methane.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
6-20-90 10:30A	Support Zone	OVA	Century 128	O-Air, 8.7% Methane	Oppm	Real-time.
6-20-90 1:45P	Support Zone	OVA	Century 128	O-Air, 8.7% Methane	Oppm	Real-Time.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 19, 1990

Arrived @ site @ 6:45 a.m. Canonie's survey contractor was here (3 men) by 7:00 a.m. Dave D., field engineer and H&S Supv. and four operators signed on Monday were here. Two new hires were signed up, and given site specifics.

Dave told me he would like to clear the route for the water line and long the road ditch. I told him that was not on the site, so I had no jurisdiction.

I told Dave he needed to get a job John on site , and a trash receptacle. He hasa trash can in his car and is to have Johns delivered today.

Dave and Apps supv. had questions about allowable tolerance of ± spec. D1050 unclear. I looked at this, and could not answer. Told them I would get a reading from Vanu (eng.). Appears to be a bust with drwg. coordinates, @ start and end of west dike.
Apps supv. asked about certification of calibrations on instruments. Does his certification qualify or does he have to send instruments to lab? Itold him if he would certify his calibration certificate, I would accept that. But, he needs to be aware that the USCOE/EPA may bring in another survey company to verify his controls.

Tom G. called - has recieved acceptable letter of credit. Revisions to H&S plan is acceptable, Gen site layout, source point and floor plans acceptable. I will write a 3-part memo and hand carry to Dave, giving him limited notice to proceed in the support area only.

Summery of todays activities: cleared brush for water line along county road and areas of fence that need repair. Two office trailers (10x48 and 12x60) were delivered to site. Survey contractor App layed out support area and topo of area. Dave asked if he could clear brush along railroad bed? I told him not until access agreements were received. He can lay out the dike foundation. A wood chipper arrived, the brush that was down was chipped.
Office Trailer ID numbers - Gelco Space, (315) 463-6272, 10x48 198782 and the 12x60 is 064522. Chipper EEger Beever 290, The Beever, Inc., Winn, Michigan, SN 4869E 15 11L WOO 6610, supplied by LELYON Equipment Co., Circleville, OH (614)474-6028

Rec 6-22-90 GLS

CANONIE ENVIRONMENTAL SERVICES CORP.

DAILY FIELD ACTIVITY REPORT

Date: 19-June-90 Report No: 02
Job No: 88-093
Client ARCO
Location: Wellsville, New York

1. WEATHER

Temperature:

Morning: 43Deg. F. Afternoon: 78 Deg. F.

Precipitation: 0

River Elevation:

2. PERSONNEL

Canonie

a.	David Dekker	Project Superintendent
b.	LaVonne Dekker	Field Office Administrator
c.	Peter Porter	Field Engineer
d.	Tom Kline	Health & Safety Officer
e.	Robert McKim	Operator
f.	Clint McKim	Operator
g.	Gail Reid	Operator
h.	Scott Hunt	Opr./Mechanic
i.	Grant Maichele	Opr./Oiler
j.	Norm Tracy	Opr.

3. MAJOR EQUIPMENT

40' Canonie Tool Trailer
Received today: Eager Beever Chipper S/N 6610 Arv. 3:p.m.
CAT 963 Track Loader S/N 21z2770 Arv. 6:p.m.
Received three office site trailers.

4. SUMMARY OF WORK FOR June 19, 1990 - Worked 10 hours

- Orientation of two employees by Health & Safety Officer
- Clearing and chipping of trees for temporary site facilities.

5. SECURITY:

- Security by Canonie personnel.

6. HEALTH & SAFETY

- See attached report.

DD/ld

Daily Report

Rec'd 6/20
6/5

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 1

BY: Peter Porter CONTRACTORS SUPERVISOR: David A. Leckie

DATE: 6/19/90 HOURS ON SITE: 07:00 - 17:30

PROJECT LOCATION: Wellsville Refinery

WEATHER & TEMPERATURE: cool & overcast 70° & 62°

JOB NO: 88-093

LOCATION OF WORK: Trailer Facility

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

Equipment Delivered:
10 x 48 trailer 11:15
12 x 60 trailer 14:10
Eager Beaver Brush chipper 15:07
963 track loader 17:45

WORK PERFORMED - meeting tailgate meeting with H&S and discussing of today's activities
- finished clearing and grubbing access road
- finished clearing where water line is to be installed
- surveyors laid out grid for topo
- chipped all debris from access road and water line locations

MATERIALS DELIVERED: (Amount, Condition, Purpose)

COMMENTS/PROBLEMS/AGREEMENTS MADE:

River Gauge: 09:30 04.80'
17:23 04.68'

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Rec 6.22.90 GLS

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 6-19-90

Work Areas Checked:

Support Zone

Employees Present in Work Areas:

Dave Dekker, Peter Porter, Tom Klein, Bob Mekim, Clint Mekim, Gail Reid, Scott Hunt, Norm Tracy, Grant Maichle.

Equipment Being Utilized:

Chain saw; Chipper Shredder.

PPE Being Utilized:

Hard hat, safety goggles, ear plugs, leather gloves, safety boots, chaps.

Accidents/Breeches of Procedures:

None

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 6-18-90

Work Areas Checked:

Support Zone

Employees Present in Work Areas:

Dave Dekker, Peter Porter, Tom Klein, Bob McKim, Clint McKim, Gail Reid, Scott Hunt.

Equipment Being Utilized:

~~None~~ X Chain saw

PPE Being Utilized:

Hard hats, safety boots, gloves (leather), safety glasses, ear plugs, chaps.

Accidents/Breeches of Procedures:

None.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 18, 1990

Storming and heavy rain. Some men showed, signed them in giving them their H&S session now.
No equipment has come. Don't expect any until after storm
Becky, from local news called this A.M. LaVonne told her she would have to talk with me. I would not.

Talked with Vanu. Only papers we have received is a drawing of the support zone, with the revised changes.
Talked with Tom G. gave him update. He had received only the two (2) facility and utility source drawings and part of the SSHP. And had been told by ARCO legal that the letter of credit was not acceptable. So, he was not able to issue the restricted NTP.
Talked with Dave D. (6:15p.m.) told him what Tom G. had told me. He seemed upset with Joe M., and stated that he would call someone above Joe and get things straightened out. I told him I would cover him with paper to a point, but the letter of credit and the H&S approval was high risk areas, and I would not approve work that involves H&S issues until plan has been approved.

Daily Report

Rec 6.21.90 GS

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 1

BY: Peter Porter

CONTRACTORS SUPERVISOR: David Dellinger

DATE: 6/18/90 10 hrs

HOURS ON SITE: 07:00 - 17:30

PROJECT LOCATION: Wellsville Refinery

WEATHER & TEMPERATURE: 60° to 85°F Precip. AM Sunny, Humid

JOB NO: 88-093

LOCATION OF WORK: Trailer Facility

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

Equipment delivered - Test trailer 08:30

WORK PERFORMED

- Site Specific H&S meeting with Tom Klein
- Brief overview of work to be performed on site
- located where water line is going to be placed and where the access road is going.

MATERIALS DELIVERED: (Amount, Condition, Purpose)

COMMENTS/PROBLEMS/AGREEMENTS MADE:

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

CANONIE ENVIRONMENTAL SERVICES CORP.

DAILY FIELD ACTIVITY REPORT

Date: 18-June-90 Report No: 01
Job No: 88-093
Client: ARCO
Location: Wellsville, New York

1. WEATHER

Temperature:

Morning: 50 Deg. F Afternoon: 85 Deg. F

Precipitation: .78 Rain at 9:a.m. until abount 11:a.m.

2. PERSONNEL

Canonie

a.	David Dekker	Project Superintendent
b.	LaVonne Dekker	Field Office Administrator
c.	Peter Porter	Field Engineer
d.	Tom Kline	Health & Safety Officer
e.	Robert McKim	Operator
f.	Clint McKim	Operator
g.	Gail Reid	Operator
h.	Scott Hunt	Opr./Mechanic

3. MAJOR EQUIPMENT

a. Received 40' Canonie Tool Storage Trailer

4. SUMMARY OF WORK FOR: June 18, 1990 - Worked 10 hours

- Orientation of jobsite Health & Safety requirements.
- Site walk with Health & Safety Officer.
- Begin clearing of trees for temporary site facilities.

5. SECURITY:

- Security by Canonie personnel.

6. ACCIDENTS/INJURIES:

- None

DD/ld

JUNE 16 & 17

NO WORK

ON

SITE

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 15, 1990

Arrived site ate 6:30a.m.

No sign of electric company. Engineers were here yesterday to lay out new poles.

Talked with Dave at motel. He is not going to do anything at site today. Has not heard from telephone or electrical people.

He expects to have some equipment and operators on site Monday. Some of Canonie's operators will be running the equipment.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 14, 1990

Met with Jim Cisero, set up meeting for 10:00 a.m. with local emergency service organizations.

Picked up driveway permit from county highway Supt. The permit requires the installation of a CMP 12"øminimum. The superintendent must be notified at least 48hrs. prior to start driveway installation.

Gave Dave Dekker a memo for driveway. He told me he had met with Mr. Charlie Joyce, Sr., and had permission to use Otis/Easter's access and roads to bring in his equipment. He, also, got permissionto excavate and run U/G water line from fire hydrant to support area. Charlie showed Dave the route he should follow so he won't hit any buried debris.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 13, 1990

Called Vanu about Survey Controls. He called back with this information, "Municipal bldg. @ intersection North Main and Jefferson, 43' E. of C/L No. Main, 39' N of C/L Jefferson in column pedestal at the left of entrance 5' west of the center of entrance and about 3½' higher than street a United Stat Geological survey Standard Disc. stamped 1516 Dpts 29, 1923, and set vertical elevation 1517.412'.

Met with Jim Hennessy, Wellsville Town Highway Supt.. The south end of Brooklyn Ave. is the county's road. I will have to talk with Dick Young, Allegheny County Highway Supt. @ Belmont, NY.

The road on top of the dike (east side) is the town's. Jim and I drove along the dike. He doesn't have a problem, as long as we don't destroy the road, and obey the speed limit that is posted.

Talked with Dave Dekker, informed him of the location of the geological survey hub that is the base for site layout.

I went to the Allegheny County courthouse at Belmont, and met with Dick Young and one of his field people. I briefed them on what we are doing, and the need for a driveway permit from County 44 to property that we have leased from Otis/Eastern. They told me to mark it out, and they would look at it, and issue a permit Thursday. I returned to Wellsville, picked up Dave, and we marked the driveway.

Carl Montana can make Cal Swan or Ismeel available for Wellsville. I told him I would take Cal the first week in July. Then, maybe, we could trade later on. He will pass information on to Cal.

Talked with Myron Jereb. Open bank acct. as Gary Stiles, Agent for EBASCO CONSTRUCTORS, INC. Peter will call next week. Opened P.O. Box 1138, Wellsville, NY 14895-9998 - paid $36.00 for six months and two deposits on two keys:
EBASCO, Atlanta Richfield Co., ARCO, Gary L. Stiles

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 12, 1990

Met Tom Granger, Mike Turco and Vanu Patel at the Village office at 10:00a.m. We visited with Bob Chaffee and Don Farkway.

We outlined the project schedule. Bob Chaffee stated that they would be working along So. Brooklyn on U/G utilities for the next two to three weeks, and the traffic would be impacted. He, also, informed us that plans to resurface So. Brooklyn Ave. had been made for next year. We told him that truck traffic would possibly be greater in 1991 season than this year. Don Farkway asked what kind of quanity we were about? I told him 1990 would be 25 to 30 trucks per hour (28,000c.y.) and 50 to 60 trucks per hour (50k to 60k) in 1991.

Tom Granger inquired about the possibility of the Village treating water from site dewatering. Don Farkway stated that there was no C.B. beyond the ball fields, but they would accept contaminated water from site, providing it is accompanied by a letter of statement of contaminates from the EPA & NYDEP. Water could be collected in tanks and trucked to the treatment plant.

Dave Dekker and I went to the proposed entrance to the site and viewed the area we want to clear and the point that the entrance will leave Brooklyn Avenue. We then went to the Wellsville Highway Department, but it was closed. Will check with them in the morning, and talk with Jim Hennessy.

Doran Stubbs, of the USCOE will be the USEPA/USCOE on-site representative. He requested that I keep him informed of progress, and also when work would start on the river channelization. S.O.W.
Meeting was held at SUNY campus admin. bldg. This was to be the pre-construction conference, but Canonie had not submitted the required submittals or letter of credit that would allow us to issue a Notice to Proceed. It was decided, just prior to start of meeting, that absence of the QA/QC office and non issue of NTP would prevent us from conduction the official pre-construction conf. A progress/working meeting was held instead. Discussion: Submittal status: Canonie not clear as to what requires approval prior to start work. They are conducting material sampling, but have not submitted sampling plan for approval or lab. Schedule was submitted and discussed. Tom and Vanu addressed questions from Joe Mihm.
See Tom's notes and Notes of Meeting for more details.
I went with Frank G. in his rental vehicle, Ford Explorer, to

see how it drove. He told me about his sampling activities. I reminded him of the need for approval of their plans, lab and barrow pit. He asked what this plan consisted of. I told him, it should show sample method, handling and control of samples, lab test method, plan view of barrow pit showing location of pits. And told him, we should be witnessing these tests.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 11, 1990

Arrived Wellsville in the early evening. Talked with Mr. Dave Dekker and Mr. Chie Chang, Canonie. Told them the meeting was scheduled for 10:30a.m. July 12, 1990.

Dave asked about ARCO's office furniture. I told him just one office set up.

I emphasized the importance of following the specs and contract documents, and the level of commitment that EBASCO is giving this job to assure an ARCO success.

Told them Mr. Joe Mihm and Mr. Thomas Granger will arrive at 10:00 a.m. for the meeting at 10;30 a.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 14, 1990

Arrived at 6:45a.m.

The surveyors came in at 7:15a.m. Three of Canonie's non-manual showed, Chie Cahng, Pete Porter, and Tom Klien. The only work scheduled is layout of SLA & clean haul road.

Surveyor layout is further to the south than I thought it should be. I asked them if they had hit any of the previous stakes. They had. I asked them to tie into the MW just south of SLA. They missed it 3.40' and 4.21'

12[illegible]

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/14 DAY: Saturday HRS.WRK. 10 hrs. REPORT NO. 21

WEATHER INFORMATION:

TEMPATURE: High 84 Low 61 WIND: Mph. — Dir. —

PRECIPITATION: None HUMIDITY: High RIVER EL: AM ~ PM —

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. _____

F.E/I _____ R.E. 1

H&SO _____ P.E. 1

C/SE _____ QCM _____

P.M. _____ H&SO 1

HOP _____ P.M. _____

" _____ HOP _____

" _____ " _____

ARCO P.M. _____ " _____

OTHERS _____ CANONIE SUB. Jon APP

" SUPV. 1 EMPS. 1

USCOE/EPA _____ " SUB. _____

" _____ SUPV. _____ EMPS. _____

VISTORS _____

_____

MANUAL CANONIE. Gen. Labor _____ Equip. oper. 1

Truck drivers _____ Others _____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand by		
" 963		Stand by		
" D-6		Stand by		
sheepsfoot drum roller " ~~D-4~~		Stand by		
" 12G		Stand by		
Compactor		Stand by		
Dump trk.				
Water Truck Others		Stand by		
1 ton pick up		Stand by		
2" compressor		Stand by		
Tyler brush chipper		Stand by		
"				

PAGE: 1 OF 10

MEETINGS:

PLAN OF DAY Surveyors to Stake out SLA
Locate Sample Pit locations at Hayscanoe Pit and
draw on topo.

SAFETY Discussed, in detail, decon and PPE procedures with Jon Epp
and George Lazesky for surveying in CBZ Also discussed
Heat stress concerns and prevention.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER 203 (Construction Survey Control)
Survey in SLA

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Stake out of South Land Fill AREA

QA/QC ACTIVITIES: N/A

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS: None

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	3	30
"D"mod		
"D"		
"C"		
"B"		
QTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	9:00-10:20A	CRZ	Hnu PI-101	Real-Time	0-1ppm
2	1:15P-4:00P	CRZ	Hnu PI-101	Real-Time	0-1ppm
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	10:20A	CRZ-Wash Trailer	3 /Survey	D	None
2	1:10P	CRZ-Wash Trailer	3/Survey	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 3 Emps. Out: 3

Equipment: In: Survey Out: Survey

Venders Equipment: In: Survey Out: Survey

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Everyone Signed in (Date, Time, Company

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-14-90

Equipment: HnU

Real-Time Air Monitoring Results and Work Area
CRZ - 0-1 ppm from CELA oil pool.

Personnel Sampling

Name	Date	TWA

Calibration Method for Equipment
Isobutylene / Internal

7/10

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-14-90

Work Areas Checked:
CRZ, Support Zone

Employees Present in Work Areas:
Tom Klein, Pete Porter, Grant Maichele, Jon Hpp. George Lazusky.

Equipment Being Utilized:
Hand, Survey equip.

PPE Being Utilized:
Clean-D in S.Z.
Mod.-C in CRZ

Accidents/Breeches of Procedures:
None

8/10

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 7-14-90

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

None

Job-Related Illness or Injuries

None

Weather Data

Avg Temp - 60-82°F
Wind Ave. - SSW 5-15 mph
Precip - Trace to 0.7 inch.

Air Monitoring Summary

0-1 ppm B.Z. on east/North east CRZ of CELA. Source oil pool on CELA.

9/10

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time		Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
9-14-90	9:00A-10:20A	CRZ	HnU	PI-101	Isobutylene/Internal	0-1ppm	Real-Time
9-14-90	1:15P-4:00P	CRZ	HnU	PI-101	" "	0ppm	Real-time

01/01

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
• CANONIE ENVIROMENTAL

FOR
• DAILY TIME RECORD

DATE: JULY 14, 1990

Work Performed	No. Hours	Misc. Information
STAKE OUT OF SOUTH LAND FILL AREA.	10	2 MAN CREW
	Total	
	10	Signatuer of responsible part

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 13, 1990

Arrived at site at 6:35a.m.

Plan of Day
- °Complete hygiene facility
- °Fencing
- °Clearing of clean haul road
- °Backfill utility line

Ran telephone lines to trailers and installed phones.

Went to Alfred Sand & Gravel Co. to witness sampling of road base, bedding and pit run material. Aggragate plant operation looks good. They don't have a lot of material on hand. Nor do they have room for stockpiling much material. I told Pete they should take only the chemical samples and return,just before they start delivery to the the site, for a good representative sample for the geotec. The pit-run borrow looked good.

Held weekly progress meeting.(see meeting of minutes)

Called Tom G. He agreed to issue another limited NTP for layout of area only. He has not been told the submittals are approved.

12:05

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/13/90 DAY: Friday HRS.WRK. 10hrs. REPORT NO. 20

WEATHER INFORMATION:

TEMPATURE: High 80 Low 59 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: Med. RIVER EL: AM 05.67' PM _____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE.P.S. 1

F.E/I ____ R.E. 2

H&SO ____ P.E. 1

C/SE ____ QCM 1

P.M. ____ H&SO 1

HOP ____ P.M. ____

" ____ HOP ____

" ____ " ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. Jon APP

" SUPV. 1 EMPS. 2

USCOE/EPA 1 " SUB. Leiter & Leiter

" ____ SUPV. 1 EMPS. 3

VISTORS on-site Health & safety, State archeol

Boy Bee (Hard Hat)

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 7

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand-By		
" 963		Stand-By		
" D-6		Stand-By		
Smooth Drum " ~~Roller~~	8			
" 12G		Stand-By		
Compactor		Stand-By		
Dump trk.				
Others		Stand-By		
" air compressor		Stand-By		
" water truck		Stand-By		
" Pick up	8			
"				

PAGE: 1 OF 8

MEETINGS:

PLAN OF DAY Complete Wash station, Start painting trees limbs, hang Ebasco's sign, Laboratory HAS equipment, finish fencing & roll parking area when roller arrives. Survey Control work

SAFETY Discussed general Wash station PPE and decon procedures.

SCHEDULED Weekly meeting was held. Minutes of the meeting will be faxed in within 3 days

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

Activity Events 302: Completed work station
306: Fencing was completed
304: All telephone lines were completely installed

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		RE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS	1000		Pete Post
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
Post driver	No	No	Pete Post

FIELD ENGINEERING ACTIVITIES: (surveyors)

Activity Item 203 (Construction Survey Control)
Control traverse work
Level work for As-Built in support zones

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS All Sampling followed the Chemical & Geotechnical plans. No problems were encountered.

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS	Attach report required by Contract Document					

COMMENTS Chemical & Geotechnical samples taken at Allied Atlas (Pit Run + Bedding). Only Chemical Samples were taken from the Roadway Aggregate. All Samples were taken at locations pointed out by Gary Stile

TECHNICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	11	110
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	9:20A	Support Zone	11 / All	Clean D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: NA Emps. Out: _____

Equipment: In: NA Out: _____

Venders Equipment: In: NA Out: _____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	NA				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY: Everyone Signed in (Date, Time, Company)

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-13-90

Work Areas Checked:
Support Zone

Employees Present in Work Areas:
Dave Dekker, LuAnne Dekker, Peter Porter, Allan Muelleile, Front G., Chia Chang, Tom Klein, Jon Agg, George Lazusky, Craig Carrow, Bob Mckim, Alan Mckim, Gail Reid, Norm Tracy, Grant Marchela, Phil Smith, Scott Hunt, Gary Stiles, Doren Stubbs.

Equipment Being Utilized:
Grader, Loader, roller

PPE Being Utilized:
Class-D

Accidents/Breeches of Procedures:
None

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 13, 1990

Work Performed	No. Hours	Misc. Information
CONTROL TRAVERSE WORK	7	3 MAN CREW
LEVEL WORK FOR AS BUILT IN SUPPORT ZONE	3	*3 MAN CREW * GEORGE & CRAIG DID LEVEL WORK. JON WAS TRACKING DOWN INFO ON CONTROL TRAVERSE POINTS.
	Total	
	10	Signatuer of responsible part George Jayes

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 12, 1990

Has been raining for about four hrs.

Plan of Day Meeting
Wait to see what rain does

Went to Ungerman clay barrow pit, 30.3mi. from site. The first pit dug was TPID-Geo. and chemical samples were taken and witnessed. Geo. sample of TP sampling was being conducted in accordance with the sampling and analysis plan.

Dave asked about having surveyors start layout. I reminded him that he didn't have his H&S papers submitted.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/12/90 DAY: Thursday HRS.WRK. 10 1/2 REPORT NO. 19

WEATHER INFORMATION:

TEMPATURE: High 62 Low 58 WIND: Mph. 10 Dir. _____

PRECIPITATION: 1.26" HUMIDITY: _____ RIVER EL: AM _____ PM 626.29'

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I _____ R.E. 2

H&SO _____ P.E. 1

C/SE _____ QCM 1

P.M. _____ H&SO 1

HOP _____ P.M. _____

" _____ HOP _____

" _____ " _____

ARCO P.M. _____ " _____

OTHERS _____ CANONIE SUB. Letter & Letter

" SUPV. 1 EMPS. 3

USCOE/EPA 1 " SUB. Jon APP

" _____ SUPV. 1 EMPS. 2

VISTORS _____

MANUAL CANONIE. Gen. Labor _____ Equip. oper. 7

Truck drivers _____ Others _____

Weather 7/11/90
High 81°
Low 58°
precipitation : 0.04"

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand-By		
" 963		Stand-By		
" D-6		Stand-By		
~~" D-4~~		~~St~~		
" 12G		Stand-By		
Compactor		Stand-By		
~~Dump trk.~~				
Water Truck Others		Stand-by		
Air compressor "		Stand-by		
½ ton pick up "		Stand-by		
Leger beaver chipper		Stand-by		
"				

PAGE: 1 OF _____

MEETINGS:

PLAN OF DAY Sample Ungermann's pit (Geotechnical and Chemical)

SAFETY Tailgate meeting discussed safety equipment (PPE) existing today.

SCHEDULED scheduled Thursday meeting was postponed until Friday

UN-SCHEDULED meeting at 16:30 to briefly go over status of Submittals and Items required to be in place before start of Clearing

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

ITEM # 302 (Repair Support AREA)

Constructing Work AREA

ITEM # 304 - NY Ball (cautioned marking telephone sys.)

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. Silt Fence		4000 Ft	MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Review Plans 1.5 hr.

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS Sampling for Ungermann Pit was completed according to the Geotechnical & Chemical sampling Plans. *Chemical Test Pits (TP2, TP6, TP10 from Geotechnical analysis to be performed on TP-1, TP-2 TP5 & TP6, TP-10. Four buckets total. TP5, TP6 are combined in one bucket.

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Completed Geotechnical & Chemical Sampling at Ungermann Pit

TECHNICAL CONCERNS/PROBLEMS: None

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	14	140
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	9:45A	Support Zone	D / 0	Clean-D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: NA Emps. Out: _____

Equipment: In: NA Out: _____

Venders Equipment: In: NA Out: _____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	NA				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Everyone signed in (date, time, company)

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-12-90

Work Areas Checked:
Support Zone

Employees Present in Work Areas:
Dave Dekker, LaVonne Dekker, Pete Porter, Chris Chang, Allan Mewelterleile, Frank G., Tom Klem, Bob Mckin, Clint Mckin, Scott Hyatt, Phil Smith, Norm Tracy, Grant Maichele, Gail Reid, Fencing crew (4), Phone crew (2), Surveyors (3), Gary Stiles,

Equipment Being Utilized:
Grader, Loader.

PPE Being Utilized:
Clean-D

Accidents/Breeches of Procedures:
None.

John App
Licensed Surve

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 12, 1990

Work Performed	No. Hours	Misc. Information
REVIEW PLANS	1 1/2	2 MAN CREW
	Total	
	1 1/2	

Signatuer of responsible part

George Zyuds

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 11, 1990

Arrived at 6:40a.m. Canonie crew was arriving
Attended Plan of day meeting
- °Repair stools and sinks in offices
- °Setup decon trailer
- °Fence man to be on site

Dave asked if I could give him a speed memo to work on wash pad. He wants to send the surveyors into layout SLA. I asked if he had the H&S and Medical results. He had an invoice from the company that conducted the training. I could not accept that.

Call Vanu
- Need coord. ref. pt. surveyors
- Need CELA info surveyors
- Submittals

Called Gary Cupples back. He gave me the information STA.-PI #5 and PI #52 on route 19 - Veness Lane - RR spike 504' S.E. Will FAX drawing tonight. The App engineer and I went to Rt. 19 and located the Hubs (spikes) also found spike at bridge and along County Rt. 44
Discussed missing office equipment with Dave, he feels I hold minor things over him and he is trying to resolve the major ones. I told him , he or I either one would be handicapped, if we do not get the items in place that need to be there. If they can't complete the minor items, how can they expect to complete the major ones. He said he could not do anything about the phones, I reminded him he was able to get one in his office. He will have them put a line in our office, but not to expect phones untill next week.

Chea and Frank are on site today. Chea asked if we could go over the submittals. I agreed to try early next week. If possible, Vanu should be present. Frank asked me to go with him to witness sampling of borrow material. I can go in the morning, as I have a meeting today.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/11/90 DAY: Wednesday HRS.WRK. 10hrs REPORT NO. 18

WEATHER INFORMATION:

TEMPATURE: High _____ Low _____ WIND: Mph. 0 Dir. _____

PRECIPITATION: _____ HUMIDITY: Mod RIVER EL: AM 4.45' PM 4.44

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I _____ R.E. 2

H&SO _____ P.E. 1

C/SE _____ QCM 1

P.M. _____ H&SO 1

HOP _____ P.M. _____

" _____ HOP _____

" _____ " _____

ARCO P.M. _____ " _____

OTHERS _____ CANONIE SUB. Joe AAP

" SUPV. 1 EMPS. 2

USCOE/EPA 1 " SUB. _____

" _____ SUPV. _____ EMPS. _____

VISTORS Olean telephone _____

MANUAL CANONIE. Gen. Labor _____ Equip. oper. 6

Truck drivers _____ Others _____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand by		
" 963	8			
" D-6		Stand by		
" D-4				
" 12G	8			
Compactor		Stand by		
Dump trk.				
Water Truck Others		Stand by		
Air Compressor		Stand by		
eger beaver digger		Stand by		
pick up "		Stand by		
"				

MEETINGS:

PLAN OF DAY Fix toilets (U.S. Corp / EPA + truck trailers) Fix sink in Ebasco trailer, Finish complete line drain for wet. Set up each trailers deck, boot rack, shelves & hook up water to it

SAFETY Morning tailgate meeting discussed general construction safety and status of medical and training certificates.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

ITEM # 302, 303, 304, 207

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC. #2 shore		66.05 tons
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. # 2 shore		79.67 tons	MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

SURVEY TOPOGRAPHIC FEATURES OF SUPPORT ZONES.
INSPECTED DIKE ALIGNMENT AREA FOR
PRESENCE OF ANY EXISTING SURVEY POINTS

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS: None

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	15	150
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	10:15A	Support Zone	15 / All	Clean-D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: NA Emps. Out:

Equipment: In: NA Out:

Venders Equipment: In: NA Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	NA				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE

DAY SUMMERY:

Everyone who entered site was signed in or signed in w/ (Date, time, Company)

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/10/90 DAY: Tuesday HRS.WRK. 10 hr. REPORT NO. 18

WEATHER INFORMATION:

TEMPATURE: High 87 Low 59 WIND: Mph. 0 Dir. _____

PRECIPITATION: None HUMIDITY: mod. RIVER EL: AM 4.57' PM 4.51'

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE.P.S. 1

F.E/I ____ R.E. 1

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP ____ P.M. ____

" ____ HOP ____

" ____ " ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. Jos APP

" SUPV. 1 EMPS. 1

USCOE/EPA 1 " SUB. Lotte & Lotter

" ____ SUPV. 1 EMPS. 2

VISTORS NY Bell Telephone (1) Ocean Telephone (2)

Thomas Barnett (Allegany Co)

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 6

Truck drivers ____ Others 1

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	8			
" 963	8			
" D-6		Stand-by		
" D-4				
" 12G	8			
Compactor		Stand-by		
Dump trk.				
Water truck Others		Stand-by		
Leger bucket chipper		Stand-by		
Air compressor		Stand-by		
Pick-up "	8			
"				

PAGE: 1 OF ____

MEETINGS:

PLAN OF DAY Complete sewer lines, backfill & grade
Pick up + general overall clean site support area
Storm + grade parking lot for employees + workers

SAFETY Discussed days plan with workers. Reviewed general construction safety. Gave site specific training to new worker - Phil Smith. Informed workers of receives days air monitoring.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA
ITEM # 302, 306, 304, 203

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC. #2 Stone		180.00 tons
MISC.	CY		" Sand		10. tons
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. #2 stone		193.48 tons	MISC. Sand		48.5 tons

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS: None

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	11	110
"D"mod		
"D"		
"C"		
"B"		
QTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	NA				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	7:50A	Support Zone	11 Loader, Grader, Backhoe	Clean-D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: NA Emps. Out:

Equipment: In: NA Out:

Venders Equipment: In: NA Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	NA				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Everyone Signed in (Date, times, Company)

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-10-90

Work Areas Checked:
Support Zone

Employees Present in Work Areas:
Dave Dekker, Peter Porter, LuVonne Dekker, Allen Mueller/eile, Doreen Stubbs, Gary Stiles & wife, Tom Klein, Jon App, George Lawsky, Gail Reid, Bob McKim, Clint McKim, Norm Tracy, Phil Smith, Scott Hunt

Equipment Being Utilized:
Backhoe, Grader, ~~Dozer~~, loader, pick up

PPE Being Utilized:
Clean-D

Accidents/Breeches of Procedures:
None.

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter
CONTRACTORS SUPERVISOR:
DATE: 7/10/90
HOURS ON SITE: 10 hrs

PROJECT LOCATION: Wellsville Refinery
WEATHER & TEMPERATURE:

JOB NO: 88-093
LOCATION OF WORK: Support Area

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

ITEM # 302 (Prepare Support Area)
- Stoned & Graded parking lot for employees
- Graded Visitor Parking lot

306 (Install Fencing)
- Letter & Letter
drove posts to close site access to OTis Enclosure at North end of site. will fabric as soon as possible

304 (Install Utilities)
- NY Bell & Olean telephone continued installing phone system
- completed one line to Canonie trailer
- Sewer line was completed and backfilled and graded

203 (Construction Survey Control)
- Level work in support zone
- ~~Reconstruct SLA stakes~~
- office plotting of SLA Coordinates

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

John App
Licensed Surveyor

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 10, 1990

Work Performed	No. Hours	Misc. Information
LEVEL WORK W SUPPORT ZONE	7	2 MAN CREW
OFFICE PLOTTING OF SLA COOR	2½	2 MAN OFFICE
	Total	
	9½	Signatuer of responsible part

George App

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 9, 1990

Arrived at site at 6:45a.m. Most of Canonie was on site.

Dave and I discussed the past weeks events. He was impressed with Tom's knowledge of the contract, and has even a better understanding of what is required.

°Sample and analysis for Geotec & Chemical they intend to perform this over. With witness to the sampling. Asked if they could submit alternate borrow pits? I told him as long as they meet spec. He thinks they may need to move material at a faster pace. I agreed.

°Submit drawing of wash pad. I went with Dave and Alan to the place bhey want to place this. I suggested they run it paralell with the road, so the trucks could drive through and not have to back up. They agreed and will install that way. I cautioned them about the SLA.

°Submitted surveyors certification - Not acceptable. I asked Alan and Jon over and explained to them how they should submit these items.

Started excavation and shaping for wash pad. 3:00p.m.

Canonie H&S -Tom reported reading up to 40ppm on HNV at ground level and 5ppm at 1' up in area of washpad const.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/9/90 DAY: Monday HRS.WRK. 10 hrs REPORT NO. 17

WEATHER INFORMATION:

TEMPATURE: High 88° Low 66 WIND: Mph. 0 Dir. —

PRECIPITATION: 0.83 HUMIDITY: high RIVER EL: AM 4.49 PM 4.55

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I ____ R.E. 1

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP ____ P.M. ____

" ____ HOP ____

" ____ " ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. Jon Apa

" SUPV. 1 EMPS. 1

USCOE/EPA 1 " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS R Searle (Cuba) R&P Baker (Cayuga

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 6

Truck drivers ____ Others 1

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	8			
" 963	8			
" D-6	8			
" D-4				
" 12G	8			
Compactor		Stand-by		
Dump trk.				
Water Truck Others		stand-by		
eye bolts chipper		stand-by		
for compressor "		stand-by		
"				
"				

Correction

For Friday (7/6) and Saturday (7/7), we recieved incorrect temperature readings. They should be as follows:

Friday	7/6	High	71°
		Low	50°
saturday	7/7	High	88°
		Low	45°

MEETINGS:

PLAN OF DAY Excell septic holding tank and lines from trailers. Start fit testing workers & others who require it. Repair piping in trailers, backfill electric, start constructing track work & hard wash facilities

SAFETY Informed that 10 day real time air monitoring was completed. Therefore able to lower level of protection to Modified D. Slippery today (watch footing) & explained what Mod. D required them to wear as protection.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

Activity Item #'s

302, 303, 304, 203

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER Started fit testing all workers and anyone else that requires one.

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: ~~None~~

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	100	No	
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

PIELD ENGINEERING ACTIVITIES: (surveyors)

See Attachment pg 7 & 8

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS: None

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	13	130
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	3:25P	SZ/CRZ Gate	OVA	Real-time	0-5ppm
2	4:00P	"	HNU	Real-time	1/2ppm BZ
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	7:45A	Support Zone	13/Backhoe, Grader, Dozer	Clean-D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: NA Emps. Out:

Equipment: In: NA Out:

Venders Equipment: In: NA Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE

DAY SUMMERY:

Everyone Signed in (Date time company)

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter
CONTRACTORS SUPERVISOR: David Lesley
DATE: 7/28/90
HOURS ON SITE:

PROJECT LOCATION: Wellsville Refinery
WEATHER & TEMPERATURE:

JOB NO: 88-093
LOCATION OF WORK: Support AREA

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Item #

302 (Prepare Support AREA)
- scrapped top layer of and off after evening rain
- started constructing truck wash & hand wash facilities

303 (Install trailers)
- Repaired all water connections at trailers and put together sinks & toilets
- Celco
  repaired leaks in Ebasco trailer (2 windows)
  replaced toilet in US Corp/EPA trailer
  reblocked & leveled Ebasco trailer
  replaced door locks on Security, US Corp/EPA, & Canonie trailers

304 (Install utilities)
- installed 1200 gal septic holding tank
- started running lines for sewer from the trailers
- backfilled electric trench
- excavated sewer trench
- finished heat taping and insulating ARCO trailer

203 (Construction Survey Control)
- Preform angular ck on EDM & Transit and Peg test on level
- Set septic holding tank & shot grades on sewer lines
- Core and plan review

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

7/10

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 9, 1990

Work Performed	No. Hours	Misc. Information
SET SEPTIC HOLDING TANK & SHOT GRADE ON SEWER LINE	4	2 MAN CREW
PERFORMED ANGULAR CK ON EDM & TRANSIT AND PEG TEST ON LEVEL	4	
COOR AND PLAN REVIEW	2	
	Total	
	10	

Signatuer of responsible part

George Tyler

8/1

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-9-90

Equipment: OVA, HnU

Real-Time Air Monitoring Results and Work Area
Gate/wash area CH2 - OVA 0-5ppm BZ, 40ppm source
- HnU ½ ppm BZ

Personnel Sampling

Name	Date	IWA

Calibration Method for Equipment
OVA - O-Air, 85% Methane
HnU - Internal/factory.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7-9-90 2:25P	Wash area CRZ	OVA	Century 128	O.A.v, 88% Methane	0-5ppm BZ 40ppm Source	Real-time
7-9-90 3:40P	Wash area CRZ	Hnu	PI 101	Factory / Internal	4ppm BZ 104ppm Source.	Real-time

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-9-90

Equipment: OVA, HnU

Real-Time Air Monitoring Results and Work Area
Gate/wash area CRZ - OVA 0-5ppm Bz, 40ppm source
- HnU ½ ppm Bz

Personnel Sampling

Name	Date	TWA

Calibration Method for Equipment
OVA - O-Air, 8.8% Methane
HnU - Internal/factory.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7-9-90 2:25P	Wash area CRZ	OVA	Century 128	O.A.V, 88% Methane	0-5ppm BZ 40ppm Source	Real-time
7-9-90 3:40P	Wash area CRZ	Hnu	PI 101	Factory / Internal	1/2ppm BZ 10+ppm Source.	Real-time

Jul. 8, 1990

No

Work

On

Site

Jul. 7, 1990

See

Tom Granger

Notes

Gary Stiles

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 7/7/90 DAY: Saturday HRS.WRK. 10½ REPORT NO. 16

WEATHER INFORMATION:
TEMPATURE: High 50° Low 45° WIND: Mph. 0-5 Dir. SE
PRECIPITATION: 0 HUMIDITY: High RIVER EL: AM — PM —

PERSONNEL: NON-MANUAL EBASCO. C.M. ____ CANONIE. P.S. 1
F.E/I ____ R.E. 1
H&SO ____ P.E. ____
C/SE ____ QCM ____
P.M. ____ H&SO ____
HOP ____ P.M. ____
" ____ HOP ____
" ____ " ____
ARCO P.M. ____ " ____
OTHERS ____ CANONIE SUB. Jon APP
" SUPV. 1 EMPS. 2 1
USCOE/EPA ____ " SUB. ____
" ____ SUPV. ____ EMPS. ____
VISTORS ____

MANUAL CANONIE. Gen. Labor ____ Equip. oper. ____
Truck drivers ____ Others SECRETARY

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		stand-by		
" 963		stand-by		
" D-6		stand-by		
" D-4		stand-by		
" 12G		stand-by		
Compactor		stand-by		
Dump trk.				
water truck Others		stand-by		
leger beaver chipper		stand-by		
air compressor		stand-by		
"				
"				

MEETINGS:

PLAN OF DAY

Complete level loop for Municipal Bldg. to Site and back to Municipal Bldg.

SAFETY

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

302 TRUCK WASH DESIGN

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER PROJECT ADMIN.

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		•		
TOE TRENCH EXCAV.			•		
CLEAN MATRL.	CY		•		
WASTE MATRL.	CY		•		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REPERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
•				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

PIELD ENGINEERING ACTIVITIES: (surveyors)

See Attachment

203 CONSTRUCTION SURVEY CONTROL

QA/QC ACTIVITIES: NONE

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					

COMMENTS

TECHINICAL CONCERNS/PROBLEMS: NONE

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	4-5	NA
"D"mod		
"D"		
"C"		
"B"		
QTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	NA				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	NA				
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS: NA

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In: _____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES: NA

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1					
2					

Accident/Breeches Report:_____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Everyone Signed in (Date, time, Company)

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 7, 1990

Work Performed	No. Hours	Misc. Information
LEVEL LOOP FROM MUNICIPLE BLDG TO SITE & BACK TO MUNICIPLE BLDG.	10	GEORGE, JOE
	Total	
	10	

Signatuer of responsible part

George Tapert

7/7

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 7-7-90

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

None

Job-Related Illness or Injuries

Car door shut on George Lazusky's left ring finger upon exiting car during arrival at work 7-5-90.

Weather Data Ave Temp. 62°F - 88°F
Wind W-SW at 5-20mph
Precip. Trace

Air Monitoring Summary

OVA - Open
MSA - 0% LEL, 20.9% O_2.

Jul 6 . 1990

See

Tom GRANGER

Notes

Gary Stiles

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/6/90 DAY: Friday HRS.WRK. 10 hrs REPORT NO. 15

WEATHER INFORMATION:

TEMPATURE: High 64 Low 50 WIND: Mph. 5-10 Dir. NE

PRECIPITATION: None HUMIDITY: High RIVER EL: AM 4.40' PM ____

PERSONNEL: NON-MANUAL EBASCO. C.M. ____ CANONIE. P.S. 1

F.E/I ____ R.E. 1

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP 1 P.M. ____

" ____ HOP ____

" ____ " ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. Jon APP

" SUPV. 1 EMPS. 2

USCOE/EPA 1 " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS Olean Telephone (3), Charlie Allen Calligan Water (2), Water company (3)

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 6

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	8 hrs			
" 963		Stand-by		
" D-6		Stand-by		
" D-4				
" 12G	4 hrs	Stand-by		
Compactor		Stand-by		
Dump trk.				
Water Truck Others		Stand-by		
eger beaver chipper		Stand-by		
Air Compressor		Stand-by		
"				
"				

PAGE: 1 OF 8

MEETINGS:

PLAN OF DAY Finish installing water lines and tie-in on water. Set up ARCO's Excavator, Repair S. Fence line, weatherize ARCO's & Ebasco's pipes, backfill & grade around water meter box.

SAFETY Morning tailgate meeting. Discussed general construction safety and move to clean-D in Support Zone.

SCHEDULED 10 Am - Weekly meeting with Ebasco

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

Item # 304, 302, 303, 306

See Attachment

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER Equipment ARRIVAL

8 X 24 trailer, Air Compressor

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

See Attachment

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS: None

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	16	NA
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	NA				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.		PPE level	Violation
1	8:20A	Support Zone	16	All	Clean-D	None
2						
3						
4						
5						

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: NA Emps. Out:

Equipment: In: NA Out:

Venders Equipment: In: NA Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	NA				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

Employees signed in (Date, Time, Company)

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter
CONTRACTORS SUPERVISOR: ~~A. MUELLER~~ DAVE DEWKER
DATE: 7/6/90
HOURS ON SITE: 10 hrs

PROJECT LOCATION: Wellsville Refinery
WEATHER & TEMPERATURE: H 64° L 50° Cloudy

JOB NO: 88-093
LOCATION OF WORK: Support AREA

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity Item #

#304 (Install Utilities)
- Finished installing water lines to all trailers
- Heat traced & insulated water lines to Ebasco and ARCO
- Water Company installed meter and a meter pit and turned the water on.
- Olean telephone started installing lines

#302 - (Remove Support AREA)
- back filled & graded around meter pit

#303 (Install Trailers)
- Set up furniture in ARCO trailer

Problem: All trailers had either pipe leaks or other leaks when the water was turned on

Remedy: Will fix ourselves

#306 (Install fencing)
- Repaired South fence line
- lowered fence or cut fence to enable anyone from crawling under
- extended fence 10 ft towards river.

#203 - (construction survey control)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

7/8

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 6, 1990

Work Performed	No. Hours	Misc. Information
ESTABLISHED CONTROL BASE LINE ALONG S. BROOKLYN ST AND STARTED LEVEL LOOP	10	GEORGE, JOE
	Total	
	10	

Signatuer of responsible part

George App

8/8

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-6-90

Work Areas Checked:
Support Zone

Employees Present in Work Areas:
Dave Dekker, Peter Porter, Tom Klein, Doren Stubbs, Tom Granger, Bob McKim, Clint McKim, Scott Hunt, Norm Tracy, Gail Reid, U.T. telephone (3), Allen M., LaVonne Dekker, App Surveyors (3)

Equipment Being Utilized:
Backhoe, Grader

PPE Being Utilized:
Clean-D

Accidents/Breeches of Procedures:
none

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-11-90

Work Areas Checked:
Support Zone

Employees Present in Work Areas:
Dave Dekker, LaVonne Dekker, Tom Klein, Pete Porter, Chin Chang, Frank ?, Allen Meulerlelie, Bob McKim, Clint McKim, Gail Reid, Phil Smith, Norm Tracy, Grant Maichele, Scott Hunt, Gary Stiles & Wife, Doren Stubbs, Phone crew (2)

Equipment Being Utilized:
Loader, Grader

PPE Being Utilized:
Clean-D

Accidents/Breeches of Procedures:
None

T/9

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: David Dubber | DATE: 7/11/90 | HOURS ON SITE: 10 Hrs

PROJECT LOCATION: Wellsville Refinery | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: Support AREA

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

ITEM # 302 (Prepare Support AREA)
- Staked & Graded area for wash trailer
- Started staking visitor parking

303 (Install Trailers)
- Fixed toilets (Chicago/EPA & Canonie wash trailer)
- Fixed sink in Ebasco
- Set and blocked (leveled) wash trailer
  built boot rack, deck, steps
  installed shelves
  hooked up water

304 (Install Utilities)
- Olsen telephones
  continued installing phone system
- water hooked up to wash trailer
- replaced bad frost free hydrant
- completed water system drain for entire pipe system

203 (SURVEY CONTROL)
- SURVEY TOPO FEATURES OF SUPPORT ZONE
- WALKTHROUGH DIKE ALIGNMENT TO INVESTIGATE PRESENCE OF EXISTING SURVEY POINTS

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 11, 1990

Work Performed	No. Hours	Misc. Information
TOPO FEATURES OF SUPPORT ZONE SHOT	6	2 MAN CREW
SITE WALKTHROUGH TO INVESTIVATE PRESENCE & CONDITION OF EXISTING SURVEY POINTS	4	↓
	Total	
	10	

Signatuer of responsible part

George Jappt
9/9

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 10, 1990

Arrived at site at 6:45a.m. Canonie crew was coming in.

Attended Plan of Day Meeting
Continue on wash pads
Continue to equip decon trailer
Continue run danitary lines and backfill
Fence man scheduled in today
Phone man scheduled in today

Dave and his men were at the wash pad area. I was looking at a discolorization of the soil, Dave said, "We don't want to get into that". I told him to get the SLA layed out before he did anymore. He said, "We would not let Jon App into the CRZ. I told him Jon had not given us acceptable paper work. And, I had given him the stake coord. for the CELA & SCA, and his engineer, Pete, was there yesterday when his men plowed under the stakes that were marked TP08R, and the sheet I gave him shows it as being near waste. He said he would lay it out. I told him he should do that before he went any further.
Alan came in with the surveyors paper. I sent him back for more clarification.
Alan came and asked if it was o.k. for the surveyors to layout SLA. I told him it was, as long as the H&S requirement was followed. Tom said that he did not have any papers for H&S training. I said I would allow them to go in with PPE and wash at exit, without papers. Dave came in and said he was not going to send the surveyors in without a special memo, since I had stopped him from building the wash pad. He was going to require written authorization for work. I told him that he did not follow the contract requirements of stopping work and notifying C.M. He continued to spread waste material and operate their equipment in this material. His engineer, Pete, was present when we found the stake TP-08R and Pete stuck it back in the ground and told the dozer operator not to disturb it. But, this morning it is not there. The dirt pile is 6' to 8' behind where it was. And, I have no choice but write it up. If they contaminated the wash pad embankment, then he is responsible for it's disposal. If he wants everything in writing, then I can live with that.
Called Niel G. about SLA coords. Sent info by FAX
Phone company came and hooked up one phone in Canonie's trailer. I asked Dave about this. He said that there was a mixup, but he had talked with phone co. They would try to get it working Wed. or Thur. I suggested he get them in by Wed. He said would try.
Gave Alan a copy of the SLA plan of TP coord.

Jul 5 - 1990

See

Tom Granger

Notes

Gary St. Les

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/5/90 DAY: Thursday HRS.WRK. 10 hrs REPORT NO. 14

WEATHER INFORMATION:

TEMPATURE: High _____ Low _____ WIND: Mph. 0-5 Dir. S

PRECIPITATION: None HUMIDITY: _____ RIVER EL: AM 04.43' PM 04.42'

PERSONNEL: NON-MANUAL EBASCO. C.M. _____ CANONIE.P.S. 1

F.E/I _____ R.E. 1

H&SO _____ P.E. 1

C/SE _____ QCM _____

P.M. _____ H&SO 1

HOP 1 P.M. _____

▪ _____ HOP _____

▪ _____ ▪ _____

ARCO P.M. _____ ▪ _____

OTHERS _____ CANONIE SUB. Lotter & Lotter

▪ SUPV. _____ EMPS. 3

USCOE/EPA 1 ▪ SUB. Jon APP

▪ _____ SUPV. 1 EMPS. 2

VISTORS NY Telephone, Niagara Mohawk

MANUAL CANONIE. Gen. Labor _____ Equip. oper. 6

Truck drivers _____ Others _____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	8 hrs			
▪ 963		Stand-by		
▪ D-6	8 hrs.			
▪ D-4				
▪ 12G	4 hrs	Stand-by		
Compactor		Stand-by		
Dump trk.				
Water Truck Others		Stand-by		
eager beaver ▪ chipper		Stand-by		
▪				
▪				
▪				

MEETINGS:

PLAN OF DAY Discussed the days activities with the workers. Install fire extinguishers, assembly 06, hook up water lines to the trailers, and backfill part of the electric trench. Obtain approved SAP and schedule sampling for...

SAFETY Tailgate safety meeting with Nora Troy and Scott Hunt on general contractors safety

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

Activity item #: 704, 306, 302, 303

(See Attachment)

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Traveled to ~~Buffalo~~ Rochester to peg levels and checked EDM, oriented transit and verified rods and tapes.

(See Attached Surveyors report)

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS	Attach report required by Contract Document					

COMMENTS Working to get approved SAP

TECHINICAL CONCERNS/PROBLEMS: None

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	15	Approx. 85
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	4:15 P	Support Zone	6 / None	Clean-D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: NA Emps. Out:

Equipment: In: NA Out:

Venders Equipment: In: NA Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	7:00A	Support Zone	1 - personal car	Bruised finger, Lt ring	clean & bandage
2					

Accident/Breeches Report: Finger of left ring finger shut in car door.

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Everyone signed in with date and time.

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-5-90

Work Areas Checked:
Support Zone

Employees Present in Work Areas:
Dave Dekker, LaVonne Dekker, Peter Porter, Tom Klein, Lotter Fencing (3), App Surveyors (3)
Norm Tracy, Scott Hunt, Doren Stubbs, Tom Granger, ALAN MUELLERLEILE

Equipment Being Utilized:
Backhoe (235)
Bulldozer (D6)

PPE Being Utilized:
Hard Hat, leather gloves (opt), safety glasses, safety boots

Accidents/Breeches of Procedures:
Car door shut on George Lazusky (App) left ring finger.

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter CONTRACTORS SUPERVISOR: [illegible] DATE: 7/5/90 10 hrs HOURS ON SITE: 07:00 - [illegible]

PROJECT LOCATION: Wellsville Refinery WEATHER & TEMPERATURE:

JOB NO: 88-093 LOCATION OF WORK: Support AREA

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity ITEM

304

- Backfilled electric trench from pole to the trailers and placed caution tape approx. 1.5 ft above the lines.
- Niagara Mohawk finish hooking up the electric and energized the lines.
- Connected water line to Canonie office trailer and Ebasco office trailer
installed attachment for hose on Ebasco trailer

302

- Graded area where electric trench was backfilled

303

- Installed fire extinguishers in every trailer

306

- Letter & Letter
continued installing fence fabric and started patching gaps in the fences.

Other

Attached blade on D6
Installed fire extinguishers on all equipment

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

8/16

Change form:

7-6-90

Re: Reduction of PPE in Support Zone.

10 days of air monitoring have shown 0ppm (OVA) and 20.9% O_2 - 0% LEL (MSA).

The PPE for the support zone will be down graded as follows:

Hard hats
Steel-toed boots (optional)
leather gloves (optional)
Safety glasses (optional/as needed)
regular work clothes.
Hearing protection (optional/as needed)

Thomas Klein 550

Accident Report

Date: 7-5-90

Time: 7:00 AM

Brief description of situation:

At approximately 7:00AM the survey subcontractors, Jon Epp, George Lazusky, and Craig Carrow were unloading supplies from their vehicle. During this process Mr. Carrow shut one of the vehicle doors on the left ring finger of Mr. Lazusky. The door "pinched" Mr. Lazusky's finger across the cuticle of the nail bed. The affected area bleed for approximately five minutes.

First Aid Rendered:

Pressure was applied to the nail bed area of the left ring finger. Once bleeding stopped, the area was cleansed with ~~an~~ an iodine prep pad and a finger tip bandage applied. The patient was instructed to watch the area for swelling, redness, and immobility. If any ~~of~~ of these symptoms occur he is to report them to the SSO.

Control of future Situations:

All employees have been instructed to pay closer attention to detail when loading and unloading supplies.

SSO: Thomas M. Klein Thomas M. Klein

Injured Party: George J Lazusky 10/16

John App
Licensed Surv

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JUNE 25, 1990

Work Performed	No. Hours	Misc. Information
HAZARDOUS WASTE HEALTH & SAFETY TRAINING	10	JON, GEORGE, CRAIG
	Total	

Signatuer of responsible party

George Jappe

John App
Licensed Surveyo

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
• CANONIE ENVIROMENTAL

FOR
• DAILY TIME RECORD

DATE: JUNE 26, 1990

Work Performed	No. Hours	Misc. Information
HAZARDOUS WASTE HEALTH & SAFETY TRAINING	10	JOHN, GEORGE CRAIG
	Total	

Signatuer of responsible party

George [illegible]

12/16

John App
Licensed Surveyor

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670



REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JUNE 27, 1990

Work Performed	No. Hours	Misc. Information
HAZARDOUS WASTE HEALTH & SAFETY TRAINING	10	JON, GEORGE, CRAIG
	Total	

Signatuer of responsible party

George Taylor 5/16

John App
Licensed Surveyo

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JUNE 28, 1990

work Performed	No. Hours	Misc. Information
HAZARDOUS WASTE HEALTH & SAFETY TRAINIG	10	JON, GEORGE, CRAIG
	Total	

Signatuer of responsible party.

George [illegible]

7/16

John App
Licensed Surveyor

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670



REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: JULY 2, 1990

Work Performed	No. Hours	Misc. Information
PHYSICAL EXAMS	8	JON, GEORGE, CRAIG
	Total	

Signatuer of responsible party

George Jayne

15/16

John App
Licensed Surveyo

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670



REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE:

Work Performed	No. Hours	Misc. Information
	Total	

Signatuer of responsible party

_____

Jul 4 . 1990

No
work
on
site

Jul 3, 1990

See

Tom Granger

Notes

Gary Stile

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 7/3/90 DAY: Tuesday HRS.WRK. 10 hrs REPORT NO. 13

WEATHER INFORMATION:
TEMPATURE: High 88 Low 52 WIND: Mph. 5-10 Dir. SE

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM 4.51' PM ____

PERSONNEL: NON-MANUAL EBASCO. C.M. ____ CANONIE. P.S. 1

F.E/I ____ R.E. 1

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP 1 P.M. ____

▪ ____ HOP ____

▪ ____ ▪ ____

ARCO P.M. ____ ▪ ____

OTHERS ____ CANONIE SUB. York Electric

▪ SUPV. ____ EMPS. 1

USCOE/EPA ____ ▪ SUB. APP Surveyors

▪ ____ SUPV. 1 EMPS. 2

VISTORS Ken Barrett (looking for work)

Bill Wigil (Strobels Welding)

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 4

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand-By		
▪ 963		Stand-By		
▪ D-6		Stand-By		
▪ D-4				
▪ 12G		Stand-By		
Compactor		Stand-By		
Dump trk.				
Water Truck Others		Stand By		
eager Beaver ▪		Stand By		
▪				
▪				
▪				

MEETINGS:

PLAN OF DAY Set up sampling procedure with Frank Gutherie - BORROW PIT - Set up sampling date with Norm Ungerman and Tom Granger - ESAKU Locate and scan installed electric lines. Review Tech & Sampling procedures - TELEPHONE

SAFETY Discussed what safety equipment is needed and wear it as order.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

Activity ID # 303
moved furniture into ARCO trailer #304

Larry York - completed hooking up electric LINES IN TRAILERS - NOT ENERGIZED

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REPERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

OBTAINING H & P Points

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHNICAL CONCERNS/PROBLEMS: None

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	6	40 hrs
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	10:25A	Support Zone	OVA	Real-time	0ppm
2	10:30A	Support Zone	MSA	Real-time	20.9%O2, 0%LEL
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	10:30A	Support Zone	5 / 0	Clean	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: NA

Equipment: In: None Out: NA

Venders Equipment: In: NA Out: NA

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Everyone signed in and recorded time of arrival

A. MUELLER/LEILE RECEIVED U.S. H&S BRIEFING

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7-3-90 10:25A	Support Zone	OVA	Century, 128	0-Air; 8.8% Methane	0ppm	Real-time
7-3-90 10:30A	Support Zone	MSA	261	Background, internal	20.9%O2 0%LEL	Real-time

7/5

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-3-90

Work Areas Checked:
Support Zone

Employees Present in Work Areas:
Dave DeKker, Tom Klein, Peter Porter, Tom Granger, York electric (1).
Allen Muellerkile.

Equipment Being Utilized:
None.

PPE Being Utilized:
Hard hat, safety glasses, safety boots, leather gloves.

Accidents/Breeches of Procedures:
None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-3-90

Equipment: OVA Century 128
MSA 261

Real-Time Air Monitoring Results and Work Area

OVA - Support Zone - 0ppm
MSA - Support Zone - 20.9% O_2
0% LEL

Personnel Sampling

Name	Date	TWA

Calibration Method for Equipment

OVA - O-Air, 8.8% Methane
MSA - Internal, Background.

Jul 2, 1990

See

Tom Granger

Notes

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/2/90 DAY: Monday HRS.WRK. 10 hrs REPORT NO. 12

WEATHER INFORMATION:

TEMPATURE: High 87° Low 53° WIND: Mph. 0-5 Dir. NE

PRECIPITATION: none HUMIDITY: Low-mod RIVER EL: AM _____ PM 04.60'

PERSONNEL: NON-MANUAL EBASCO. C.M. _____ CANONIE. P.S. 1

F.E/I _____ R.E. 1

H&SO _____ P.E. 1

C/SE _____ QCM _____

P.M. _____ H&SO 1

HOP 1 P.M. _____

" _____ HOP _____

" _____ " _____

ARCO P.M. _____ " _____

OTHERS _____ CANONIE SUB. Larry York

" SUPV. 1 EMPS. 1

USCOE/EPA 1 " SUB. Lotter & Lotter

" _____ SUPV. 1 EMPS. 4

VISTORS _____ SUB. Jon APP

_____ Supt. 1 Eqpr. 2

MANUAL CANONIE. Gen. Labor _____ Equip. oper. 4

Truck drivers _____ Others _____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	4 hrs	Stand-by		
" 963	2 hrs	Stand-by		
" D-6		Stand-by		
" D-4				
" 12G	2 hrs	Stand-by		
Compactor		Stand-by		
Dump trk.				
Others		Stand-by		
beger beaver water truck "		Stand-by		
"				
"				
"				

MEETINGS:

PLAN OF DAY Discussed what sub contractors were going to be on site and what they were doing. Noted what time and what kind of equipment is going to arrive. In general discussed what we want to accomplish.

SAFETY Reviewed proper H & S requirements noting proper equipment that must be worn

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA Activity ID 302, 306, 303, 304

See Daily Report Attachment

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		•		
TOE TRENCH EXCAV.			•		
CLEAN MATRL.	CY		•		
WASTE MATRL.	CY		•		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS	1015		Pete Porter
SANITARY WSTE.	GALS	100		Pete Porter
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
•				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
Ford tractor post driver		No	

FIELD ENGINEERING ACTIVITIES: (surveyors)

H & S Training and Physicals

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

None

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	10 On site 10 off site	90 hrs. - Support Zone
"D"mod		
"D"		
"C"		
"B"		
QTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	10:20A	Support Zone	OVA Century-128	Real-time	0ppm
2	10:30A	Support Zone	MSA-261	Real-time	20.9%O2, 0%LEL
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level (mod.'d)	Violation
1	12:00N	Support Zone	10	Clean-D	None.
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: NA Emps. Out: NA

Equipment: In: NA Out: NA

Venders Equipment: In: NA Out: NA

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	NA				
2					

Accident/Breeches Report: NA

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Started Sign in log

Will initiate sign out log when security personnel arrive

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: [signature] | DATE: 7/2/90 | HOURS ON SITE: 07:00 - 17:30

PROJECT LOCATION: Wills Ave Refinery | WEATHER & TEMPERATURE: Sunny H 92° L 53° slight breeze

JOB NO: 88-093 | LOCATION OF WORK: Support Area

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity ID # 302
- graded support area to fill in ruts after rain
picked up trash and cleaned area

306
- Cutter & Litter
- Started installing fence fabric and hung gates

303
- Mary & Mary
Blocked and Leveled offices trailers
(ARCO, Ebasco, Canonie)

304
- York electric
Continued installing electric service
- EE Root & Sons
Laid phone cable in trench and installed the phone box

Equipment Arrival:
Canonie water truck
D6 Dozer

Other:
Garbage Dumpster was emptied
Port-o-Potties were pumped & cleaned
Resident Engineer ~~arrived~~ in transit to site
(Alan Mueller/Lyle)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-2-90

Work Areas Checked:
Support Zone

Employees Present in Work Areas:
Dave Dekker, Peter Porter, T Dunklein, Doren Stubbs, York electric, phone men(2) Septic man, Cotter fencing (5).

Equipment Being Utilized:
Fencing equip., wire cutters, septic pump.

PPE Being Utilized:
Clean Mod. D. Hard hat, safety glasses, safety boots, leather gloves.

Accidents/Breeches of Procedures:

None

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 1

BY: Peter Porter

CONTRACTORS SUPERVISOR: [illegible]

DATE: 6/30/90 4hrs

HOURS ON SITE: 08:00 - 12:00

PROJECT LOCATION: Wellsville Refinery

WEATHER & TEMPERATURE: H 72° L 66°

JOB NO: 88-093

LOCATION OF WORK: Support Area

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

Project Supt on site from 8:AM To 12:PM while telephone Co installed telephone cable

WORK PERFORMED

N.Y. Bell Telephone dropped line to site pole Installed cable along Broadway & River St.

MATERIALS DELIVERED: (Amount, Condition, Purpose)

COMMENTS/PROBLEMS/AGREEMENTS MADE:

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Sheet 1

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

BY: Peter Porter

CONTRACTORS SUPERVISOR: David McKee

DATE: 8/29/90 1045

HOURS ON SITE: 07:00 - 17:30

PROJECT LOCATION: Wellsville Refinery

WEATHER & TEMPERATURE: precip - 0.80 H 68° L 64°

JOB NO: 88-093

LOCATION OF WORK: Support area

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

CONTRACTORS MEN & EQUIPMENT: (How many of each classification and portion of projects worked on, to include pay items completed.)

Equipment arrival
11:45 Cat 815 Compactor
ARCO trailer - arrived

WORK PERFORMED
- moving tailgate and H&S setting
- started setting up furniture in trailers
- finished clearing east fence line of support area
- put blade on compactor
- Lucy York continued installing electrical lines
- continued hooking up sewer lines

MATERIALS DELIVERED: (Amount, Condition, Purpose)

COMMENTS/PROBLEMS/AGREEMENTS MADE:

River Gauges: 08:04 - 04.50'
17:11 - 04.52'

TEST DATA: (List item(s) here and record details on appropriate test datasheet)

PHONE CALLS:

VISITORS: (Time, Representing, Comments)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
June 30, 1990 to July 8, 1990

I was in relocation mode from Cassville, Mo. to Wellsville, NY

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 31, 1990

Arrived site at 6:45a.m.

Plan of Day Meeting
°Complete decon pad
°Set up steam jenny
°Complete Cross section of dike fdn.
°Establish swale area
°Start grubbing

Looked at stump disposal area with Dave D. and Pete P. The original area is not large enough. I approved the use of the area on the right side of road.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/31/90 DAY: Tuesday HRS.WRK. 10 hrs REPORT NO. 35

WEATHER INFORMATION:

TEMPATURE: High 75 Low 56 WIND: Mph. 10-15 Dir. South

PRECIPITATION: 0.12 HUMIDITY: Low RIVER EL: AM - PM 654.48

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I 1 R.E. 2

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP ____ P.M. ____

" ____ P./Sec. 1

" ____ HOP ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. APP Surveyors

" SUPV. 1 EMPS. 2

USCOE/EPA 1 " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS See Security Log Attached

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 7

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	10			
" 12G	10			
815 Compactor		Stand-by		
Smooth Compactor		Stand-by		
ACPR		Stand-by		
Water Truck		Stand-by		
Steam Gang		Stand-by		
½ ton pick-up	10			
chipper	10			

MEETINGS:

PLAN OF DAY Continue clearing & grubbing
Construction of Access / Work pad
Locate and start placing stumps in Stump Containment
Start Stripping topsoil

SAFETY Construction Clean area down by work area when trailer arrives. Will continue monitoring Rivers edge the grubbing and topsoil removal phases to obtain Real Time in order to down grade level of protection.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 203 (Construction Survey Control)
Activity Items # 401 (Clear West Bank Clean Areas)
305 (Construct CERA Storage Area)
See pg 1 for descript # 403 (Grub West Bank)
501 (Strip topsoil West bank clean Area)

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE	0.65	KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE	0.94	COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY	277.8	CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC. Sand		26.98 tons
MISC.	CY		" #2		108.68 tons
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. Sand		53.46 tons	MISC. #2		108.68 tons

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS	600		
SANITARY WSTE.	GALS	1200		
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

203 Construction Survey Control
Cross-sectioned Sta. 9+00 - 11+50

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	5, 2, 2, 1	50, 4, 2, 5
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
	0933	N.E of CELA	HNu	Real Time	0 ppm
1	0935	N.E of CELA	CGE	R.T.	20.9% O_2, 0% LEL
	0951	N.E of CELA	Minram	R.T.	0.08 mg/m³
2	1027	N.E of CELA	HNu	R.T.	0 ppm
	1029	N.E of CELA	CGE	R.T.	20.9% O_2, 0% LEL
3	1030	N.E of CELA	Minram	R.T.	0.16 mg/m³
	1335	N.E. of CELA	HNu	R.T.	0 ppm
4	1336	N.E. of CELA	Minram	R.T.	0.05 mg/m³
	1395	N.E. of CELA	CGE	R.T.	20.6% O_2, 0% LEL
5	1443	N.E of CELA	HNu	R.T.	0 ppm
	1445	N.E of CELA	CGE	R.T.	19.9% O_2, 0% LEL
6	1446	N.E of CELA	Minram	R.T.	0.05 mg/m³
	1550	E. of CELA	HNu	R.T.	0 ppm
7	1552	E of CELA	Minram	R.T.	0.08 mg/m³
8	1553	E of CELA	CGE	R.T.	20.9% O_2, 0% LEL
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1000	N.E of CELA	5/(Dozer, loader, Truck, Engineer - Real Plan. Area)	- None	
2	1415	N.E of CELA	6/(Dozer, loader, grader, Truck, Engineer - Real Plan. Area)	- None	
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: One (Dozer) Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OP PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Accidents or Incidents to report 31, July 1990

4980

Daily Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337 2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: Dave Dekker | DATE: 7/31/90 | HOURS ON SITE: 10½

PROJECT LOCATION: Sinclair Refinery, Wellsville, N.Y. | WEATHER & TEMPERATURE: Cloudy misting Cool

JOB NO: 88-093 | LOCATION OF WORK: West Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

#401 : Clear West Bank Clean Areas
Sta 15+00 - Sta. 16+50

#305 : Construct CELA Storage Area
- Installed gravel road up into CELA to the approximate location of the Storage Area
- Completed Wash / Decon Pad

#403 : Grub West Bank
Sta 6+50 - Sta 9+00

#501 : Strip Topsoil West Bank Clean Area
Sta. 3+00 - Sta. ~~6+50~~ 9+00

#203 : Construction Survey Control
Cross-sectioned Sta. 9+00 - Sta 8+00

Other : Located and approved 3 stump containment areas at the foot of the CELA
Approved by Dave Dekker and Gary Stiles

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

7/16

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-31-90

Equipment: HNu, minirum, CGI

Real-Time Air Monitoring Results and Work Area

* — Fog, mist in AM. hours may have effected accuracy of readings — HNu, CGI — no levels above normal/background
minirum - minimal levels of total suspended particulate, found

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene
CGI = 15% O_2 / 50% LEL
Minirum = 2.5 mg

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-31-90

Work Areas Checked: N.E. of CELA

Employees Present in Work Areas: Kurt Ettinger, Bob McKim, Clint McKim, Phil Smith, Norm Tracy, Gail Reid, Pete Porter, Dave Dekker, Chris Chang, Alan Mullerleile, Jon App, Craig Carrow, George Luzouski

Equipment Being Utilized: loader, Dozer, Grater, Trackhoe, Chipper, chainsaw

PPE Being Utilized: level C (modified) - Tyvex steel toe (rubber, neoprene), (nitrile gloves/cotton gloves), hard hat, chaps for chainsawing, safety glasses and ear plugs where needed

Accidents/Breeches of Procedures: None

9/16

Activities: grubbing N.E. of CELA - dozer & Trackhoe stump pulling, chipping, tree removal, dozer, grader stripping Top Soil, decon. pad construction

Time 0930, Temp ≈ 62°F, Cloudy (mist), NW wind

Time 1500, Temp 73°F, Cloudy, NW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7/31/90-0953	N.E of CELA	HNu	PI101	Cal = 111 ppm Isobutylene BG = 0	0 ppm (mist)	Real Time
7/31/90-0935	N.E of CELA	CGI	Minigard II SA0601	15% O_2, 50% LEL	20.3% O_2, 0% LEL (mist)	R.T.
7/31/90-0951	N.E of CELA	Miniram	~~PDM-SNS-3~~	Zero Sig	0.08 mg/m³ (mist)	R.T.
7/31/90-1027	N.E of CELA	HNu	PI101	Same as above	0 ppm (mist)	R.T.
7/31/90-1029	N.E of CELA	CGI	SA0601	Same as above	0% LEL, 20.3% O_2 (mist)	R.T.
7/31/90-1030	N.E of CELA	Miniram	PDM-SNS-3	Same as above	0.16 mg/m³ (mist)	R.T.
7/31/90-1335	N.E of CELA	HNu	PI101	Same as above	0 ppm	R.T.
7/31/90-1336	N.E of CELA	Miniram	PDM-SNS-3	Same as above	0.05 mg/m³	R.T.
7/31/90-1338	N.E of CELA	CGI	SA0601	Same as above	0% LEL, 20.6% O_2	R.T.
7/31/90-1443	N.E of CELA	HNu	PI101	Same as above	0 ppm	R.T.
7/31/90-1445	N.E of CELA	CGI	SA0601	Same as above	0% LEL, 19.9% O_2	R.T.
7/31/90-1446	N.E of CELA	Miniram	PDM-SNS-3	Same as above	0.03 mg/m³	R.T.
7/31/90-1550	E. of CELA	HNu	PI101	Same as above	0 ppm	R.T.
7/31/90-1552	E. of CELA	Miniram	PDM-SNS-3	Same as above	0.08 mg/m³	R.T.
7/31/90-1553	E. of CELA	CGI	SA0601	Same as above	20% O_2, 0% LEL	R.T.

10/16

John App
Licensed Surveyor

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 31, 1990

Work Performed	No. Hours	Misc. Information
CROSS SECTION ON ORIGINAL GROUND WET BANK DIKE.	9 1/2	3 MAN CREW
	1/2	2 MAN CREW
	Total	
	10	

Signatuer of responsible part

George [illegible]

11/16

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 31 July 1990

No./Name	Time In/Out	Time In/Out	Remarks In / Out	In / Out
C-1 D. Dekker	6:48 / 7:50	8:05 / 10:18	11:19 / 12:39	1:15 /
C-2 L. Dekker	6:48 / 12:39	1:15 /		
C-3 P. Porter	7:55 / 9:44	10:10 / 12:12	1:56 /	
C-4 A. Muellerleile	7:25 / 12:19	12:41		
C-5 C. Ettinger	10:59 / 12:00	12:21 / 6:15		
C-6 F. Gontowski	/	/		
C-7 C. Chang	7:06 /	/		
C-8 J. App	6:50 / 5:40	/		
C-9 G. Lazusky	6:50 / 5:40	/		
C-10 C. Carrow	6:50 / 5:40	/		
C-11 B. Mckim	6:40 / 5:33	/		
C-12 C. Mckim	6:38 / 5:33	/		
C-13 G. Reid	6:38 / 5:33	/		
C-14 N. Tracy	6:49 / 5:35	/		
C-15 G. Maichele	6:51 / 9:09	10:19 / 10:57	11:32 / 5:39	
C-16 S. Hunt	6:50 / 9:09	10:19 / 10:57	11:32 / 5:39	
C-17 P. Smith	6:38 / 5:38	/		
C-18	/	/		
C-19	/	/		
C-20	/	/		
E-1 G. Stiles	6:50 / 11:51	12:44 / 3:41	4:32 /	
E-2 T. Granger	/	/		
E-3 S. Stiles	12:44 /	/		
E-4 C. Swann	7:04 / 12:14	12:48 / 3:34		
E-5	/	/		
A-1	/	/		
A-2	/	/		
A-4	/	/		
C/E-1 D. Stubbs	9:30 / 12:30	/		
C/E-2	/	/		
C/E-3	/	/		
C/E-4	/	/		
S-1 Jon Palmer	/	/		
S-2 A. Palmer	/	/		
S-3 Jerry Palmer	6:57 / 11:59	/		
S-4 T. Cobb	1:50 / 6:30	/		
S-5 A. Fox	/	/		
S-6	/	/		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 31, July 1990

No./Name	Time In/Out	Time In/Out	Remarks
Boyd Green	7:54/9:01	XXXXXXXXXX 4:15	Green Trucking
Tom Barnett	9:29/9:30		
UPS	10:08/10:13		9 piece delivery
Pattons Busy Bee	10:16/10:26		
Les TARR	12:48/1:00		Abbott Welding Supply
Deans Septic	1:39/2:25		
Fed Express	2:13/2:14		2 pc deliver.
G. Reid's wife	3:57/3:57		to see how long they were to work
U.P.S	4:21/4:22		2 pc pick up
D Dekker	All still working		
L Dekker			
R Porter			
A. Muellerleile			
C Chang			
G Stiles			
S Stiles			

PROJECT ENTRY PERMIT

DATE: 7-31 TIME IN: _____ TIME OUT: 7:45 pm

NAME: Donna Dekker

COMPANY: Connie

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-31 TIME IN: _____ TIME OUT: 7:45 p.m.

NAME: Donna Dekker

COMPANY: Connie

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-31-90 TIME IN: 6:50 pm TIME OUT: 9:50 pm

NAME: Gary L Styles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-31-90 TIME IN: 12:40pm TIME OUT: 7:08pm

NAME: Sue Stiles

COMPANY: EBASCO

BADGE No: E-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7/31 TIME IN: _____ TIME OUT: 7:15

NAME: P Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-1 TIME IN: 7:00 TIME OUT: 7:15 ~~6:45~~

NAME: A. MUELLERLEILE

COMPANY: CANONIE

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-31-90 TIME IN: _____ TIME OUT: 7:05

NAME: CHIA CHANG

COMPANY: CANONIE

BADGE No: C-7

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 30, 1990

Arrived at 6:35a.m.

Plan of Day meeting

Dave named Bob McKim as the grade boss
°Clearing
°Set up steam jenny
°Set up clean trailer
°Check with surveyor before start of grubbing.
°Set up decon pad

Looked at equipment decon pad with Dave, it looked good.

Uncovered some oil-stained soil, but no odor on readings.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/30/90 DAY: Monday HRS.WRK. 10½ REPORT NO. 34

WEATHER INFORMATION:

TEMPATURE: High 100 Low 60 WIND: Mph. 0-5 Dir. N

PRECIPITATION: None HUMIDITY: High RIVER EL: AM 4.44' PM 4.44'

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I 1 R.E. 2

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP ____ P.M. ____

" ____ P/Sec 1

" ____ HOP ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. APP Surveyors

" SUPV. 1 EMPS. 1

USCOE/EPA 1 " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS See Security log

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 7

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
½ ton pick-up	10			
" 12G		Stand-by		
815 Compactor		Stand-by		
0-5		Stand-by		
Smooth Compactor		Stand-by		
ACPR	8			
Water Truck	8			
Steam Genny		Stand-by		
chipper	10			

PAGE: 1 OF 15

MEETINGS:

PLAN OF DAY Continue Clearing West Bank
Start constructing down yard and Stump
containment Start Grubbing West Bank

SAFETY Watch the boat and where you drop
trees. A lot of people doing different things

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Item # 401 (Clear West bank Clear Trees)
Continue clearing West bank and chip as much as possible.
Item # 403 (Grub West bank)
Start Grubbing West bank (all roots 1.5" and larger

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE	0.5	KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		•		
TOE TRENCH EXCAV.			•		
CLEAN MATRL.	CY		•		
WASTE MATRL.	CY		•		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
•				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

ITEM # 203 Contr. Survey Control
Cross-Sectioning West bank (LOC)

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	7, 2	70, 6
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
	0909	N.E of CELA	HNU	Real Time	0 ppm
1	0910	N.E of CELA	CGI	R.T.	20.3% O_2, 0% LEL
	0912	N.E of CELA	Miniram	R.T.	0.00 mg/m³
2	1021	N.E of CELA	HNU	R.T.	0 ppm
	1022	N.E of CELA	C.G.I	R.T.	20.3% O_2, 0% LEL
3	1023	N.E of CELA	Miniram	R.T.	0.00 mg/m³
	1123	N.E of CELA	Miniram	R.T.	0.11 mg/m³
4	1124	N.E of CELA	HNU	R.T.	0 ppm
	1125	N.E of CELA	CGE	R.T.	20.3% O_2, 0% LEL
5	1317	N.E of CELA	HNU	R.T.	0 ppm
6	1318	N.E of CELA	Miniram	R.T.	0.00 mg/m³
7	1320	N.E of CELA	CGI	R.T.	20% O_2, 0% LEL
8	1510	N.E of CELA	HNU	R.T.	0 ppm
9	1513	N.E of CELA	Miniram	R.T.	0.11 mg/m³
10	1515	N.E of CELA	CGI	R.T.	20.5% O_2, 0% LEL

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0915	N.E of CELA	6/Truck, loader, chipper, chainsaw - level D (mod. Exd)		None
2	1430	N.E of CELA	6/Dozer, loader, chipper, chainsaw - level D (mod. Exd)		None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: Dozer Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Accidents OR Incidents to report 30, July 1990

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-30-90

Work Areas Checked:
N.E of CELA work area
Wash Trailer

Employees Present in Work Areas: Kurt Ettinger, Bob McKim, Scott Hunt, Clint McKim, Gail Reid, Norm Tracy, Grant Machek, Phil Smith, Dave DeKker

Equipment Being Utilized: Trackhoe, loader, dozer, chainsaw, chipper, water Truck

PPE Being Utilized: modified level D - Tyvek, Rubber/Neoprene steel toe Boots, Nitrile outer gloves, hard hat, safety glasses & Ear plugs (where needed) Chain saw Chaps

Accidents/Breeches of Procedures:

None.

7/15

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-30-90

Equipment: HNu, Miniram, CGI

Real-Time Air Monitoring Results and Work Area

HNu and CGI showed normal/background levels—
The Miniram showed levels of dust from dry conditions and truck movement—
water truck was run over dry roads. Respirator levels were not reached
The work area was N.E of The CELA

Personnel Sampling

None

Name	Date	TWA

Calibration Method for Equipment

HNu = 11ppm Isobutylene
CGI = 15% O_2 50% LEL
Miniram = ~~Z~~ bag for ~~Z~~ zeroing

Activities: Tree cutting, chipping, silt fence placement

Time: 0900, Temp 75°F, Sunny, no wind, mod → high humidity

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7/30/90 - 0908	NE of CELA	HNu	PI101	Cal = 111 ppm Isobutylene	0 ppm	Real Time
7/30/90 - 0910	NE of CELA	CGI	261	BG = 0 ppm Cal = 15% O_2, 50% LEL	20.5% O_2, 0% LEL	R.T.
7/30/90 - 0912	NE of CELA	minirum	PDM-SNS	Zero for zeroing	0.00 mg/m³	R.T.
7/30/90 - 1021	NE of CELA	HNu	PI101	Same as above	0 ppm	R.T.
7/30/90 - 1022	NE of CELA	CGI	261	Same as above	0% LEL 20.3% O_2	R.T.
7/30/90 - 1023	N.E. of CELA	miniram	PDM-SNS	Same as above	0.00 mg/m³	R.T.
7/30/91 - NR3	N.E. of CELA	miniram	PDM-SNS	Same as above	0.00 mg/m³	R.T.
7/30/90 - 1124	N.E of CELA	HNu	PI101	Same as above	0 ppm	R.T.
7/30/90 - 1125	N.E of CELA	CGI	261	Same as above	0% LEL, 20.3% O_2	R.T.
7/30/90 - 1317	NE of CELA	HNu	PI101	Same as above	0 ppm	R.T.
7/30/90 - 1319	NE of CELA	Miniram	PDM-SNS	Same as above	0.00 mg/m³	R.T.
7/30/90 - 1320	NE of CELA	CGI	261	Same as above	0% LEL, 20% O_2	R.T.
7/30/90 - 1510	NE of CELA	HNu	PI101	Same as above	0 ppm	R.T.
7/30/90 - 1513	NE of CELA	miniram	PDM-SNS	Same as above	0.11 mg/m³	R.T.
7/30/90 - 1515	NE of CELA	CGI	261	Same as above	O_2 = 20.5%, LEL = 0%	R.T.

5/6

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 30 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:50/12:45	1:09/4:53	5:24/
C-2 L. Dekker	6:50/12:45	1:09/	In Out In Out In
C-3 P. Porter	6:54/8:11	8:41/8:53	10:06/10:20 11:08/12:12 12:50/6:
C-4 A. Muellerleile	6:21	/	
C-5 C. Ettinger	6:50/12:05	12:18/2:11	2:32/5:57
C-6 F. Gontowski	/	/	
C-7 C. Chang	6:55/11:21	1:54/	
C-8 J. App	6:57/3:31	5:23/5:32	
C-9 G. Lazusky	6:57/3:31	5:23/5:32	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:40/5:29	/	
C-12 C. Mckim	6:40/5:29	/	
C-13 G. Reid	6:45/5:29	/	
C-14 N. Tracy	6:54/5:33	/	
C-15 G. Maichele	6:54/8:53	10:06/12:00	12:14/5:33
C-16 S. Hunt	6:54/9:27	10:27/3:46	4:41/4:53 5:24/5:33
C-17 P. Smith	6:45/12:00	12:14/5:29	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:38/10:51	11:18/	
E-2 T. Granger	/	/	
E-3 S. Stiles	11:18/3:26	3:42	
E-4 C. Swann	6:50/8:58	10:03/11:11	12:54/1:48 4:29/
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:40/11:45	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	9:17/9:21	/	
S-2 A. Palmer	11:50/11:51	2:30/2:31	
S-3 Jerry Palmer	6:00/12:02	/	
S-4 T. Cobb	1:54/6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 30 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
NORM VIRGENMAN JR.	8:43/9:09		Ungerman Gravel P.A.
Ken BARRETT	9:09/9:13		job applicant
Dennis Pangburn	10:35/10:40		job applicant
UPS	10:49/10:51		piece delivery
Rick Scutt	11:15/11:30		Sheets O.I.Co
MARVIN NEFF	12:37/5:12		Beckwith Machinery Co
Fed Ex	1[illegible]:57/1:59		4pc delivery
visitor on end of road with car	2:52/2:53		Just looking
Dean Telegraph Store	4:00/5:00		looking at Elmira Corning phones
UPS.	4:20/4:21		3pc. pickup

D Dekker
L. Dekker
C. Chang
G. Stiles
S. Stiles
C Swan
A. Muellerleile

All still working

11/15

PROJECT ENTRY PERMIT

DATE: 7-31-90 TIME IN: 11:30 Am TIME OUT: 7:50 PM

NAME: Sue Stiles

COMPANY: EBASCO

BADGE No: E-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-31-90 TIME IN: 6:35 AM TIME OUT: 7:50 PM

NAME: Gary C Stiles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-30-90 TIME IN: _____ TIME OUT: 7 pm

NAME: Dave Dekker

COMPANY: Canonie

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7.30.90 TIME IN: 6:20 PM TIME OUT: 7:10PM

NAME: A. MUELLENHELD

COMPANY: CANONIE

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-30-90 TIME IN: _____ TIME OUT: 7:05PM

NAME: CHIA CHANG

COMPANY: CANONIE

BADGE No: C-7

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-30-90 TIME IN: _____ TIME OUT: 7pm

NAME: LAVONNE DEKKER

COMPANY: CANONIE

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7/30/90 TIME IN: _____ TIME OUT: 2000+/-

NAME: CAL SWAN

COMPANY: EBASCO

BADGE No: E-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: July 30, 1990

Work Performed	No. Hours	Misc. Information
Cross sectioning and Limit of clearing Staking.	10	2 man Crew
	Total	
	10	Signatuer of responsible part

Craig R Canaat

15/15

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 29, 1990

4:10p.m. - While checking the project, I found the gate from Otis-Eastern was open. I noticed tracks that looked like motorcycle or ATV, had come through. I also found these tracks at both ends of the dike fdn. area.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 28, 1990

Arrived at 6:50a.m.

Plan of Day
- °Continue clearing
- °Set up decon for equipment
- °Surveyors will cross section dike fdn. area

Dave asked how long we had to continue the air monitors and level D-PPE. I told him I would consider reducing the suspect area as we start grubbing. If the air monitoring reveals no readings of concern, we can start reducing the areas requiring PPE.

Went to the dike fdn. area, and staked the toe of the CELA from the N.Y. dike to the north access road onto CELA.

Chie came in concerned about the NYDOT control pts. on RT 19-(51 & 52). He is going to write me a letter, requesting verification of their accuracy. I told him I had to accept them as good. He thinks we should have a licensed surveyor confirm that.

Dave told me at 3:00p.m. the men want to go home early due to the hot weather. I told him I did not have a problem with that.

Dave told me they think they will have the results from their clay pit run early next week. I asked him if he had the certification on his compaction test equipment. He will look into that next week.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/28/90 DAY: Saturday HRS.WRK. 8 hrs REPORT NO. 33

WEATHER INFORMATION:

TEMPATURE: High 98 Low 60 WIND: Mph. - Dir. —

PRECIPITATION: None HUMIDITY: Hazy RIVER EL: AM 4.55 PM —

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I 1 R.E. 1

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP ____ P.M. ____

" ____ P./Sec 1

" ____ HOP ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. App Surveyors

" SUPV. 1 EMPS. 1

USCOE/EPA ____ " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS ____

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 3

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	8			
" 963	8			
" D-6		Stand by		
½ ton pick up	8			
" 12G		Stand by		
815 Compactor		Stand-by		
Smooth Compactor		Stand-by		
Chipper	8			
ACPR		Stand-by		
Water truck		Stand-by		
Steam Gizzy		Stand-by		
Other				

PAGE: 1 OF ____

MEETINGS:

PLAN OF DAY Continue Clearing, stock cross-sectioning
West Dike Clearing area

SAFETY Small crew Remember buddy system

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Item # 401 (clear just back clear areas)
Continue Clearing and chipping on West Bank
install silt fence as we progress
ITEM # 203 (Constr. Survey Control)
Cross-sectional Sta 9+50 - Sta 2+00

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE	0.5	KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Start Cross-sectioning West Bank (LOC)

QA/QC ACTIVITIES: NA

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	6	48
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	8:30	N CR2	HNU	RT	0.0 ppm
2			CGE	RT	20.9 O2 0.0 LEL
			minim	RT	0.00 mg/m3
3	9:00	S. end Nit Pile	HNU	RT	0.5 ppm
4			CGE	RT	20.5 O2 0.0 LEL
			minim	RT	0.00 mg/m3
5	9:15	Stn 10+70	HNU	RT	0.0 ppm
6			CGE	RT	20.5 O2 0 LEL
			minim	RT	0.0 mg/m3
7	9:30	Stn 6+40	HNU	RT	0.0 ppm
8			CGE	RT	20.8 O2 0.0 LEL
			minim	RT	0.00 mg/m3
9	13:00	N. CR2	HNU	RT	0.0 ppm
10	13:15	Stn 3+50	HNU	RT	0.0 ppm
	13:20	Stn 6+40	HNU	RT	0.0 ppm
		Stn 6+00 Near CELL A	HNU	RT	0.5 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	9:45	N. CELL	6 / chipper, loader, truck bar	Level D	none
2	14:00	N. CELL	6 / chipper, loader	Level D	none
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No problems or incidents today

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7/28/20

Equipment: HNU, miniram, CGE

Real-Time Air Monitoring Results and Work Area
monitoring activities of work area N. of CELL and E. of CELL
No levels above background noted

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment
100 ppm isobutylene for HNU
2.5 span for zeroing miniram
15% O_2 50% LEL for CGI

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7/28/90

Work Areas Checked:

N. of CELA
E. of CELA
) Work areas

Employees Present in Work Areas:

Pete Baker, Dave Ashton, Clint McKim, Bob McKim, Gail Reed

Equipment Being Utilized:

Track hoe
chainsaws
chipper
loader
pick up

PPE Being Utilized:

Level D - Tyvek, gloves (inner/outer) hard hat
safety glasses, Ear plugs, steel toe boots (rubber, Neoprene)

Accidents/Breeches of Procedures:

None

Weather - 65
- 90

Hot, Humid No Wind

Morning fog

R.T. - Real Time

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Day/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7/18/90	N. CRZ next to SLA	HNU	PI 101	Cal 100ppm Isobutylene Bg = 0ppm	0ppm	RT
8:30		CGE	SA0615	15% O_2 50% LEL	20.9 O_2 0 LEL	RT
		Miniram	2 bag for zeroing	10m3	0.00 mg/m3	RT
9:00	South end of N. Pit	HNU	same as above ~~same~~		0ppm	RT
		CGE	same as above ~~same~~		20.5 O_2 0 LEL	RT
		Miniram	same as above ~~same~~		0.00 mg/m3	RT
9:15	Sta. 10+70	HNU	Same as above		0.0ppm	RT
		CGE	Same as above		20.5 O_2 0 LEL	RT
		Miniram	Same as above		0.0 mg/m3	RT
9:30	Sta 6+40	HNU	Same as above		0.0ppm	RT
		CGE	Same as above		20.5 O_2 0 LEL	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 28 JUL 90

No./Name	Time In/Out	Time In/Out	Remarks IN/OUT
C-1 D. Dekker	6:55/11:00	16:25 11:40	12:20/4:35
C-2 L. Dekker	6:55/9:31	10:00/11:40	12:20/4:35
C-3 P. Porter	6:30/12:00	12:25/3:40	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	7:10/3:40	/	
C-8 J. App	6:53/3:47	/	
C-9 G. Lazusky	6:53/3:47	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:35/3:41	/	
C-12 C. Mckim	6:40/3:41	/	
C-13 G. Reid	6:45/3:40	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	/	/	
C-16 S. Hunt	/	/	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:50/12:06	1:25/	
E-2 T. Granger	/	/	
E-3 S. Stiles	1:25/	/	
E-4 C. SWAN	7:00/12:23	1:20/3:40	4:45/
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	5:45/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 28 July 1990

No./Name	Time In/Out	Time In/Out	Remarks

PROJECT ENTRY PERMIT

DATE: 7-29-90 TIME IN: 2:35 pm TIME OUT: 7:52 pm

NAME: Gary L Styles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-28-90 TIME IN: 6:45 am TIME OUT: 6:20 pm

NAME: Gary L Styles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-29-90 TIME IN: 2:40 Pm. TIME OUT: 6:15 Pm

NAME: David Dedrick

COMPANY: Dames & Moore

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-29-90 TIME IN: 2:40 Pm TIME OUT: 6:15 Pm

NAME: Lawrence Dedrick

COMPANY: Canonie

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7/29/90 TIME IN: 12:45 TIME OUT: 5:15

NAME: Pete Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 28, 1990

Work Performed	No. Hours	Misc. Information
LEVEL CROSS SECTIONS ON ORIGINAL GROUND STA 5+50 - 9+00	8	2 MAN
	Total	
	8	

Signatuer of responsible part

Earl Appel

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending:

Non-Use or Mis-Use of PPE

Level D Modified PPE still being used.
hearing protection was not utilized by personnel (Mr. B. McKim
Mr. Clint McKim) while operating the Chipper
on 7-24-90

Non-Use or Mis-Use of Buddy System

Surveyer George Lazovsky was by himself
on 7-25-90 for an unknown period of time

Site Procedure Violations

None - other than above

Job-Related Illness or Injuries

None

Weather Data

Temp range from 50°—85°F
wind - varying
morning Fog — Rain early Monday — dry otherwise

Air Monitoring Summary

All levels were at Background (or normal)
on HNu, Miniram, and CGI

9/15

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-25-90

Equipment: HNu, Miniram, CGI

Real-Time Air Monitoring Results and Work Area
All levels were at background or normal airborne concentrations

HNu = 0.5 ppm Miniram = 0.00 mg/m³ CGI = Normal O_2 ≈ 20-8%
BG = 0.5 ppm 0 % LEL

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

111 ppm Isobutylene - for HNu

Z-bag for zeroing - for the Miniram

15 % O_2, 50 % LEL - for CGI

10/15

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-25-90

Work Areas Checked: Support Zone
N.E of CELA work zone
wash trailer

Employees Present in Work Areas: Kurt Ettinger, Norm Trey, Bob McKim, Clint McKim, Grant Macchelie, Scott Hunt, Gail Reid, Phil Smith, Dave Dekker, Pete Porter, [redacted] George Lazowsky, Jon App, Craig Carro

Equipment Being Utilized:

Track hoe chainsaw
Chipper
loader
pick up

PPE Being Utilized:

modified D - Tyvex, gloves, steel toe (rubber, neoprene)
safety glasses, earplugs, hard hat

Accidents/Breeches of Procedures:

[redacted] Surveyer George Lazowsky working alone in field for an unknown amount of time

11/15

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 25, Jul, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:50/	/	
C-2 L. Dekker	6:50 /	/	
C-3 P. Porter	6:38 19:35	12:47/1:01	1:25/
C-4 A. Muellerleile	7:15 /10:00	10:22	
C-5 C. Ettinger	6:55 /12:27	1:06 / 5:42	
C-6 F. Gontowski	/	/	
C-7 C. Chang	7:02 / 1:20	1:49 /	
C-8 J. App	6:50 / 1:30	1:38 / 3:46 X 5:22 / 5:45	
C-9 G. Lazusky	6:50 / 1:30	1:38 / 5:45	
C-10 C. Carrow	6:50 /11:40	12:41/ ~~3:45~~ 3:46 X 5:22 / 5:45	
C-11 B. Mckim	6:38 / 5:28	/	
C-12 C. Mckim	6:38 / 5:28	/	
C-13 G. Reid	6:43 / 5:28	/	
C-14 N. Tracy	6:55 / 5:28	/	
C-15 G. Maichele	6:55 18:30	9:20 19:35	12:47/ 5:28
C-16 S. Hunt	6:55 / 1:40	2:03/ 5:28	
C-17 P. Smith	6:38 / 5:28	/	
C-18 R. Perkins	6:50 /11:10	11:28/12:27	1:06/ 5:42
C-19 ~~H. Klaz~~	/	/	
C-20	/	/	
E-1 G. Stiles	6:55 / 12:15	12:56 6:02	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:56 / 4:51	5:33/ 6:02	
E-4 C. Swann	7:09 19:35	11:00 / 4:52	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:39 /11:30	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	1:43 /11:46	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 /	/	
S-4 T. Cobb	1:58 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

12/15

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 25, July 1996

No./Name	Time In/Out	Time In/Out	Remarks
Todd Baker	8:58/8:59		
UPS	10:35/10:40		1 delivery
Howie Klice	11:20/11:45		Abbott Welding Supply
Rick Scutt	11:41/12:09		Sheets O.I Co
Tom Barnett C-20	11:41/12:11		Allegany Co. Fire Serv.
Charlie Joyce	12:35/12:36		Otis Eastern Services
Scott Bell C-19	1:05/1:27		Olean Telephone Store
Fed Express	2:15/2:19		1pc delivery / 2pc pickup
Alan Fox	2:16/2:17		pickup check
DHL world wide delivery	3:12/3:13		1pc delivery
UPS	4:10/4:18		16 pc pickup
D. Dekker L. Dekker P. Porter A. Muehlerleitz C. Chang	All still working		

13/15

PROJECT ENTRY PERMIT

DATE: 7-25-90 TIME IN: 6:50 AM TIME OUT: 7:35 PM

NAME: Dave Dekker

COMPANY: Canonie Environmental

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

Last to leave site. Gates checked. Everything OK

PROJECT ENTRY PERMIT

DATE: 7-25-90 TIME IN: 6:50 AM TIME OUT: 7:35 PM

NAME: LaVerne Dekker

COMPANY: Canonie Environmental

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7.25.90 TIME IN: 7:00 am TIME OUT: 6:55 pm

NAME: A. MUELLER

COMPANY: CANONIE

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7/25/90 TIME IN: 6:38 am TIME OUT: 6:55 pm

NAME: Peter Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-25-90 TIME IN: 7:00 AM TIME OUT: 7:05 PM

NAME: CHIA CHANG

COMPANY: CANONIE

BADGE No: C-7

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 24, 1990

Arrived at 6:45a.m.

Plan of Day:
- °Silt fence at north end
- °Pickup steam jenny
- °Demarcation fence will be in, start installation around SLA & CELA
- °Set up dirty path, clean road to support zone

Dave D. discussed location of silt fence and layout dike fdn. I don't think the layout stakes are in the right location. He said, "they were set at 50' off center per drwg. C-02. We looked at this drwg., and the 50' each side c/l is for only the location shown on the drwg., not the entire dike. I showed him,on the dike layout, how far the dike ran. He will relay out limits.

Cal and Pete went (10:00a.m.) to take samples at Babbit pit.

Alan came in with details of culvert layout, missing dike c/L by 4'0". Culvert is at ground level on U/S side, but 2'/2' above ground D/s side. Culvert sticks out of dike 32' D/s side and 19' u/s side. Culvert hit bottem toe of main dike south of tie in. I will look at layout and talk with engineering.

Called Tom about rip rap letter from Canonie. He had received it, and was in the process of responding. I will let Dave know it is not going to be acceptable to submit a claim for additional cost of rip rap.
I talked with Dave about rip rap and what they intended to do. He said, "Joe and Corp. was not going to do anything until they got a response from Tom on letter." They see this as an extra. I told him we wouldn't even consider, or take this to ARCO, for they had been told, in writing at least two times, what test was required prior to award of contract. One time April 19, 1990 and again May 6, 1990.
Dave told me they would test other rip rap. He had found the two responses. He asked about gradation. I told him that was in the letter of July 19, 1990. I know nothing more.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/24/90 DAY: Tuesday HRS.WRK. 10hrs REPORT NO. 29

WEATHER INFORMATION:

TEMPATURE: High 87 Low 57 WIND: Mph. 0-5 Dir. NE

PRECIPITATION: None HUMIDITY: M.I - High RIVER EL: AM 4.73' PM 4.68'

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE.P.S. 1

F.E/I ____ R.E. 2

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP ____ P.M. ____

" ____ ~~HOP~~ C/SE 1

" ____ HOP ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. APP Surveyors

" SUPV. 1 EMPS. 2

USCOE/EPA 1 " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS See Security log

Weather : 7/23/90

Mon. High 74

Low 62

precipitation : 0.50"

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 7

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	8			
" 963	8			
" D-6		Stand-by		
Smith Compactor " ~~D-4~~		Stand-by		
" 12G	8			
815 Compactor		Stand-by		
Dump trk.				
chipper Others	8			
vip op. "		Stand-by		
Water Truck "		Stand-by		
Ford pickup "	8			
"				

MEETINGS:

PLAN OF DAY Begin Clearing after a section of Silt fence is installed Chip debri as you move along.

SAFETY Buddy System, Start bringing respirators with us.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Item 401, 203, 201
#401 (Clear West bank Clear Areas)
Started Clearing & Chipping debri on West bank clear areas. Installed Silt Fence as we worked

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		•		
TOE TRENCH EXCAV.			•		
CLEAN MATRL.	CY		•		
WASTE MATRL.	CY		•		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	1200 gal	No	
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
•				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

20. (Stake Boundaries of Work AREAS)
Restake Limit of Clearing (LOC) for West Dark Construction
203 (Construction Survey Control)
Control Recovery & Control Traverse Work

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS All Geotechnical and Chemical Sampling was done according to the Plans and Cal Swan's directions. All Sampling was documented on the Sampling log.

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS	Attach report required by Contract Document					

COMMENTS Sampled Ba 66.1 P.t (Alternate embankment P.t) completed both Chemical & Geotechnical Sampling Cal Swan was Ebasco's observer.

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod	~~7~~ 4	70 ~~84~~
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
	0830	N End of CELA	HNU	Real time	0.5 ppm
1	0834	N.E End of CELA	HNU	R.T.	0.5 ppm
	0934	E End of CELA	HNU	R.T.	0.5 ppm
2	0947	S.E End of CELA	HNU	R.T.	0.5 ppm
	0950	N. End of SLA	HNU	R.T.	0.5 ppm
3	0958	W. End of SLA	HNU	R.T.	0.5 ppm
	1000	E End of SLA	HNU	R.T.	0.5 ppm
4	1015	W End of CELA	HNU	R.T.	0.5 ppm
	1600	N.E CELA	HNU	R.T.	0.5 ppm
5	1608	N.E CELA	HNU	R.T.	0.5 ppm
6	1612	N.E CELA	HNU	R.T	0.5 ppm
7	1621	N.E CELA	HNU	R.T.	0.5 ppm
8	1630	N.E CELA	HNU	R.T.	0.5 ppm
9	1647	N.E CELA	HNU	RT	0.5 ppm
10	1700	N.E CELA	HNU	RT	0.5 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0840	N. End of CELA	6 - loader, chipper, Truck, backhoe, dozer	D-Modified	
2	1635	N.E CELA	7 - loader, chipper, Truck, backhoe, dozer	D-Modified	
3				Hearing protection needed for chain-sawing and chipping	
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: —

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORTS
July 27, 1990

Arrived at 6:45a.m.

Plan of Day Meeting
- °Continue Clearing
- °Continue placing haybales
- °Continue erecting demarcation fences

Dave asked about running fuel truck to north end to fuel equipment. I told him, as long as they stay on the clean road and the driver stays at his truck and off of equipment.

Dave asked if they could construct a pad across the water hole. I told h im I would look at it and let him know.

Dave told me Canonie allows their people to return home every two weeks, and he has set up a schedule that two will go every weekend. If he needs more people to man job, he will get them.

Received survey information from Doug Myers. I gave this to John App. He is to get back with me when he has reviewed it.

Ted Myers, Jim Tuk and Jim Feron, of the NYDEC, were on site today. They visited with Stubby for one-half hour, and then visited with me. There questions were: Status of Project, submittal approval, materials and work? Schedule of activities? "Is it not running late?" H&S requirements, erosion protection, and what we are doing with it?

I responded to all their questions, and explained the progress that has been made to date. Ted asked about east dike. I told him it was to be constructed per present design. He mentioned new survey and that it shows serious erosion. I told him that was a fact, and that was being evaluated at this time, but has not changed anything to date. He asked if SLA was scheduled for work this year. I told him it was not in Canonie's contract, but was being considered. He asked if it would be put on CELA. I said yes, possibly as a test pile to determine stability of CELA. He said he had heard that. I explained how we had the area divided into clean haul roads and dirty areas, And, the rules that were in place. They thought that was a good program. I took them in the van on the clean roads to look at activities. They stated that everything looked good.

Talked with Jon Appabout survey difference. He doesn't see any big difference. But, is finding an 8½ft.bust in some

areas. Will try to work this out. He will let me know if he needs Douglas Myers to assist.

It was another hot and humid day. The men had to take breaks about every 1½hrs.

Cal went to the liabrary to get weather data, and see what information is available to the public.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/27/90 DAY: Friday HRS.WRK. 10hrs REPORT NO. 32

WEATHER INFORMATION:

TEMPATURE: High 96 Low 56 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: High RIVER EL: AM 4.52' PM —

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I 1 R.E. 2

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP ____ P.M. ____

" ____ P./sec 1

" ____ HOP ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. APP Surveying

" SUPV. 1 EMPS. 1

USCOE/EPA 1 " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS See Security log Attached

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 7

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6		Stand-by		
¾ to. pick-up	10			
" 12G		Stand-by		
815 Compactor		Stand-by		
Smooth Compactor		Stand-by		
Chipper	10			
ACPR		Stand-by		
Water Truck		Stand-by		
Steam Genny		Stand-by		
other				

PAGE: 1 OF ____

MEETINGS:

PLAN OF DAY Continue Clearing West Bank within the LOC
- Chemical Sampling of General Contract Stone Co

SAFETY Small crew Buddy system breaks when needed be careful around chipper

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Item # 401 (Clear West Bank Clear Area)
- Continue Clearing & chipping West Bank (LOC)
- Install silt fence as we progress

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE	0.5	KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Control Traverse

Review in ref. to Myers COC's

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS Sampling was done according to chemical sampling plan & Cal Sweep's directions from the previous day. Samples were then shipped Fed Ex to Caneris Stockton Lab for analysis

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Chemical sample obtained at General Crushed Stone

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	3, 2, 1	30, 16, 3
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
	1037	N.E. of CELA	HNu	Real Time	0 ppm
1	1043	N.E of CELA	Minram	R.T.	0.00 mg/m³
	1044	N.E of CELA	CGI	R.T.	0% LEL, 20.4% O₂
2	1110	N.E of CELA	HNu	R.T.	0 ppm
	1111	N.E of CELA	Minram	R.T.	0.00 mg/m³
3	1112	N.E of CELA	CGI	R.T.	0% LEL, 20.4% O₂
	1185	N.E of CELA	HNu	R.T.	0 ppm
4	1137	N.E of CELA	Minram	R.T.	0.00 mg/m³
	1185	N.E of CELA	CGI	R.T.	0% LEL, 20.5% O₂
5	1357	N.E of CELA	CGI	R.T.	0% LEL, 20.8% O₂
	1354	N.E of CELA	HNu	R.T.	0 ppm
6	1430	N.E of CELA	Minram	R.T.	0.00 mg/m³
	1457	N.E of CELA	HNu	R.T.	0 ppm
7					
8	1458	N.E of CELA	Minram	R.T.	0.00 mg/m³
9	1500	N.E of CELA	CGI	R.T.	0% LEL, 20.5% O₂
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1050	N.E of CELA	5/loader, Track Hoe, chainsaw	modified D	None
2	1445	N.E of CELA	5/Trackhoe, loader, chipper	modified D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION No problems or incidents today

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 27 July 1990

No./Name	Time In/Out	Time In/Out	Remarks IN/OUT	IN/OUT
C-1 D. Dekker	6:95/1:15	2:24/6:00	6:10/6:35	
C-2 L. Dekker	6:95/1:15	2:24/2:40	6:35	
C-3 P. Porter	6:36/9:53	10:25/6:25		
C-4 A. Muellerleile	7:00/11:05	/		
C-5 C. Ettinger	6:50/11:56	12:32/5:53		
C-6 F. Gontowski	/	/		
C-7 C. Chang	6:55/12:40	1:05/		
C-8 J. App	6:58/8:24	8:51/5:50		
C-9 G. Lazusky	6:58/8:24	8:51/5:50		
C-10 C. Carrow	/	/		
C-11 B. Mckim	6:40/5:41	/		
C-12 C. Mckim	6:40/5:41	/		
C-13 G. Reid	6:40/5:41	/		
C-14 N. Tracy	6:50/11:54	12:05/3:35		
C-15 G. Maichele	/	/		
C-16 S. Hunt	/	/		
C-17 P. Smith	6:43/8:00	8:15/4:40		
C-18	/	/		
C-19	/	/		
C-20	/	/		
				3 20/:3:
E-1 G. Stiles	6:45/10:16	10:55/3:30	4:00/4:30	4:47/4:48
E-2 T. Granger	/	/		
E-3 S. Stiles	10:55/5:32	/		
E-4 C. Swann	7:04/10:05	1:12/[redacted]:55	2:05	2:10PM/12:28 6:05
E-5	/	/		
A-1	/	/		
A-2	/	/		
A-4	/	/		
C/E-1 D. Stubbs	9:55/12:58	/		
C/E-2	/	/		
C/E-3	/	/		
C/E-4	/	/		
S-1 Jon Palmer	/	/		
S-2 A. Palmer	/	/		
S-3 Jerry Palmer	5:50/1:55	4:40/4:45	5:24	
S-4 T. Cobb	/	/		
S-5 A. Fox	1:45/	/		
S-6	/	/		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 27 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
Rick Scutt	8:50/9:15		Shorts Oil Co
UPS	10:05/10:10		3 piece delivery
Jim Feron C/E-2	10:05/12:05		DEC
Jim Tuk C/E-3	10:05/12:05		DEC
Gene Nye 347.2	10:55/10:57		
Ted Myers C/E-4	11:00/12:05		DEC
KEN SCUBA ~~SDF~~	2:30/3:15		SITE CONTRACTOR
UPS	4:05/4:07		DELIVERY

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-27-90

Work Areas Checked: N.E. of CELA work area

Employees Present in Work Areas: Kurt Ettinger, Phil Smith, Bob McKim, Gail Reid, Clint McKim, Norman Tracy

Equipment Being Utilized: Truck/loader, chipper, chainsaw

PPE Being Utilized: Modified - D

Tyvek, hard hat, steel Toe boots/rubber, neoprene), gloves (Nitrile/cotton) — Safety glass & Ear plugs were needed — chaps for chainsawing

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-27-90

Equipment: HNu, Miniram, CGI

Real-Time Air Monitoring Results and Work Area

No levels above normal/background found on the HNu, miniram, or CGI. - Work area was NE of the CELA (Tree Clearing)

— No levels —

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu - 11/ppm Isobutylene

Miniram - Z - bag for zeroing

CGI - 15% O_2, 50% LEL

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 27, 1990

Work Performed	No. Houre	Misc. Information
CONTROL TRAVERSE REVIEW IN REF TO MYERS COOR'S	10	2 MAN
	Total	
	10	Signatuer of responsible part

Activities: Clearing trees with chainsaw, ..r fence placement, Chipping - N.E. of CELA

Time: 1030, Temp ≈ 78°F, sunny, slight west wind
Time · 1350, Temp ≈ 84°F, Sunny, slight NE wind, moderate humidity

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7/27/90 - 1037	N.E. of CELA	HNu	PI101	Cal = 111 ppm Isobutylene		
7/27/90 - 1043	N.E. of CELA	Miniram	PDM-SNS	BG = 0 ppm	— 0 ppm	Real Time
7/27/90 - 1044	N.E of CELA	CGI	261	Bag for zeroing	— 0.00 mg/m³	R.T.
7/27/90 - 1110	N.E_of CELA	HNu	PI101	— 15% O_2, 50% LEL	— 0% LEL, 20.4% O_2	R.T.
7/27/90 - 1111	N.E of CELA	Miniram	PDM-SNS	Same as above	— 0 ppm	R.T.
7/27/90 - 1112	N.E of CELA	CGI	261	Same as above	— 0.00 mg/m³	R.T.
7/27/90 - 1135	N.E of CELA	HNu	PI101	Same as above	— 0% LEL, 20% O_2	R.T.
7/27/90 - 1137	N.E of CELA	Miniram	PDM-SNS	Same as above	— 0 ppm	R.T.
7/27/90 - 1138	N.E of CELA	CGI	261	Same as above	— 0.00 mg/m³	R.T.
7/27/90 - 1357	N.E of CELA	CGI	261	Same as above	— 20.5% O_2, 0% LEL	R.T.
7/27/90 - 1359	N.E. of CELA	HNu	PI101	Same as above	— 20.8% O_2, 0% LEL	R.T.
7/27/90 - 1400	N.E of CELA	Miniram	PDM-SNS	Same as above	— 0 ppm	R.T.
7/27/90 - 1457	N.E of CELA	HNu	PI101	Same as above	— 0.00 mg/m³	R.T.
7/27/90 - 1458	N.E of CELA	Miniram	PDM-SNS	Same as above	— 0 ppm	R.T.
7/27/90 - 1500	N.E of CELA	CGI	261	Same as above	— 0.00 mg/m³	R.T.
					— 20.3% O_2, 0% LEL	R.T.

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: JULY 27, 1990

Work Performed	No. Hours	Misc. Information
CONTROL TRAVERSE REVIEW IN REF TO MYERS COOR'S	10	2 MAN
	Total	
	10	Signatuer of responsible part

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 26, 1990

Arrived at 6:25a.m.

Plan of day Meeting
- °Unload hay bales
- °Continue clearing
- °Set up demarcation line around CELA
- °Layout dirty / clean haul road markers

Chia wanted to know what test method they were to use for rip rap testing. I told him to use instructions given in letter of July 19, 1990. He said that was not clear as to how lab was to perform test, or how they were to take sample (size of stone).

Doug Meyers called. He did not use N/DOT pts. He will send me complete package of his work after John has reviewed. Then we can call him. He found errors in NYDOT pts. (7) of 15' to 20'.

Neil and Roger called. The mound was investigated, with samples taken. No contaminates were found. It is made up of surface material from the road on the riverside of the CELA.

Cal and Pete went to take samples at rip rap quarries (three) near Buffalo.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/26/90 DAY: Thursday HRS.WRK. 10 hrs REPORT NO. 31

WEATHER INFORMATION:

TEMPATURE: High 91 Low 53 WIND: Mph. — Dir. —

PRECIPITATION: None HUMIDITY: High RIVER EL: AM 4.57 PM 4.55

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

Weather: Wednesday 7/25/90
High: 86
Low: 59
Precipitation: None

F.E/I ____ R.E. 2
H&SO ____ P.E. 1
C/SE ____ QCM ____
P.M. ____ H&SO 1
HOP ____ P.M. ____
" ____ C/Sec 1
" ____ HOP ____
ARCO P.M. ____ " ____
OTHERS ____ CANONIE SUB. App Surveyors
" SUPV. ____ EMPS. ____
USCOE/EPA 1 " SUB. ____
" ____ SUPV. ____ EMPS. ____
VISTORS See Security Log Attached

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 7
Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6		Stand-By		
½ ton pick up	10			
" 12G		Stand-By		
815 Compactor		Stand-By		
Chipper	10			
Smooth Compactor		Stand-By		
A CPR		Stand-By		
Water Truck		Stand-By		
Other				
"				

MEETINGS:

PLAN OF DAY Continue clearing and chipping area along West Dike. Continue Staking out SLA Pick up Steam Geary, Sample Gravel Large Stone & and General Crushed stone.

SAFETY Buddy system. Breaks when needed. When in water Wear life Jackets & hip waders.

SCHEDULED Weekly meeting Minutes to be Submitted within 3 days.

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 401 (Clear West bank clear AREAS)
- Continue clearing and chipping trees with in the (LOC) on the west Dike. Install silt Fences as we progress. Approval For Dike access backwash Re installation of silt Fences by Gary Stiles.

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER Equipment ARRIVAL: Steam Geary

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE	0.5	KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. 250 bails of Hay			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Office Comps & Mapping

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS All sampling (Geotechnical and Chemical) was done according to the Sampling Plans and Cal Sweets (Ebasco) directions.

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Sampled (Geotechnical & Chemical) Genesee Lucy Stone Co. and sampled (Geotechnical) General Crushed Stone Co. Will return to aquire Chemical samples for GCS on Friday 7/27/90.

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod	6, 2	70, 4
"D"		
"C"		
"B"		
QTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
	0954	N.E of CELA	HNU	Real Time	0.5 ppm
1	0956	N E of CELA	Miniram	R.T.	0.00 mg/m³
	0957	N.E of CELA	CGI	R.T.	20.1% O₂, 0% LEL
2	1028	N.E of CELA	HNU	R.T.	0.5 ppm
	1029	N.E of CELA	Miniram	R.T.	0.00 mg/m³
3	1030	N.E of CELA	CGI	R.T.	20.2% O₂, 0% LEL
	1315	N E of CELA	HNU	R.T	0.5 ppm
4	1318	N E of CELA	Miniram	R.T.	0.00 mg/m³
	1320	N.E of CELA	CGI	R.T.	20.2% O₂, 0% LEL
5	1400	N.E of CELA	HNU	R.T.	0.5 ppm
	1401	N.E of CELA	Miniram	R.T.	0.00 mg/m³
6	1401	N.E. of CELA	CGI	R.T.	20.0% O₂, 0% LEL
	1602	N E of CELA	HNU	R.T.	0.5 ppm
7	1602	N.E of CELA	Miniram	R.T.	0.00 mg/m³
8	1603	N E of CELA	CGI	R.T.	20.1% O₂, 0% LEL
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1000	N.E of CELA	6/ loader, Tractor, chipper	Level D mod.	Fit-None
2	1530	N.E of CELA	5/ Tractor, chipper, loader	Level D mod.	Fit - None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No accidents or incidents to report 26 July 1993

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-26-90

Equipment: HNu, Minirum, CGI (201)

Real-Time Air Monitoring Results and Work Area
Monitoring of activities N.E. of the CELA continued with no levels above normal/background readings on the HNu, minirum, or CGI.

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment
111ppm Isobutylene for HNu
2-bag for zeroing - for minirum
15% O_2, 50% LEL for CGI (#201)

7/15

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-26-90

Work Areas Checked:
N.E CELA work area

Employees Present in Work Areas: Clint McKim, Bob McKim, Norm Tracy, Phil Smith, Gail Reid, Kurt Ettinger, Scott Hunt, Dave Rekker

Equipment Being Utilized: Truck hoe pick-up
Chipper
chainsaw
loader
dozer

PPE Being Utilized:
Modified level D - Tyvek, gloves, hard hat, steel toe boots (rubber recipes) Earplugs & safety glasses where needed

Accidents/Breeches of Procedures:
None

8/15

Activities: Chipping, Chainsawing, skidding, silt fence placement

9/15

Time 0930, Temp 65°F, Wind-calm, Sunny
Time 1510, Temp 82°F, wind NE, Sunny

(N.E of CELA clearing Trees)

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7/26/90-0954	N.E-CELA	HNu	PI101	Cal=111 ppm Isobutylene		
7/26/90-0956	N.E CELA	Miniram	PDM-5N5	BG=0.5 ppm	— 0.5 ppm	Real Time
7/26/90-0957	N.E. CELA	CGI	261	Z-bag for zeroing cal=15% O_2 50% LEL	— 0.00 mg/m³ 20.3% O_2 0% LEL	R.T.
7/26/90-1028	N.E. CELA	HNu	PI101	same as above	— 0.5 ppm	R.T.
7/26/90-1029	N.E. CELA	Miniram	PDM-5N5	Same as above	— 0.00 mg/m³	R.T.
7/26/90-1030	N.E CELA	CGI	261	same as above	20.2% O_2 0% LEL	R.T.
7/26/90-1315	N.E CELA	HNu	PI101	Same as above	— 0.5 ppm	R.T.
7/26/90-1318	N.E CELA	Miniram	PDM-5N5	same as above	— 0.00 mg/m³	R.T.
7/26/90-1320	N.E CELA	CGI	261	Same as above	20.2% O_2 0% LEL	R.T.
7/26/90-1400	N.E CELA	HNu	PI101	Same as above	— 0.5 ppm	R.T.
7/26/90-1401	N.E. CELA	CGI	261	Same as above	20.0% O_2 0% LEL	R.T.
7/26/90-1402	N.E CELA	Miniram	PDM-5N5	Same as above	— 0.00 mg/m³	R.T.
7/26/90-1602	N.E CELA	HNu	PI101	Same as above	— 0.5 ppm	R.T.
7/26/90-1603	N.E CELA	Miniram	PDM-5N5	Same as above	— 0.00 mg/m³	R.T.
7/26/90-1604	N.E CELA	CGI	261	Same as above	20.1% O_2 0% LEL	R.T.

John App
Licensed Surve

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 26, 1990

Work Performed	No. Hours	Misc. Information
OFFICE COMPS & MAPPING	10	1 MAN
OFFICE COMPS & MAPPING	7	1 MAN
	Total	
	10 [redacted]	Signatuer of responsible part
	7 [redacted]	[signature] 10/15

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 25, 1990

Work Performed	No. Hours	Misc. Information
CONTROL TRAVERSE WORK	10	3 MAN CREW
	Total	
	10	Signatuer of responsible part George [illegible]

11/15

PROJECT ENTRY PERMIT

DATE: 7-26-90 TIME IN: 6:30 AM TIME OUT: 7:57 pm

NAME: Gary L Stiles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-26-90 TIME IN: _____ TIME OUT: 7:57 pm

NAME: Sue Stiles

COMPANY: Ebasco

BADGE No: E-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT 7:10

DATE: 7-26-90 TIME IN: _____ TIME OUT: ~~6:40~~

NAME: DAVE DEKKER

COMPANY: CANONIE

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 1/26-90 TIME IN: 7:10 TIME OUT: ~~6:40~~

NAME: LaJonne Dekker

COMPANY: Canonie

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7/26/90 TIME IN: 7:00 TIME OUT: 6:35

NAME: A Mueller/Leila

COMPANY: Canonie

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7/26/90 TIME IN: 7:00 TIME OUT: 6:35

NAME: Chia Chang

COMPANY: Canonie

BADGE No: C-7

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 25, 1990

Arrived at 6:49a.m. "Foggy"

Plan of Day:
- °Continue clearing of west dike fdn.
- °Keep erecting silt fence as areas are cleared
- °Set up eye wash/emergency shower
- °Set up steam jenny

Dave came at 9:30a.m. for Cal to go witness test at Baker pit.
Doran Stubbs wants four copies of Daily Reports and meeting notes, also submittals.
Chia came over and told me they are not going with Blades or sandstone for rip rap. They are going after other sources. Going to cost them lots more money, but that is their problem. I discussed my concern with their surveyor, he will look into it.

Tom Barnnet, Allegheny Haz. Mat. Coord., visited today. Wants meeting to discuss site activities. The concerns of local emergency personnel are: (a) Would an injured person be contaminated when picked up by emergency med. people? If so, what type and level of contaminate? (b) How would the emergency people be communicated with? - Designated person at site? - Routing of response vehicles? - Communications with hospital? (c) What type of contaminates are present that would fuel a fire? And, what would the fume releases be? (d) Local emergency group needs to incorperate the site activities, and possible accidents, into their emergency contingency plan and local disaster preparedness program. Meeting attendees would be the same as the ones that attended the meeting held per CFR.29.

Discussed survey concerns with Kevin F. Will talk with Tom and Niel G. to see if we can get Douglas Myers to confirm his survey work.

It was hot and humid today - heat stress was a factor.

Dave reported the discovery of a pile of dirt in the inside dike slope at Sta. 6+40.45 area. I went with him to see. It looks like waste material. I told him I would check with Neil G. In the meantime, put up flagging around it.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/25/90 DAY: Wednesday HRS.WRK. 10 REPORT NO. 30

WEATHER INFORMATION:

TEMPATURE: High _____ Low _____ WIND: Mph. 0-5 Dir. SE

PRECIPITATION: None HUMIDITY: Med-High RIVER EL: AM 04.65 PM 04.60

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I ____ R.E. 2

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP ____ P.M. ____

" ____ C/Sec 1

" ____ HOP ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. APP Surveying

" SUPV. 1 EMPS. 2

USCOE/EPA 1 " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS See Security log attached

MANUAL CANONIE. Gen. Labor ____ Equip. oper. ____

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6		Stand-by		
Chipper " ~~D-4~~	10			
" 12G	10			
Compactor		Stand-by		
½ ton pick up	10			
1 CPR Others		Stand-by		
Water truck "		Stand-by		
mouth Compactor		Stand-by		
"				
"				

MEETINGS:

PLAN OF DAY Continue Clearing and chipping area along West Dike, Do not remove trees or debr. next to CELA. Start outline SLA with orange constr. Fence

SAFETY Watch your buddy. Take breaks when needed take your respirator along.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK ITEM #401 (clear West Bank Clean Areas)
- Continue clearing and chipping trees within the (LOC) on the West Dike. Leave the trees along near the CELA for Now.
ITEM # 203 COMPLETE TRANSECT TO TP S1 & TP S2

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER Start Fencing in SLA

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE	0.5	KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

COMPLETED TRAVERSE TO TP 51 & TP 52

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS All sampling (Geotechnical and Chemical) was done according to the Sampling Plan and Col Swann's directions.

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

	Attach report required by Contract Document					

COMMENTS Sampled (Babbit & Baker Pits)

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod –	7, 1, 2, 3	70, 4, 2, 12
"D"		
"C"		
"B"		
QTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1		N.E. of CELA	(HNu, Minimay CGI)	Real time	Background/Normal levels on all reading.
2					
3		See attached Air monitoring data Sheet for times			
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0945	wash Trailer	—	—	None
2	1020	N.E. of CELA	7/Track Hoe, loader, Chipper-Modified D-		None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No accidents or Incidents to report 25, July 1990

Activities include: Tree cutting, chipping, skidding, silt fence placement

Time: 0949, Temp ≈ 73°F, clear skys, slight NW wind, low humidity

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

(North East of CELA on Rd)

Da	Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7-25-90	0958	N.E CELA	HNu	PI101	Cal= 111 ppm Isobutylene BG=0.5 ppm	0.5 ppm	Real Time
7-25-90	0959	N.E. CELA	Miniram	PDM-SNS	- cal= Z bag for ~~Blowing~~	0.00 mg/m³	R.T.
7-25-90	1000	N.E. CELA	CGI	#261	- Cal= 15% O_2, 50% LEL	20.8% O_2, 0% LEL	R.T.
7-25-90	1016	N.E CELA	HNu	PI101	same as above	0.5 ppm	R.T.
7-25-90	1017	N.E CELA	Miniram	PDM-SNS	Same as above	0.00 mg/m³	R.T.
7-25-90	1018	N.E. CELA	CGI	#261	Same as above	20.5% O_2, 0% LEL	R.T.
7-25-90	1035	N.E CELA	HNu	PI101	Same as above	0.5 ppm	R.T.
7-25-90	1037	N.E. CELA	Miniram	PI101	same as above	0.00 mg/m³	R.T.
7-25-90	1038	N.E. CELA	CGI	#261	same as above	20.4% O_2, 0% LEL	R.T.
7-25-90	1101	N.E. CELA	HNu	PI101	Same as above	0.5 ppm	R.T.
7-25-90	1102	N.E. CELA	Miniram	#PDM-SNS	Same as above	0.00 mg/m³	R.T.
7-25-90	1103	N.E. CELA	CGI	#261	same as above	20.3% O_2, 0% LEL	R.T.
7-25-90	1115	N.E CELA	HNu	PI101	Same as above	0.05 ppm	R.T.
7-25-90	1117	N.E CELA	Miniram	PDM-SNS	same as above	0.00 mg/m³	R.T.
7-25-90	1119	N.E CELA	CGI	#261	Same as above	20.5% O_2, 0% LEL	R.T.

7/15

Activities include: Tree cutting, skidding, chipping, silt fence placement

Time 1350, Temp ≈ 77°F, sunny, mod humidity NNW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7/25/90-1355	N.E of CELA	HNu	PI101	Cal = 111 ppm Isobutylene BG = 0.5 ppm		
7/25/90-1357	N.E of CELA	Miniram	PDM-SNS	2-Day for zeroing	- 0.5 ppm	Real Time
7/25/90-1359	N.E of CELA	CGI	261	Cal = 15% O_2, 50% LEL	- 0.00 mg/m³	R.T.
7/25/90-1421	N.E of CELA	HNu	PI101	Same as above	- 20.8% O_2 6% LEL	R.T.
7/25/90-1422	N.E of CELA	Miniram	PDM-SNS	Same as above	- 0.5 ppm	R.T.
7/25/90-1423	N.E. of CELA	CGI	261	Same as above	- 0.00 mg/m³	R.T.
7/25/90-1454	N.E of CELA	HNu	PI101	Same as above	- 20.8% O_2 0% LEL	R.T.
7/25/90-1456	N.E. of CELA	CGI	261	Same as above	- 0.5 ppm	R.T.
7/25/90-1457	N.E. of CELA	Miniram	PDM-SNS	Same as above	- 20.8% O_2 0% LEL	R.T.
7/25/90-1556	N.E of CELA	HNu	PI101	Same as above	0.00 mg/m³	R.T.
7/25/90-1558	N.E of CELA	Miniram	PDMSNS	Same as above	0.5 ppm	R.T.
7/25/90-1600	N.E of CELA	CGI	261	Same as above	0.00 mg/m³	R.T.
7/25/90-1631	N.E of CELA	HNu	PI101	Same as above	- 20.5% O_2 0% LEL	R.T.
7/25/90-1621	N.E of CELA	Miniram	PDMSNS	Same as above	- 0.5 ppm	R.T.
7/25/90-1634	N.E of CELA	CGI	261	Same as above	- 0.00 mg/m³	R.T.
					- 20.3% O_2 0% LEL	

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No accidents or incidents to report 24, July 1990

John App
Licensed Surv

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 24, 1990

Work Performed	No. Hours	Misc. Information
RE STAKE OF LIMIT OF CLEARING STAKES FOR WEST BANK CONSTRUCTION	10	1 MAN CREW / CANONIE LABORER
CONTROL RECOVERY & CONTROL TRAVERSE WORK	10	2 MAN CREW
	Total	
	10 HR	Signatuer of responsible part
	3 MAN CREW	George Tapp 7/16

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-24-90

Work Areas Checked: Support Zone, Wash Trailer
Clean Rds - North End of CELA

Employees Present in Work Areas: Kurt Ettinger, Norm Tracy, Bob McKim, Clint McKim, Scott Hunt, Phil Smith, Gail Reed, Grant Machelle, Dave Dekker, Gary Styles, Alan Mullendelle, Chia Chang, Pete Porter, Jon App, George Lazouski

Equipment Being Utilized:

Track hoe Loader
Dozer Chain saw
Chipper

PPE Being Utilized:

Modified D - Tyvek, Nitrile gloves, hard hat, steel toe boots (rubber or neoprene) safety glasses, Chaps for chainsaw operator

Accidents/Breeches of Procedures:

None

8/15

Perimeter Pre-Construction Monitoring

Time - 0820, Temp ≈ 62°F, cloudy, No Wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

SHNU08

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7/23/90-0830	N. End of CELA on Rd.	HNU	PI101	Cal = 111 ppm Isobutylene BG = 0.5 ppm	0.5 ppm	Readings
7/23/90-0934	N.E. End of CELA on Rd.	HNU	PI101	Same	0.5 ppm	R.T.
7/23/90-0934	E. End of CELA	HNU	PI101	Same	0.5 ppm	R.T.
7/23/90-0947	S.E End of CELA on Rd.	HNU	PI101	Same	0.5 ppm	R.T.
7/23/90-0958	N. End of SLA on Rd	HNU	PI101	same	0.5 ppm	R.T.
7/23/90-0955	S.W. End of CELA on Rd	HNU	PI101	same	0.5 ppm	R.T.
7/23/90-0958	W. End of SLA on Rd	HNU	PI101	same	0.5 ppm	R.T
7/23/90-1000	E. End of SLA on grass	HNU	PI101	Same	0.5 ppm	R.T.
7/23/90-1015	W End of CELA on Rd	HNU	PI101	Same	0.5 ppm	R.T.

1/6

Activities: Tree cutting, chipping, silt fence placement

Time 1555, Temp ≈ 80°F, wind W, pt. sunny, low humidity

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1600	N.E. of CELA (Tree cutting/skidding)	HNu	PI101	Cal = 11.1 ppm Isobutylene BG = 0.5 ppm	0.5 ppm	Real time
1608	N.E of CELA (Tree cutting)	HNu	PI101	Same	0.5 ppm	R.T.
1612	N of CELA (chipping)	HNu	PI101	Same	0.5 ppm	R.T.
1621	N.E of CELA (Tree cutting/skidding)	HNu	PI101	Same	0.5 ppm	R.T.
1630	N.E of CELA (Tree cutting/skidding)	HNu	PI101	Same	0.5 ppm	R.T.
1647	N.E of CELA (Tree cutting/skidding)	HNu	PI101	Same	0.5 ppm	R.T.
1700	N.E. of CELA (silt fence placement)	HNu	PI101	Same	0.5 ppm	R.T.

9/1/01

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-24-90

Equipment: HNu

Real-Time Air Monitoring Results and Work Area

N.E. CELA monitoring of Chainsawing, skidding, and chipping operations revealed b.g. levels (0.5 ppm) on HNu.
Am perimeter monitoring of exclusion zones also revealed no levels above bg of 0.5 ppm on HNu.

Personnel Sampling

None

Name	Date	TWA

Calibration Method for Equipment

11/ppm Isobutylene for HNu

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 24, July 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:48/12:17	12:50 /	
C-2 L. Dekker	6:48 /12:17	12:50 /	
C-3 P. Porter	6:50 /19:30	9:30 /19:32	1:02/ 6:24
C-4 A. Muellerleile	7:13 /12:08	12:28 /	
C-5 C. Ettinger	6:56 /10:22	10:50 /12:00	12:40 / 6:20
C-6 F. Gontowski	/	/	
C-7 C. Chang	6:50 /12:08	12:28 /	
C-8 J. App	6:50 18:03	9:38 /19:43	11:17/12:52 3:01 / 3:32 4:01/5:39
C-9 G. Lazusky	6:50 18:03	9:38 /19:43	11:17/12:52 3:01 / 5:39
C-10 C. Carrow	6:50 /18:03	9:38 /19:43	11:17/12:52 3:01/ 5:39
C-11 B. Mckim	6:40 / 5:26	/	
C-12 C. Mckim	6:40 / 5:26	/	
C-13 G. Reid	6:40 / 5:26	/	
C-14 N. Tracy	6:45 5:34	/	
C-15 G. Maichele	6:45 /9:30	9:30 /9:32	1:02/ 5:34
C-16 S. Hunt	6:45 /7:45	8:03 /12:35	12:58/1:05
C-17 P. Smith	6:40 / 5:26	/	
C-18 R. Perkins	6:55 /12:00	12:40 / 6:20	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:45 /11:58	12:47 /1:05	1:56/ 6:34
E-2 T. Granger	/	/	
E-3 S. Stiles	12:47 /12:4	3:16 /6:34	
E-4 C. Swann	7:09 /9:30	1:28 / 5:54	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	10:00 /1:06	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 12:00	/	
S-4 T. Cobb	1:58 / 6:36	/	
S-5 A. Fox	/	/	
S-6	/	/	

12/15

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 24, July 1990

No./Name	Time In/Out	Time In/Out	Remarks
Todd Baker	9:15/9:16		
UPS	10:08/10:10		1 piece delivery
Culligan	10:50/10:55		water deliv.
Dean's Septic Service	10:18/10:45		
Todd Baker	1:20/1:21		
Fed Express	2:08/2:09		1a delivery / 3pc pickup
Lancaster Storage Co.	2:09/3:13		
U-Haul	2:51/3:14		Storage trailer
UPS	3:45/4:14		3pc pickup
D. Dekker	Still working		
L. Dekker			
A. Mueller-Leile			
C. Chang			
C. Stiles	All left with badges		
S. Stiles			
S Hunt			

13/15

PROJECT ENTRY PERMIT

DATE: 7-24-90 TIME IN: 6:50 AM TIME OUT: 7:00 PM

NAME: CHIA CHANG

COMPANY: CANONIE

BADGE No: C-7

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-24 TIME IN: _____ TIME OUT: 7:30 PM

NAME: Dave Dickey

COMPANY: Canon

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7.25.90 TIME IN: 7:13 TIME OUT: Tion

NAME: A. MUELLER

COMPANY: CANONIC

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 1-24 TIME IN: _____ TIME OUT: 1:30 P.m.

NAME: [illegible]

COMPANY: Comm

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 23, 1990

Arrived site at 6:40a.m. It has rained for the past eighteen hours.

Plan of Day: Men will review the drawings. Read contract documents.
I asked Pete and Alan if they plan to do any sampling of barrow material today, they don't think so.

Mike Turco called. He wanted job status:
- °Issued NTP Friday, with reference to Article 18 - regarding protection of property.
- °Discussed outstanding submittals.
- °Schedule slippage
- °East Dike design and approval

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/23/90 DAY: Monday HRS.WRK. 10hrs. REPORT NO. 28

WEATHER INFORMATION:

TEMPATURE: High _____ Low _____ WIND: Mph. _____ Dir. _____

PRECIPITATION: _____ HUMIDITY: _____ RIVER EL: AM 04.73' PM 04.88'

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I _____ R.E. 1

H&SO _____ P.E. 1

C/SE _____ QCM _____

P.M. _____ H&SO 1

HOP _____ P.M. _____

" _____ P/SEC 1

" _____ HOP _____

ARCO P.M. _____ " _____

OTHERS _____ CANONIE SUB. APP Survey-3

" SUPV. 1 EMPS. 1

USCOE/EPA 1 " SUB. _____

" _____ SUPV. _____ EMPS. _____

VISTORS See Security log Sheet

MANUAL CANONIE. Gen. Labor _____ Equip. oper. 7

Truck drivers _____ Others _____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	8			
" 963		Stand-by		
" D-6		Stand-by		
Smooth Roller " ~~Dm4~~		Stand-by		
" 12G	8			
Compactor		Stand-by		
Dump trk.				
ton p.u. Others	8			
compressor "		Stand-by		
per hour chipper		Stand-by		
Water Truck "		Stand-by		
"				

MEETINGS:

PLAN OF DAY Fix drainage behind Trailers, Find riser for Septic Holding tank. General Clean up on haul roads. Hang U.S. corps Sign Review Scope of Work

SAFETY Watch footing, Take breaks when needed

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

General Clean up of Haul Roads (Any Railroad ties, pipe or debri is to be placed at the foot of the CELA)

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Level loop : Vertical control in Exclusion Zone
Comps & Field Statement on culvert for swale

QA/QC ACTIVITIES: NA

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	7	70
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1043	S.W. End of CELA	HNu	Real Time	1 ppm
2	1115	W. End of CELA on Rd.	HNu	R.T.	1 ppm
3	1118	N.W End of CELA on Rd.	HNu	R.T.	1.5 ppm
4	1121	N. End of CELA on Rd.	HNu	R.T	1 ppm
5	1123	N.E End of CELA on Rd.	HNu	R.T	2 ppm
6	1129	E End of CELA on Rd.	HNu	R.T.	1 ppm
7	1140	S.E.End of CELA on Rd.	HNu	R.T.	1 ppm
8	1322	S. End of SLA on Rd.	HNu	R.T.	0.5 ppm
	1325	N. End of SLA on Rd.	HNu	R.T.	0.5 ppm
9	1330	E. End of SLA on Rd.	HNu	R.T.	0.5 ppm
10	1340	N.E. End of CELA on Rd	HNu	R.T.	0.5 ppm

1 ppm = 30

0.5 = RL

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1100	clean Rds.	7/0	Modified D	None
2	1300	wash Trailer	0		None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OP PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

23, July 1990 - No Incidents or problems to report.

Pre-construction monitoring

Time 1030, Temp ≈ 72°F, cloudy, wind NW Rain stopped ≈ 7:30 am
high humidity from rainfall

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7/23/90 - 1043	S.W. End of CELA on Rd.	HNU	PI 101	Cal = 111 ppm Isobutylene		
7/23/90 - 1115	W. End of CELA on Rd.	HNU	PI101	BG = 1 ppm	1 ppm	Real time
7/23/90 - 1118	N.W End of CELA on Rd.	HNU	PI101	Same	1 ppm	R.T.
7/23/90 - 1121	N. End of CELA on Rd.	HNU	PI101	Same	1.5 ppm	R.T.
7/23/90 - 1123	N.E. End of CELA	HNU	PI101	Same	1 ppm	R.T.
7/23/90 - 1124	E. End of CELA	HNU	PI101	Same	2 ppm	R.T.
7/23/90 - 1140	S.E End of CELA	HNU	PI101	same	1 ppm	R.T.
7/23/90 - 1322	S End of SEA	HNU	PI101	Cal = 111 ppm Isobutylene BG = 0.5 ppm	0.5 ppm	R.T.
7/23/90 - 1325	N. End of SLA	HNU	PI101	Same	0.5 ppm	R.T.
7/23/90 - 1330	E End of SLA	HNU	PI101	Same	0.5 ppm	R.T.
7/23/90 - 1340	N.E End of CELA	HNU	PI101	Same	0.5 ppm	R.T.

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-23-90

Equipment: HNu

Real-Time Air Monitoring Results and Work Area

HNu — 1 ppm above bg. found in AM. on Northeast End of CELA in trees (on Rt. (Same location in PM revealed Bg. readings)
HNu — Bg readings elsewhere

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu - 111 ppm Isobutylene

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-23-90

Work Areas Checked:
Support Zone
Wash Trailer
Clean Rds

Employees Present in Work Areas:
Gail Reid, Clint McKim, Bob McKim, Scott Hunt, Grant Maichek, Norm Tracy, Phil Smith, Kurt Ettinger

Equipment Being Utilized:
~~Scraper~~ GRADER
pick up

PPE Being Utilized:
Modified D - tyvex, neoprene steel toe boots, Nitrile gloves, hard hat

Accidents/Breeches of Procedures:

None

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: July 23, 1990

Work Performed	No. Hours	Misc. Information
LEVEL LOOP VERTICAL CONTROL IN EXCLUSION ZONE	5	2 MAN CREW
COMPS & FIELD STAKE-OUT ON CULVERT FOR SWALE.	5.5	2 MAN CREW
	Total	
	10.5	

Signatuer of responsible part

10/14

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 7/23/90

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:55/	/	
C-2 L. Dekker	6:55/	/	
C-3 P. Porter	6:50/	/	
C-4 A. Muellerleile	6:50/ 5:08	5:44/	
C-5 C. Ettinger	6:51/12:10	12:45/ 6:00	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	6:57 3:50	6:01/ 6:09	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	6:57/ 3:50	6:01/ 6:09	
C-11 B. Mckim	6:45/12:35	1:05/ 5:25	
C-12 C. Mckim	6:40/ 5:32	/	
C-13 G. Reid	6:38/5:32	/	
C-14 N. Tracy	6:55/12:35	1:05/ 5:32	
C-15 G. Maichele	6:55/12:35	1:05/5:32	
C-16 S. Hunt	6:55/10:17	10:30/ 3:23 5:04/ 5:32	
C-17 P. Smith	6:40 /5:25	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:45/12:05	12:55/ 4:04 4:47/	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:55/5:05	6:02/	
E-4 C. Swann	7:05/12:05	1:35/ 4:04 4:47/ 5:57	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:44/1:15	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	11:07/11:09	/	
S-3 Jerry Palmer	6:00/12:00	/	
S-4 T. Cobb	1:57/6:20	/	
S-5 A. Fox	/	/	
S-6	/	/	

11/14

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 23 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
UPS	10:25/10:30		2 piece deliv
Kent McCullough	10:35/10:40		C/E Sign
Richard Perkins	2:08/6:25		Canonie
Bruce Byers	229/3:05		Conry Line Stone Co. Inc.
Fed. Express	258/3:00		1pc pickup/3pc Delivery
UPS	4:15/4:17		4pc. pickup
O Dekker			
C. Dekker			
P. Porter			
A. Muellerleile			All still working
G. Stiles			
S. Stiles			

12/14

PROJECT ENTRY PERMIT

DATE: 7/23/90 TIME IN: 6:50 TIME OUT: 7:00 PM

NAME: Pete Pocke

COMPANY: Geosyntec Environmental

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-23-90 TIME IN: 12:50 PM TIME OUT: 7:20 PM

NAME: Sue Stiles

COMPANY: EBASCO

BADGE No: E-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-23-90 TIME IN: 6:40 AM TIME OUT: 7:20 PM

NAME: GARY C Stiles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7/23/90 TIME IN: 7:00 Am TIME OUT: 7:00 Pm

NAME: A. Mueller

COMPANY: Conoco

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-23-90 TIME IN: 6:55 TIME OUT: 7:00 P.m

NAME: LaVonne Dekker

COMPANY: Conoco Environmental

BADGE No: #C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-23-90 TIME IN: 6:55 TIME OUT: 7:00 P.m

NAME: David Dekker

COMPANY: Conoco Environmental

BADGE No: #C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

Jul. 22 . 1990

No

Work

ON

Site.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 22, 1990

Checked site at 7:10a.m., everything o.k.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 21, 1990

Arrived at site 6:15a.m. Checked support area. Dressed out, and inspected CRZ & exclusion zone (SLA & CELA). Found no trespasser or campers. Came back left at 8:30a.m.

Returned to site at 6:30p.m., checked both support and CRZ & EZ - everything o.k.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/21/90 DAY: Saturday HRS.WRK. 4 hrs REPORT NO. 27

WEATHER INFORMATION:

TEMPATURE: High 89 Low 64 WIND: Mph. 0-5 Dir. SE

PRECIPITATION: None HUMIDITY: Moderate RIVER EL: AM — PM —

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I ____ R.E. 1

H&SO ____ P.E. ____

C/SE ____ QCM ____

P.M. ____ H&SO ____

HOP ____ P.M. ____

" ____ P/SEC 1

" ____ HOP ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. ____

" SUPV. ____ EMPS. ____

USCOE/EPA ____ " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS ____

MANUAL CANONIE. Gen. Labor ____ Equip. oper. ____

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand-by		
" 963		"		
" D-6		"		
smooth Roller " ~~D-4~~		"		
" 12G		"		
Compactor		"		
Dump trk.				
ton pick-up Others		Stand by		
air truck "		"		
air compressor "		"		
air beaver chipper		"		
"				

PAGE: 1 OF ____

MEETINGS:

PLAN OF DAY OFFICE WORK

SAFETY

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS: office work

Level	Number of employees	Total manhours exposed
CLEAN:	3	12
"D" mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING: NA

Sample	Time	Location	Instrument	Sample type	Results
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS: NA

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1					
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS: NA

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In: _____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES: NA

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1					
2					

Accident/Breeches Report:_____

_____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

PROJECT ENTRY PERMIT

DATE: 7-22-90 TIME IN: 11:10 am TIME OUT: 2:30 PM

NAME: Gary Stiles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-22-90 TIME IN: 11:10 am TIME OUT: 2:30 PM

NAME: Sue Stiles

COMPANY: EBASCO

BADGE No: E-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-21-90 TIME IN: 6:45 pm TIME OUT: 7:50pm

NAME: Gary L Stiles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-21-90 TIME IN: 6:20 Am TIME OUT: 8:15 Am

NAME: Gary L Stiles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7.21.90 TIME IN: 10:30 TIME OUT: 12:30

NAME: Alan Mueller

COMPANY: CANONIE

BADGE No: C4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-22-90 TIME IN: 2:45 TIME OUT: 5:30

NAME: LaVonne Deeken

COMPANY: Connie

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7/21/90 TIME IN: 10 25 TIME OUT: 12:25

NAME: David Dekker

COMPANY: Connie Environmental

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7/21/90 TIME IN: 10:25 TIME OUT: 11:00

NAME: LaVonne Dekker

COMPANY: Connie Environmental

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-22-90 TIME IN: 2:45 Pm TIME OUT: 5:30

NAME: Dave Dekker

COMPANY: Connie

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 20, 1990

Plan of Day Meeting
- °Continue clean haul roads
- °Erect demarcation fence
- ° Stake out CELA

Met with Canonie's Dave Dekker, Alan Muellerleile, and Pete Porter to discuss submittal status letter. They agreed with all items listed, they said Joe Mihm had agreed to accept all items. Dave will give me a memo stating their acceptance. Upon receipt of this, I will provide him with a NTP.

The District Commander USCOE, Major Jim Plank, was a visitor to the site today. He is new to the area, position, and hazardous waste work. I took him, along with Dave Dekker, Canonie, and Doran Stubbs, USCOE, on a tour of the site along the clean haul roads.

Calvin Swan arrived on site afternoon.

Had numerous conversations with Tom Granger and Vanu Patel discussing the submittal status.

Issued full Notice to Proceed.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/20/90 DAY: Friday HRS.WRK. 10hrs REPORT NO. 26

WEATHER INFORMATION:

TEMPATURE: High 89 Low 64 WIND: Mph. — Dir. —

PRECIPITATION: .16 HUMIDITY: mid-11,4 RIVER EL: AM 4.72' PM 4.72'

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I ____ R.E. 1

H&SO ____ P.E. 1

C/SE ____ QCM ____

P.M. ____ H&SO 1

HOP ____ P.M. ____

" ____ P/SEC 1

" ____ HOP ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. APP Surveyors

" SUPV. 1 EMPS. 1

USCOE/EPA 2 " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS See Security log

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 7

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand by		
" 963		Stand by		
" D-6		Stand by		
Smooth Roller " ~~2104~~	8			
" 12G	8			
Compactor		Stand by		
Dump trk.				
Water truck Others		Stand by		
Rock breaker chopper		Stand by		
" compressor		Stand by		
Foreman pick up "	8			
"				

PAGE: 1 OF 13

MEETINGS:

PLAN OF DAY

SAFETY

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL ~~CY~~		55.63 tons
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL. ~~CY~~		55.63 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: none

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: none

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Level Loop from TBM 2 @ Support Zone to BR Spk. in exclusion Zone

Level Work at North end of Project.

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

Friday

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	7	14
"D"mod	7	49
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results BG=0.5 ppm
1	0955	S.W. End of SLA on Rd	HNu	Real time	0.5 ppm
2	1002	W End of SLA on Rd.	HNu	R.T.	0.5 ppm
3	1005	S.W. End of CELA on Rd.	HNu	R.T.	0.5 ppm
4	1009	N. End of SLA on Rd.	HNu	R.T.	0.5 ppm
5	1014	W. End of CELA on Rd.	HNu	R.T.	0.5 ppm
6	1058	S.E. Corner of CELA on Rd.	HNu	R.T.	0.5 ppm
7	1102	E. End of CELA on Rd.	HNu	R.T.	0.5 ppm
8	1108	N.E End of CELA on Rd	HNu	R.T.	0.5 ppm
9	1112	N. End of CELA on Rd	HNu	R.T.	0.5 ppm
10	1115	N.W End of CELA on Rd.	HNu	R.T.	0.5 ppm
11	1126	E. End of SLA on Rd.	HNu	R.T.	0.5 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0915-0925	Wash Trailer			None
2	1030-1045	Clean Rds near exclusion Zones			None
3	1140	Support Yard			None
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Signs received and will be posted for Security, Visitor parking, and main gate

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
• CANONIE ENVIROMENTAL

FOR
• DAILY TIME RECORD

Thursday

DATE: JULY 19, 1990

Work Performed	No. Hours	Misc. Information
STAKE OUT CLEARING LIMITS FOR BASELINE WORK.	10	1 MAN CREW & CANONIE LABORER
RECOVER CORP'S CONTROL & ESTABLISH CONTROL POINTS ON NORTH END OF PROJECT.	10	1 MAN CREW & CANONIE LABORER
	Total	
	10 (2 MAN CREW)	Signatuer of responsible part George App 7/12

John App
Licensed Surve

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONE ENVIROMENTAL

FOR
- DAILY TIME RECORD

Friday

DATE: JULY 20, 1990

Work Performed	No. Hours	Misc. Information
LEVEL LOOP FROM TEM 2 @ SUPPORT ZONE TO RR SPK IN EXCLUSION ZONE.	5	2 MAN CREW
LEVEL WORK AT NORTH END OF PROJECT.	5	2 MAN CREW
	Total	
	10	

Signatuer of responsible par

George App

8/17

SCE

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-20-90

Work Areas Checked: Wash Trailer, support zone, clean Rds. around CECA & SEL

Employees Present in Work Areas: Norman Tracy, Bob McKim, clint McKim, Phil Smith, Grant Michelele, Gail Reid, Scott Hunt, Kurt Ettinger, Jon Alp, George Lazuosky

Equipment Being Utilized:

Roller
scraper
Canonie pick-up

PPE Being Utilized: level D -(modified) Tyvex gloves, Hardhat steel toe boots — rubber boots (Neoprene)

Accidents/Breeches of Procedures:

None

9/13

Pre-construction Perimeter monitoring

Time 0945: Temp ≈ 76°F, pt. sunny, wind SSW, humidity mod → high

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

ECS.

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7/20/90-0955	S.W. End of SEL on Rd.	HNU	PI101	Cal = 111 ppm Isobutylene BG = 0.5 ppm	BG	Real-Time
7/20/90-1002	W. End of SEL on Rd.	HNU	PI101	Same	BG	R.T.
7/20/90-1005	S.W. End of CELA on Rd.	HNU	PI101	Same	BG	R.T.
7/20/90-1009	N. End of SEL on Rd.	HNU	PI101	Same	BG	R.T.
7/20/90-1014	W. End of CELA on Rd.	HNU	PI101	Same	BG	R.T.
7/20/90-1058	S.E corner of CELA on Rd	HNU	PI101	Same	BG	R.T.
7/20/90-1102	E End of CELA on Rd.	HNU	PI101	Same	BG	R.T.
7/20/90-1108	N.E End of CELA on Rd	HNU	PI101	Same	BG	R.T.
7/20/90-1112	N End of CELA on Rd.	HNU	PI101	Same	BG	R.T.
7/20/90-1115	N.W End of CELA on Rd	HNU	PI101	Same	BG	R.T. 10/13
7/20/90-1116	E. End of SEL	HNU	PI101	Same	BG	R.T.

SA E.

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-20-90

Equipment: HNu

Real-Time Air Monitoring Results and Work Area

0.5 ppm on HNu = Bg.
0.5 ppm levels during perimeter monitoring

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

111 ppm Isobutylene for HNu

11/13

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 20 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:50/	/6:30	
C-2 L. Dekker	6:50/	/6:30	
C-3 P. Porter	6:36/9:35	9:37/9:45	10:22/4:20
C-4 A. Muellerleile	7:25/6:20	/	
C-5 C. Ettinger	6:47/12:10	12:30/3:15	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	6:55/4:23	9:40/5:40	
C-9 G. Lazusky	6:55/5:40	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:40/5:30	/	
C-12 C. Mckim	6:45/5:30	/	
C-13 G. Reid	6:45/5:30	/	
C-14 N. Tracy	6:50/5:30	/	
C-15 G. Maichele	6:45/5:30	/	
C-16 S. Hunt	6:50/10:41	12:46/5:32	
C-17 P. Smith	6:45/5:30	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:35/11:50	12:50/3:55	3:20/6:10
E-2 T. Granger	/	/	
E-3 S. Stiles	12:50/6:10	/	
E-4 C. SWAD	5:05/6:10	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	10:12/11:11	11:35/2:09	2:35/4:45
C/E-2 PLANK	3:00/3:30	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	11:35/11:38	3:15/3:40	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	5:55/2:24	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	1:45/	/	
S-6	/	/	

12/13

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 20 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
Boyd Green	7:08/7:27 X 9:03		Green Trucking
Knet McCullough	9:36/9:[illegible]		McCulloh Signs
Charlie Baker	11:35/12:00		
Jim Lopey C-18	12:45/1:5		Rupp Rental
Fed Ex	1:40/1:48		del. /pickup
Bob Everly	2:17		
CABLEVISION	2:47/2:50		WORK AT EBASCO

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 17, 1990

Plan of Day Meeting
Work on wash pad
" " haul roads
" " CELA & west dike layout

Guard service in place and handing out badges.

Discussed coordinates Vanu. Also, discussed coordinates with Doran Stubbs, USCOE. He is trying to get COE surveyor to come down and establish pt. at wier.

Met with Dave Dekker, Alan Muellerleile, Frank Chie Chang & Doran Stubbs regarding rip rap problem. They did not know what the testing requirements were.

Canonie wants to replace Chie Chang,as Resident Engineer, with Alan Muellerleile.

Alan Muellerleile told me that a piece of equipment had hit MW42, and damaged the stand pipe. I told him to make a detailed report with his recommended fix, and submit it to me. The stand pipe is bent about one ft. above the ground, but does not appear to have damaged the concrete or pipe below that point. While looking at the MW, I noticed an oil spot about three ft. south of the well but about eleven ft. north of demarcation tape. I instructed Dave to cover with fill material and move the demarcation tape out to the MW. He did.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/17/90 DAY: Tuesday HRS.WRK. 10½ REPORT NO. 23

WEATHER INFORMATION:

TEMPATURE: High _____ Low _____ WIND: Mph. 5-15 Dir. SW

PRECIPITATION: _____ HUMIDITY: _____ RIVER EL: AM — PM 0½.89'

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

F.E/I _____ R.E. 2

H&SO _____ P.E. _____

C/SE _____ QCM 1

P.M. _____ H&SO 2

HOP _____ P.M. _____

" _____ HOP _____

" _____ " _____

ARCO P.M. _____ " _____

OTHERS _____ CANONIE SUB. Jon AP

" SUPV. 1 EMPS. 2

USCOE/EPA 1 " SUB. _____

" _____ SUPV. _____ EMPS. _____

VISTORS See Attached

MANUAL CANONIE. Gen. Labor _____ Equip. oper. _____

Truck drivers _____ Others _____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	8			
" 963	8			
" D-6	8			
Smooth Roller " ~~Dozer~~	8			
" 12G	8			
Compactor		Stand By		
Dump trk.				
½ ton pickup Others	8			
Water Truck "		Stand By		
Compressor "		Stand By		
Tiger beaver chipper	8			
"				

MEETINGS:

PLAN OF DAY Install access roads to NY Dike and Pave the old railroad bed, chip limbs + debris, work on truck wash pad

SAFETY Buddy System, Watch the heat stress, take breaks when needed

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

Item # 302 (Prepare Support AREA)
: Continue constructing Wash pad

WEST BANK

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER Item # 301 (Install Access Roads) install road down old railroad bed and around the SLR to the N.Y. D.

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	257.72 tons
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL ~~CY~~		53.59 tons
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	75.49 tons
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC. Sand		63.23 tons
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL. ~~CY~~		26.49 tons (Stone #2)
PIT RUN FILL ~~CY~~		257.72 tons	RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	75.49 tons (Stone #4)
MISC. Sand		24.73 tons	MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	1300	No	
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Item # 203 (Constr. Survey Control)

Cont. work on North end of project. Check in to Wa

QA/QC ACTIVITIES: NA

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	① 13 ② 2	① 130 ② 18
"D"mod		
"D"	3	2 hrs
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0900	Support Zone	HNu	Real time	BG = 3 ppm
2	0915	CRZ	HNu	Real time	BG = 3 ppm
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	10:30 A	Support Zone	5/0	Level-D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: NA Out: NA

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Personnel were checked in and out throughout the day.

John App
Licensed Surv

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: JULY 17, 1990

Work Performed	No. Hours	Misc. Information
COOR. WORK ON NORTH END OF PROJECT. CHECK INTO WEIR.	10	3 MAN CREW
	Total	
	10	Signatuer of responsible pe

George Jupp
7/12

AIR MONITORING REPORT
ARCO - WELLSVILLE

S.C.E.

Date: 7-17-90

Equipment: HNu - Model PI101

Real-Time Air Monitoring Results and Work Area

Support Zone - 3ppm (Background)

Contamination Reduction Zone - 3ppm (Background)

Personnel Sampling

none

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Grant Ethridge

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1-17-90 0900	Support Zone	HNu	PI101	111 Isobutylene 3 ppm BG	BG (3ppm)	Real time
-17-90 0915	Contamination Reduction Zone	HNu	PI101	111-Isobutylene 3 ppm BG	BG (3ppm)	Real time

21/12

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-17-90

Work Areas Checked:
Support Zone

Contamination Reduction Zone

Employees Present in Work Areas:
Norman Tracy, Gail Reid, Clint McKim, Phil Smith, Scott Grant Maichele, Craig Carrow, Bob McKim, Gary Styles, ~~Pete~~ Dave Dekker, George Lazousky, Jon App, Frank Gontowski, Alan Mullerkile

Equipment Being Utilized:
Roller
Scraper
loader

PPE Being Utilized:
Modified level D - tyvex, (saftik) gloves, hard hat, steel toes

Accidents/Breeches of Procedures:

None

10/12

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: ~~17~~ July 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:40/12:46	1:30/6:00	
C-2 L. Dekker	6:40/12:46	1:30/6:00	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	7:51/11:15	11:35/3:51	4:03/4:04 / 4:50/6:39
C-5 C. Ettinger	7:00/12:10	12:46/5:45	
C-6 F. Gontowski	5:52/11:15	11:35/	
C-7 C. Chang	6:50/12:10	12:37/6:10	
C-8 J. App	6:40/4:04	5:30/5:36	
C-9 G. Lazusky	6:40/4:04	5:30/5:36	
C-10 C. Carrow	6:40/7:40	11:55/4:04	5:39/5:36
C-11 B. Mckim	6:38/5:30	/	
C-12 C. Mckim	6:38/5:30	/	
C-13 G. Reid	6:38/5:30	/	
C-14 N. Tracy	6:40/5:30	/	
C-15 G. Maichele	6:40/4:16	/	
C-16 S. Hunt	6:40/11:10	2:27/2:59	3:03/5:30
C-17 P. Smith	6:38/11:10	2:22/2:59	3:03/5:30
C-18 T. Kline	6:55/12:10	12:46/5:45	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:38/11:55	12:46/6:12	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:46/6:12	~~12~~ /	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:30/2:54	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	8:57/10:51	/	
S-2 A. Palmer	8:57/9:03	9:30/10:47	
S-3 Jerry Palmer	5:50/2:17	/	
S-4 T. Cobb	1:55/7:12	/	
S-5 A. Fox	/	/	
S-6	/	/	

11/12

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: ~~16~~ 17 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
Jon Clough	7:21 / 8:05		Adams Septic Service
Boyd Green	8:00 / 8:05 XXXXXXXXXXXXXX		Green Trucking - fill 4:26
Walter Babbit	8:45 / 8:55		
Clint Perry	9:55 / 10:00 XXXXXXXXX	3:27	Alfred Atlas
Kent McCulloh	10:5 / 10:20		McCulloh Signs
Lawrence James	10:40 / 10:47 XX	1:00	Lawrence Trucking
UPS	10:40 / 10:42		
Collin Culpan	12:16 / 12:30 XX	2:20	Lawrence Trucking
Howard Klice	12:46 / 12:54		
Fed Express	2:35 / 2:42		Left One package, picked up three UPS Representative.
Ed Spaulding	3:45 / 4:09		
Charlie Rogers	4:36 / 4:51		Yellow Freight

12/12-

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 16, 1990

Plan of Day
Clean and organize trailers
Remove debris along R.R.

Met with the Security Officer, John Palmer and Jerry Palmer

Meeting with the employees. Mr. Tom Klien, H&S Officer, was introduced. He explained all H&S rules regarding the site project.
I gave them a brief history of the site, and what we know about the site. What we expect to encounter - EBASCO/ ARCO concerns for a safe project.
Dave Dekker explained the activity sequence once we start work.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/16/90 DAY: Monday HRS.WRK. 10 REPORT NO. 22

WEATHER INFORMATION:

TEMPATURE: High _____ Low _____ WIND: Mph. _____ Dir. _____

PRECIPITATION: _____ HUMIDITY: _____ RIVER EL: AM 5.40' PM 05.17'

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE.P.S. 1

F.E/I _____ R.E. 2

H&SO _____ P.E. 1

C/SE _____ QCM 1

P.M. _____ H&SO 1

HOP _____ P.M. _____

" _____ HOP _____

" _____ " _____

ARCO P.M. _____ " _____

OTHERS _____ CANONIE SUB. Jon APP

" SUPV. _____ EMPS. _____

USCOE/EPA 1 " SUB. _____

" _____ SUPV. _____ EMPS. _____

VISTORS _____

_____

MANUAL CANONIE. Gen. Labor _____ Equip. oper. 7

Truck drivers _____ Others _____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	8			
" 963	8			
" D-6		Stand-by		
smooth drum roller " [redacted]		Stand-by		
" 12G		Stand-by		
Compactor		Stand-by		
Dump trk.				
Others	8			
gas hose chipper " compressor		Stand-by		
1/2 ton pickup "	8			
water truck "		Stand-by		
"				

PAGE: 1 OF 10

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 19, 1990

Plan of Day
- °Surveyors will layout clearing limits
- °Continue graveling clean haul road and equipment
- °Put up regulatory signs
- °Erect Demarcation fence around CELA & SLA
- °Look out for visitors in north field
- °Watch heat stress
- °If a NTP is not issued, we may have to quit work

Had long discussion with Chie Chang, Dave Dekker and Alan Muellerleile about what they need to do to get Notice To Proceed.

Joe Mihm and Joe Clifford are on site today. We met at the working meeting

EBASCO sent Canonie a letter of rejection of test on rip rap Stabeen quarry. They have found three other sources, all limestone. Will start testing of those.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/19/90 DAY: Thursday HRS.WRK. 10hrs REPORT NO. 25

WEATHER INFORMATION:

TEMPATURE: High 96 Low 61 WIND: Mph. — Dir. —

PRECIPITATION: None HUMIDITY: High RIVER EL: AM 4.78' PM 4.75'

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE.P.S. 1

F.E/I ____ R.E. 2

H&SO ____ P.E. 1

C/SE ____ QCM 1

P.M. ____ H&SO 1

HOP ____ P.M. 1

" ____ HOP ____

" ____ " ____

ARCO P.M. ____ " ____

OTHERS ____ CANONIE SUB. APP Screening

" SUPV. 1 EMPS. 1

USCOE/EPA 1 " SUB. ____

" ____ SUPV. ____ EMPS. ____

VISTORS See Security log

MANUAL CANONIE. Gen. Labor ____ Equip. oper. 7

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand-by		
" 963		Stand-by		
" D-6		Stand-by		
north roller " ~~D-4~~	8			
" 12G	8			
Compactor		Stand-by		
Dump trk.				
later Truck Others		Stand-by		
+ compressor "		Stand-by		
for pickup "	8			
for beaver chipper		Stand-by		
"				

MEETINGS:

PLAN OF DAY Work on haul roads, clean chipper blades, help surveyors

SAFETY Hot today, buddy system, plenty of water and breaks when needed

SCHEDULED Weekly meeting. Minutes to be submitted within 7 days.

UN-SCHEDULED Afternoon meeting is next over what is outstanding and needs to be addressed as soon as possible

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

Item # 203

Stake clearing limits on west side

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL ~~CY~~		183.35 tons
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL. ~~CY~~		183.35 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Stake out clearing limits & establish some more control Points

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	7	70
"D"mod	7	70
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1437	S.W. SEL on Rd.	HNu	Real time	0 ppm
2	1447	N. End of SEL on Rd.	HNu	R.T.	0 ppm
3	1451	E. End of CELA on Rd.	HNu	R.T.	0 ppm
4	1454	N.E Corner of CELA on Rd.	HNu	R.T.	0 ppm
5	1506	N. End of CELA on Rd.	HNu	R.T.	0 ppm
6	1508	N.E. Corner of CELA on Rd.	HNu	R.T.	0 ppm
7	1516	W. side of CELA on Rd.	HNu	R.T.	0 ppm
8	1520	S.W side of CELA on Rd.	HNu	R.T.	0 ppm
9	1522	S.E. side of SEL on Rd.	HNu	R.T.	0 ppm
10	1526	S. side of SEL on Rd.	HNu	R.T.	0 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1630	Support Zone			None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	~~1~~ 1:30 pm	Mr. B. McKin Smoking in mask Trailer			
2					

Accident/Breeches Report: Made Mr. B. McKin put out Cigarette and placed "no Smoking" Sign outside of trailer door at entrance

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No problems to report today

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-19-90

Equipment: Photo-ionization Detector - HNu

Real-Time Air Monitoring Results and Work Area

Perimeter of CELA = 0 ppm on HNu
Perimeter of SEL = 0 ppm on HNu
gate area & yard = 0 ppm on HNu

Personnel Sampling

None

Name	Date	TWA

Calibration Method for Equipment

111 ppm Isobutylene for HNu

Perimeter - Pre-Construction Monitoring

Time 1430 – Temp ≈ 85°F, pt. Sunny, Mod → high humidity, wind SSW

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Photo-ionization detector

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
/19/90 - 1437	S.W. corner of SEL on Rd.	HNU	PI101	Cal = 111ppm Isobutylene BG = 0 ppm	0 ppm	Real time
/19/90 - 1447	N. End of SEL on Rd.	HNU	PI101	Same	0	R.T.
/19/90 - 1451	E. End of CELA on Rd.	HNU	PI101	Same	0	R.T.
/19/90 - 1454	N.E Corner of CELA on Rd.	HNU	PI101	Same	0	R.T.
/19/90 - 1506	North End of CELA on Rd.	HNU	PI101	Same	0	R.T.
/19/90 - 1508	N.E. corner of CELA on Rd.	HNU	PI101	Same	0	R.T.
/19/90 - 1516	W. side of CELA on Rd.	HNU	PI101	Same	0	R.T.
/19/90 - 1520	S.W side of CELA on Rd.	HNU	PI101	Same	0	R.T
/19/90 - 1522	S.E side of SEL on Rd.	HNU	PI101	Same	0	R.T.
/19/90 - 1526	S. side of SEL on Rd.	HNU	PI101	Same	0	R.T.

8/14

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-19

Work Areas Checked:
Support Zone yard & wash Trailer

Employees Present in Work Areas:
Kurt Ettinger, Gail Reed, Norman Tracy, Chris McKim, Bob McKim Scott Hunt, Phil Smith, Grant Maichele

Equipment Being Utilized:
Scraper
Roller

PPE Being Utilized:
level D (Modified) – tyvex, gloves, steel toes hard hats

Accidents/Breeches of Procedures:
Caught Mr. B. McKim smoking in wash trailer - Reminded him of the Hydrogen bottle now in this trailer and that this is a "no smoking trailer". Placed a no Smoking sign on the outside by the door after making Mr. McKim put the cigarette out.

9/14

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending:

Non-Use or Mis-Use of PPE

level D still being used for pre-construction - non-exclusion zone work - No misuse or non use

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

Smoking in non-smoking trailer (wash trailer)

Job-Related Illness or Injuries

None

Weather Data Temp - 60 - 90°F
wind - W - SW - S
No Rain

Air Monitoring Summary

HNu - levels at BG. for pre construction monitoring

10/14

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 19 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:50/12:20	145 /	
C-2 L. Dekker	6:50 /	/	
C-3 P. Porter	6:00/ 3:35	4:15 / 6:03	
C-4 A. Muellerleile	7:00/12:20	1:15 /	
C-5 C. Ettinger	6:40 / 1:15	1:30/5:43	
C-6 F. Gontowski	6:30/8:22	/	
C-7 C. Chang	7:00/12:20	1:15 / 2:24	
C-8 J. App	6:50/12:55	3:28/4:08	5:21/5:37
C-9 G. Lazusky	6:50/ 4:08	5:21 / 5:37	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:40/ 5:30	/	
C-12 C. Mckim	6:40/ 5:30	/	
C-13 G. Reid	6:40/ 5:30	/	
C-14 N. Tracy	6:45/ 5:30	/	
C-15 G. Maichele	6:45/ 5:30	/	
C-16 S. Hunt	6:45/8:05	9:08/9:40	10:05/1:48 2:16/2:27 3:23/5:34
C-17 P. Smith	6:40/ 5:30	/	
C-18 Joe Clifford	6:30/12:20	1:15 / 5:35	
C-19 Joe Mihm	7:05/12:20	1:15/	
C-20	/	/	
E-1 G. Stiles	6:40/12:15	1:00/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	1:00 / 1:05	1:35/
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	10:00 / 2:04	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	1:59 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

11/14

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 19 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
Boyd Green	8:46/8:50 XXXXXXXXXXXXXXXX		Green Trucking
Keis Carlin	9:18/9:20		Short's Oil Co.
UPS	10:25/10:31		7 piece deliv.
Callie Gilliland	1:26/1:28		deliv. to On-Site
~~FEDS~~ Fed Express	2:14/2:16		3pc. Delivery
Mr. Lotter	2:30/2:39		To see Mr. Porter
Charlie Baker	2:57/2:58		To see Mr. DeKKER
Lester Office Supply	3:19/3:24		6 pc. delivery
UPS	4:00/4:03		2 pc. pick up

D. Dekker
L. Dekker
A. Mueller Leile
J. Mihm
G. Stiles
S. Stiles

All still working

12/14

PROJECT ENTRY PERMIT

DATE: 7-19-90 TIME IN: 6:50 AM TIME OUT: 8:PM

NAME: LaVonne Dekker

COMPANY: Canonie

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-19-1990 TIME IN: 6:50 AM TIME OUT: 8:PM

NAME: David Dekker

COMPANY: Canonie

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7.19.90 TIME IN: ~7:00 AM TIME OUT: 8:00 PM

NAME: ALAN MUELLENMEILE

COMPANY: CANONIE

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-19-90 TIME IN: 12:40 p.m. TIME OUT: 8:10 p.m.

NAME: Sue Stiles

COMPANY: Ebasco

BADGE No: E-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7-19-90 TIME IN: 6:35 p.m. TIME OUT: 8:10 p.m.

NAME: Gary L. Stiles

COMPANY: Ebasco

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 7/19/90 TIME IN: 7:00 AM TIME OUT: 8:00 PM

NAME: JOSEPH E. MUNN

COMPANY: CANONIE ENVIRONMENTAL

BADGE No: C-19

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
July 18, 1990

Plan of Day Meeting
Continue on haul roads and wash pad
Lay out approximate line of clearing
Locate MW. & Stake

Discussed survey check results with Jon App

Vanu called about Rip Rap. He said that it doesn't meet specifications, was tested by wrong test method, no witness to test, tested by an unapproved lab. Inspection report of jobs completed shows 25% failure in 3yrs. The only material submitted so far has been sandstone.

Dave asked if it would be o.k. to go ahead and set some stakes along the clearing line, even though it is maybe off a few inches. I agreed to allow that.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 7/18/90 DAY: Wednesday HRS.WRK. 10hrs REPORT NO. 24

WEATHER INFORMATION:

TEMPATURE: High 90 Low 60 WIND: Mph. 0-5 Dir. NE

PRECIPITATION: None HUMIDITY: High RIVER EL: AM ~ PM 04.82

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 CANONIE. P.S. 1

Weather information
Mon. 7/16 High 86 Low 60
Tues 7/17 High 92 Low 59

F.E/I ___ R.E. 2
H&SO ___ P.E. 1
C/SE ___ QCM 1
P.M. ___ H&SO 1
HOP ___ P.M. ___
" ___ HOP ___
" ___ " ___
ARCO P.M. ___ " ___
OTHERS ___ CANONIE SUB. APP Surveying
" SUPV. 1 EMPS. 2
USCOE/EPA 1 " SUB. ___
" ___ SUPV. ___ EMPS. ___
VISTORS See Security log

MANUAL CANONIE. Gen. Labor ___ Equip. oper. 7
Truck drivers ___ Others ___

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand-by		
" 963	8			
" D-6	8			
Smooth Roller ~~Ford~~				
" 12G	8			
Compactor		Stand-by		
Dump trk.				
Water Truck Others		Stand-by		
Ford Pick up	8			
" compressor		Stand-by		
Water beaver chipper		Stand-by		
"				

MEETINGS:

PLAN OF DAY Continue working on access roads and aid Surveyors in staking out ℄ of West Pike

SAFETY Buddy system. Motivated that 2 types of snakes known to area. (keep eyes open; they are poisonous)

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Item # 202 (Stake out West Pike)

See pg 4

EAST BANK

RIVER(Any activity performed in water or gravel bare)

OTHER Item # 301 (Establish Access roads)
Continued installing access roads through CRZ, around SLA, and down the railroad grade.

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	~~CY~~	114.04 tons
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	160.89 tons
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	~~CY~~	114.04 tons	RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Item #202 (Stake out West Bk.)

Centerline Stake out of West Bank Rdwy.

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	~~3~~ 6	60
"D"mod	7	70
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0752	CRZ near gate	HNu	Real time	Spen = Bg
2	0800	N. of CRZ on rd.	HNu	Real time	Spen = Bg
3	1500	west End of CELA on Rd.	HNu	Real time	Open = Bg
4	1515	South End of CELA on Rd.	HNu	Real time	Open = Bg
5	1530	East End of CELA on Rd.	HNu	Real time	Open = Bg
6	1600	North End of CELA on Rd.	HNu	Real time	Open = Bg
7	1621	West End of SFL on Rd	HNu	Real time	Open = Bg
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0930	Support Zone yard	0	—	None
2	1535	Clean Rd around CELA	5	Mod D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION Seven people caught tresspassing on 9-mile trail. Names and addresses noted - none have phones. First warnings given by Dave Dekker.

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

Day ended with no further problems.

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670



REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: July 18, 1990

Work Performed	No. Hours	Misc. Information
Center Line station west Bank	10	2 man Crew
Supplies, Recovery, & office Comps.	5 ½	1
	Total	
	10 2 MAN	Signatuer of responsible part
	5½ OFFICE RATE	

7/12

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-18-90

Equipment: HNU

Real-Time Air Monitoring Results and Work Area

gate area - 0 ppm on HNU
perimeter of CELA - 0 ppm on HNU in Bz.
perimeter of SEL - 0 ppm on HNU in Bz.

Personnel Sampling

None

Name	Date	TWA

Calibration Method for Equipment

111 ppm Isobutylene for HNU

8/12

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-18-90

Work Areas Checked:
Support Zone

Employees Present in Work Areas:
Norman Tracy, Gail Reid, Clint McKim, Phil Smith, Bob McKim, Grant Marshall, Craig Carrow, Pete Porter, Jon App, George Lazovsky, Alan Mullerleile, Gary Styles, ~~Roger Stubbs~~, ~~Chris Chang~~, Kurt Effinger

Equipment Being Utilized:
Scraper
Roller

PPE Being Utilized:
level D (modified) tyvek, Boots, Gloves, hardhat

Accidents/Breeches of Procedures:

None

9/12

4C.2.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

AM. No Wind - Clear, ≈70°F at 0800 PM. SW wind 85°F Sunny

Date/Time	Location	Instrument	Model No.	Calibration/Background	Results	Interpretation/Time (Min.)
7/18/90 0752	CRZ	HNu	PI 101	5 ppm	BG	Real time
7/18/90 0800	N. of CRZ on Road	HNu	PI 101	5 ppm	BG	Real time
7/18/90 1500	West (Rd. by CELA)	HNu	SHNu08 (PI101)	0 ppm	BG	Real time
7/18/90 1515	South End of CELA on Rd.	HNu	SHNu08 (PI101)	0 ppm	BG	Real time
7/18/90 1530	East End of CELA on Rd.	HNu	SHNu08 (PI101)	0 ppm	BG	Real time
7/18/90 1600	North End of CELA on Rd.	HNu	SHNu08 (PI101)	0 ppm	BG	Real time
7/18/90 1621	West End of SEL on Rd.	HNu	SHNu08 (PI101)	0 ppm	BG	Real time

Cal = 111 ppm Isobutylene

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 18 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:55/12:15	12:46/6:18	
C-2 L. Dekker	6:55/12:15	12:46/6:18	
C-18 ~~C-3~~ P. Porter	6:25/9:27	10:09/12:10	12:36/6:25
C-4 A. Muellerleile	7:25/12:10	12:36/6:25	
C-5 C. Ettinger	6:45/1:15	1:51/6:25	
C-6 F. Gontowski	7:10/4:59	5:12/	
C-7 C. Chang	7:00/12:55	1:20/6:20	
C-8 J. App	6:50/7:55	11:50/3:27	4:43/5:34
C-9 G. Lazusky	6:50/5:34	/	
C-10 C. Carrow	6:50/5:34	/	
C-11 B. Mckim	6:40/5:28	/	
C-12 C. Mckim	6:40/5:28	/	
C-13 G. Reid	6:40/5:28	/	
C-14 N. Tracy	6:50/5:28	/	
C-15 G. Maichele	6:58/5:28	/	
C-16 S. Hunt	6:50/8:05	8:31/8:46	9:20/5:38
C-17 P. Smith	6:40/5:28	/	
~~C-18~~	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:40/10:13	10:57/12:10	1:05/
E-2 T. Granger	/	/	
E-3 S. Stiles	10:57/12:10	1:05/3:59	4:52/
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:35/12:15	12:55/2:44	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	8:47/10:52	/	
S-2 A. Palmer	11:15/11:20	2:02/2:02	
S-3 Jerry Palmer	5:50/12:04	/	
S-4 T. Cobb	1:58/6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 18 July 1990

No./Name	Time In/Out	Time In/Out	Remarks
Boyd Green	7:50/7:55 XXXXXXXXXXXXX	4:30	Green Trucking
Dale Zinders	10:48/9:27		Sheets Oil Co.
Bob Everly	10:48/10:52		
Gene Garrison	9:18/9:23 XXXXXXXXX	4:00	Alfred Atlas
UPS	10:48/10:57		6 piece deliv.
Rick Hyatt E-5	10:52/11:40		Omnitax
Robert Eck	199 Madison St. Wellsville (1:05 PM)		Trespassers on 9-mile trail
Jamie Eck	"		
Tykeene Eck	"		
Christin Eck	"		
Sean Eck	117 E. Pearl St. Wellsville		
Sue Eck	"		
Brian Eck	199 Madison St. Wellsville		
Fed Ex	1:45/1:48		Delivery/Pick up
UPS	4:21/4:22		3pc. pickup
G. Stiles	Are all still working @ 6:30 p.m.		
S. Stiles			
F. Gontowski			

12/12

MEETINGS:

PLAN OF DAY Start building access road in CRZ (contamination reduction zone)

SAFETY Reviewed levels of PPE and H&S activities. Informed crew of heat stress conditions.

SCHEDULED

UN-SCHEDULED Meeting to go over with operators and other appropriate personnel what kind of H&S equipment is needed in the exclusions zone, (CRZ) and the procedures for an emergency in the area.

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK

RIVER (Any activity performed in water or gravel bare)

OTHER 301 start S.A Existing access road in CRZ

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRI	ACRE		KE TRNCH WST.	CY	
GRUBBING DEBRI	ACRE		COMMON FILL	CY	
TOPSOIL STRIPNG			PIT RUN FILL	CY	
NON-CONTMTD	CY		CLAY FILL	CY	
CONTMTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	TON	
CLEAN	CY		SEED&MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		•		
TOE TRENCH EXCAV.			•		
CLEAN MATRL.	CY		•		
WASTE MATRL.	CY		•		

MATERIALS RECEIVED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDER CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				
•				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

SURVEY CONTROL LOOP FOR HORIZONTAL REFERENCE POINTS

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	13	130
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	11:10-12:10A	CRZ-Washpad	HNU PI101	Real-Time	0-1ppm above background
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	11:00A	SZ. CRZ Washpad	8 / Dozer, Grader Backhoe	D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 9 Emps. Out: 9

Equipment: In: Dozer, Grader, backhoe, chipper Out: —

Venders Equipment: In: Surveyors Out: Surveyors

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Everyone signed in (Date, time, company)

Start all on-site Security officers.

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: JULY 16, 1990

Work Performed	No. Hours	Misc. Information
CONTROL LOOP TRAVERSE	10	3 MAN CREW
	Total	
	10	Signatuer of responsible part

George Lapush

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-16-90

Equipment: Hnu PI101

Real-Time Air Monitoring Results and Work Area

CRZ-Wash pad -0ppm

Personnel Sampling

Name	Date	TWA

Calibration Method for Equipment

Isobutylene, Internal.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
7-16-90 11:40A - 12:10A	CRZ-Washpad	Hnu	PI101	Isobutylene, Internal	Oppm	Real-Time

9/10

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 7-16-90

Work Areas Checked:
Support Zone, CRZ

Employees Present in Work Areas:
Dave Dekker, LaVonne Dekker, Pete Porter, Tom Klein, Kurt Ettinger, Chris Chang, Gary Stiles, Joe, Doren Stubbs, Bob McKim, Clint McKim, Gail Reid, Norm Tracy, Grant Maichele, Phil Smith, Scott Hunt.

Equipment Being Utilized:
Dozer, Loader, Grader

PPE Being Utilized:
Level D

Accidents/Breeches of Procedures:

None

10/10

Jul. 15, 1990

No

Work

ON

Site

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 15, 1990

Arrived at 7:45 a.m.
Plan of Day:
- °Resume clay placement on NY Dike.
- °Move rip rap pile stripped from NY Dike.
- °Start trench backfill (station 0-4+75).

Field Observations and Activities:

Clay placement on NY Dike resumed with 7 trucks, (Canoie wanted 12). Clay is wet of optimum and subject to weaving.

Backfilled key trench from C.O.E. Dike to station 4+50 after inspection showed essential absence of contaminants. Trench from 4+50 to 9 is on hold until test results (TPH) in hand (results expected tomorrow). D. Dekker acknowledged many places to work so no problem. Key trench brought up in 1 foot lifts with 6 coverages of VIB smooth drum. Fill material is that removed from trench.

Strippings from ~~key~~ Toe trench being hauled to topsoil pile.

Moved rip rap stripped from NY Dike to spoil area in Lagoon behind NY Dike. C.O.E. pile awaiting final disposition.

Observed sand cone density test in clay fill.

Grading and proof rolling of embankment foundation in progress. Four coverages with VIB. Smooth drum roller being systematically applied.

Left site at 6:30 p.m.

RECEIVED

AUG 16 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 8/15/90 DAY: Wednesday HRS.WRK. 10hrs REPORT NO. 49

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM ____ PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. ____ CANONIE.P.S. 1

		P.E/I 1	R.E. 2
		H&SO ____	P.E. 1
		C/SE ____	QCM 1
		P.M. ____	H&SO 1
		HOP ____	P.M. 1
		" ____	P.SEC 1
		" ____	HOP ____
	ARCO	P.M. ____	" ____
	OTHERS	____	CANONIE SUB. App Surveyors
	"		SUPV. 1 EMPS. 1
	USCOE/EPA	1	SUB. ____
	"	____	SUPV. ____ EMPS. ____
	VISITORS	See Security log	

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	10			
" 12G	10			
(Sheep)Compactor	10			
(Smooth) "	10			
Canonie Wtr. Trk	10			
Hertz Wtr.Trk				
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
½ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY Continue hauling clay. Excavate inspection pits at 50' increments from Sta 4+50 - Sta 1+30 to see where the o/l stops. Backfill key trench Sta 4+50 & Sta 1+30. Move Rip Rap pile and place in lagoon (just the Rip Rap removed from the face of the NY Pike. Start toe trench Sta 16+50

Safety: If clearing is done today, wear leather gloves. Will monitor key trench operation

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity ID #601 (Raise NY Pike)
202 (Stake out W. Pike)
602 (Construct W. Bank key trench)
608 (Construct W. Bank toe trench)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	742
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY	336	RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	72	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY	742	ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

@ 202 Toe Staking

" 203 Cross sectioning P.I. Ben

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1		sta 14+00 - sta 16+50	A-3			X	
2		sta 16+50 - 22+00	A-5			X	
3		sta 16+50 - 22+00	A-5			X	
4							
5							
6							
7							
8							
9							
10							

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	7, 2, 1, 2	70, 6, 2, 6
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0901	2+50-10R	HNu	Real Time	0 ppm
2	0902	2+50-10R	Miniram	R.T.	0.00 mg/m³
3	0903	2+50-10R	CGE	R.T	20.9% O₂, 0% LEL
4	1007	2+50-10R	HNu	R.T.	0 ppm
5	1008	2+50-10R	Miniram	R.T	0.00 mg/m³
6	1009	2+50-10R	CGE	R.T.	20.9% O₂, 0% LEL
7	1054	18+50-20L	HNu	RT	0 ppm
8	1055	18+50-20L	Miniram	RT	0.00 mg/m³
9	1057	18+50-20L	CGE	RT	20.9% O₂, 0% LEL
10	1253	2+50-10R	HNu	RT	0 ppm

Air testing to start more often

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0930	N of CELA	2/Tractor, Roller	level D (mod. E.P.)	None
2	1420	E of CELA	2/dozer, sheepsfoot	level C (mod. E.P.)	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: 0

Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Accidents or Incidents to report 15 August 1990

Daily Report

Canonie Environmental
500 N. Gulph Road - Suite 215
King of Prussia, Pennsylvania 19406
(215) 337-3551

Sheet 2

BY: Pete Porter — CONTRACTOR'S SUPERVISOR

DATE: 8/15/90

HOURS ON SITE: 10 hrs.

PROJECT LOCATION: Sinclair Refinery, Wellsville

WEATHER & TEMPERATURE:

JOB NO.: 88-093

LOCATION OF WORK: W. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

602 (Construct W. Bank key trench) Cont'd

The key Trench from Sta 1030 - Sta 4+25 was brought up in 1ft lifts and compacted with the smooth drum roller. Cal Swan observed and approved the operation.

608 (Construct W. Bank toe trench)

- Started excavating toe trench
- Stripped 3 loads of topsoil within the toe limit and trucked to topsoil stockpile. Sta 16+30 - Sta 19+00
- Excavated 14 loads of unsuitable material and hauled to unsuitable material stockpile area. All material hauled to unsuitable stockpile area was approved by Cal Swan. 336 cy = 14 loads
- Suitable material removed from toe trench can be placed on foot of West Bank dike and rolled. Operation was approved by Cal Swan.

Not toe trench

Sta 9+00 to 10+00

OTher: From Sta 9+00 - Sta 16+30 Leveling of W. Bank dike foot and proof rolling completed

202 (Stake out W. Dike)

Toe Staking

203 (Construction Survey Control)

Cross-sections Pit Run

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Caronie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
215) 337-3551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE 8-15-90 | HOURS ON SITE 10hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville

WEATHER & TEMPERATURE:

JOB NO: 88-093

LOCATION OF WORK: W Bank NT Dike

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

EO # 601 (Raise NT Dike)

- Completed first lift and ½ of 2nd lift of clay on the back of the NT Dike
- Took Field Density Test (Sand Cone & Speedy) at Sta 19+00 and Sta 20+50
- Sta ~~19+00~~ 20+50 (1st Lift)

% Proctor - 98.3 %

Water Content - 23.6 %

OPT - 26.9 %

- Sta ~~20+50~~ 18+00 (2nd Lift)

% Proctor - 99.6 %

Water Content 28.8 %

OPT 27.3 %

- Test was performed according to the Contract Documents
- Cal Swan approved the location of the Tests

EO # 602 (Construct W. Bank key trench)

- Bank Filled Sta 1+30 - Sta 4+25 after inspection pits were excavated to DEPTH OF GROUNDWATER to determine where the oil ~~stops~~ ceases to appear in the key trench. Inspection pits were excavated according to Cal Swan's directions at fifty foot intervals from Sta 4+50 to Sta. 1+50.
- 0.1 did not appear from Sta 3+00 through Sta 1+30
- 0.1 did appear at Sta 3+50, 4+00, & 4+50

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH

INSPECTION DATE 8/15/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 16+50 TO 14+00
From Toe Trench area

4. REMARKS Removed topsoil and placed in topsoil pile. Excavated to suitable material. Topsoil was on top of suitable material

INSPECTOR Peter Porter DATE 8/16/90

REVIEWED BY [signature] DATE 8/16/90

Sta 20+50
See Data Sheet

FILL MATERIAL ABOVE WATER SURFACE

FORM A-5
SHEET ___ OF ___
INSPECTION DATE 8/15/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BORROW MATERIAL OBTAINED FROM BORROW AREA APPROVED BY CONSTRUCTION MANAGER	X		
- FREE OF DEBRIS, ROOTS, ORGANIC OR FROZEN MATERIAL, STONES 3 INCH AND LARGER IN EQUIVALENT DIAMETER	X		
2. PLACEMENT			
- INSPECT KEY TRENCH FOR FREE STANDING WATER AND/OR ORGANIC MATERIAL BEFORE PLACEMENT OF DIKE FILL			X
- EXISTING GRADE IS SCARIFIED	X		
- MAXIMUM LOOSE LIFT OF 12"	X		
- INSPECT LAYER OF FILL OR EXISTING GRADE FOR PROPER MOISTURE CONTENT (± 2% OF OPTIMUM) PRIOR TO PLACEMENT OF NEXT LIFT.	X		
- SURVEYOR VERIFY DIKE ALIGNMENT, SLOPES, CONFIGURATION AND DIMENSIONS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.			
3. VERIFICATION TESTING			
- 1 DENSITY TEST FOR EACH 750 CU. YDS. OR EACH AREA COMPLETED IN ONE DAY WHICHEVER IS LESS (AT LEAST 95% OF MAXIMUM DRY DENSITY)	X		
- 1 MOISTURE CONTENT TEST (BETWEEN +2% AND -2% OF OPTIMUM) FOR EACH 750 CU. YDS. OR EACH AREA COMPLETE IN ONE DAY WHICHEVER IS LESS.	X		

4. DUST CONTROL ACTION TAKEN: Haul Roads sprayed when needed

5. FILL LOCATION
DIKE STATION 22+00 TO 16+50

6. REMARKS Cal Swan approved 3% deviation from optimum moisture content
Cal Swan approved location of test

INSPECTOR Peter Porter DATE 8/15/90

REVIEWED BY [signature] DATE 8-16-90

(1)

FIELD DENSITY TEST (Sand cone, Balloon) Data sheet 11

Project SINCLAIR REFINERY Job. No 88-C23

Location of Project WELLSVILLE, NY

Description of Soil UNGERMAN CLAY STA. ~~19+00~~ 20+50 EL. 1498.61

Test Performed By FJG/PFP Date of Test 8/15/90 5.30 PM

Laboratory Data from Field Test

Sand-cone method		Balloon method	
Wt. of wet soil + can	2875 g	Wt. of wet soil + can	
Wt. of can	273.7 g	Wt. of can	
Wt. of wet soil, W'	2601.3 g	Wt. of wet soil, W'	
Wt. of wet soil + pan	–	Wt. of wet soil + pan	
Wt. of dry soil + pan	–	Wt. of dry soil + pan	
Wt. of pan	–	Wt. of pan	
Wt. of dry soil	–	Wt. of dry soil	
Water content, w%	23.6% (SPEEDY) OPT. = 26.9%	Water content, w%	

Field Data

Sand-cone method		Balloon method	
Type of sand used		Correction factor CF =	
Unit wt. of sand, γ_{sand} =	96.4 pcf	Final scale reading	cm³
Wt. of jug + cone before use	6143 g	Initial scale reading	cm³
Wt. of jug + cone after use	2237 g	Vol. of hole, V_h'	cm³
Wt. of sand used (hole + cone)	3906	Vol. of hole = V_h'(CF)	cm³
Wt. of sand in cone (from calibration)	1735g		
Wt. of sand in hole, W	2171g		
Vol. of hole, $V_h = W/\gamma_{sand}$ =	0.05		

MAX. DD = 95.4 pcf

Density of Soil

Wet density $\gamma_{wet} = W'/V_h$ = 115.5 pcf

Dry density $\gamma_{dry} = \gamma_{wet}/(1+w)$ = ~~93.6~~ 93.6 pcf

USING TP-5/6 C...

% PROCTOR = ~~98.0~~ 98.0%

FIELD DENSITY TEST (Sand cone, Balloon) Data sheet 11

Project SINCLAIR REFINERY Job No 89-093

Location of Project WELLSVILLE, NY

Description of Soil UNGERMAN CLAY STA. ~~20+50~~ 18+00 EL. 1500.52

Test Performed By FJG/PFP Date of Test 8/15/90 6:40 PM

Laboratory Data from Field Test

Sand-cone method		Balloon method	
Wt. of wet soil + can	2672 g	Wt. of wet soil + can	
Wt. of can	273.7 g	Wt. of can	
Wt. of wet soil, W'	2398.3 g	Wt. of wet soil, W'	
Wt. of wet soil + pan	2398.3 g	Wt. of wet soil + pan	
Wt. of dry soil + pan	–	Wt. of dry soil + pan	
Wt. of pan	–	Wt. of pan	
Wt. of dry soil	–	Wt. of dry soil	
Water content, w%	28.8 %	Water content, w%	

Field Data

Sand-cone method		Balloon method	
Type of sand used		Correction factor CF =	
Unit wt. of sand, γ_{sand} =	93.8 pcf	Final scale reading	cm³
Wt. of jug + cone before use	7296 g	Initial scale reading	cm³
Wt. of jug + cone after use	5728 g	Vol. of hole, V_h'	cm³
Wt. of sand used (hole + cone)	2568	Vol. of hole = V_h' (CF)	cm³
Wt. of sand in cone (from calibration)	1735 g		
Wt. of sand in hole, W	1833.0 g		
Vol. of hole, $V_h = W/\gamma_{sand}$ =	0.04		

Density of Soil

Wet density $\gamma_{wet} = W'/V_h$ = 122.7 pcf

Dry density $\gamma_{dry} = \gamma_{wet}/(1+w)$ = 95.2 pcf

Using TP-1 Curve Opt. Moist. = 27.3%

% Proctor = 99.7% Max. DD = 95.6 pcf

[redacted] Activities: Working clay along E. End of CELA with dozer ± 18+50 to 15+90, Backfilling/Rolling Key Trench from 1+30 → 4+50

PM Activities: Same as morning + Rolling of fill on at 11+00, 12+00 area w. SC Roller

Time: 0850, Temp ± 62°F, Fog, No wind; 1050, Sunny, N No wind
Time: 1251, Temp ± 75°F, Sunny, NW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/15/90-0901	2+50-10R	HNu	PI101	Cal: 111 ppm Isobutylene 80: 0.0 ppm 2 Leg for Zeroing	0.0 ppm	Real Time
8/15/90-0902	2+50-10R	Miniram	PDM-3		0.00 mg/m³	R T.
8/15/90-0903	2+50-10R	CGI	261	15% O₂, 50% LEL	20.9% O₂, 0% LEL	R T
8/15/90-1007	2+50-10R	HNu	PI101	Same	0.0 ppm	R T
8/15/90-1008	2+50-10R	Miniram	PDM-3	Same	0.00 mg/m³	R T
8/15/90-1009	2+50-10R	CGI	261	Same	20.9% O₂, 0% LEL	R T.
8/15/90-1054	18+50-20L	HNu	PI101	Same	0.0 ppm	R T
8/15/90-1055	18+50-20L	Miniram	PDM-3	Same	0.00 mg/m³	R T
8/15/90-1057	18+50-20L	CGI	261	Same	20.8% O₂, 0% LEL	R T
8/15/90-1253	2+50-10R	HNu	PI101	Same	0.0 ppm	R T
8/15/90-1254	2+50-10R	CGI	261	Same	20.5% O₂, 0% LEL	R T
8/15/90-1255	2+50-10R	Miniram	PDM-3	Same	0.00 mg/m³	R T
8/15/90-1310	15+50-20R	HNu	PI101	Same	0.0 ppm	R T
8/15/90-1302	15+50-20R	Miniram	PDM-3	Same	0.00 mg/m³	R T
8/15/90-1303	15+50-20R	CGI	261	Same	20.5% O₂, 0% LEL	R T
8/15/90-1425	18+00-20L	HNu	PI101	Same	0.0 ppm	R T
8/15/90-1426	18+00-20L	Miniram	PDM-3	Same	0.00 mg/m³	R T
8/15/90-1427	18+00-20L	CGI	261	Same	20.4% O₂, 0% LEL	R T
8/15/90-1613	15+50-20R	HNu	PI101	Same	0.0 ppm	R T
8/15/90-1614	15+50-20R	Miniram	PDM-3	Same	0.00 mg/m³	R T
		CGI	261		20% O₂	R T

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-15-90

Equipment: HN_3, CGI, Miran

Real-Time Air Monitoring Results and Work Area

Background/normal levels found on all (HN_3, CGI, Miran) equipment during operations today in NCF CELA 1 & 2 of CELA 4 areas

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HN_3 = 111ppm Isobutylene
CGI = 50% LEL / 5% O_2
Miran = 2 bag for Freon

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-15-96

Work Areas Checked: West Area
East Area
Wash Trailer

Employees Present in Work Areas: Kurt Ettenger, Pete Farley, Gail Reed, Scott Dent, Grant Muckle, Phil Saltz, Norm Trang, Bob Melsom, Chet Melsom, Dave Dilks, Frank Gerhardt, Alan Merrill, ~~Jim Ayn~~ George Lazarus, Craig Carnes

Equipment Being Utilized: Loader, Dozer(s), Trackhoe, Roller, Skidsteer, water truck

PPE Being Utilized: Level D (mod. Si.) Tyvek, gloves, coveralls, steel toe boots, hard hat, safety glasses and ear plugs when needed

Accidents/Breeches of Procedures:

A can of gasoline was found inside the wash Trailer -- This was discussed at the morning meeting (on 9-16-96)

John App
Licensed Surv.

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: August 15, 1990

Work Performed	No. Hours	Misc. Information
Cross-sections and Toe staking Pit Run	10	2 man Crew
	Total	
	10	Signatuer of responsible par

Craig Canavan

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 16 [illegible] 1991

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6 44 / 12:24	3:55 /	
C-2 L. Dekker	6 44 / 12:24	3:55 /	
C-3 P. Porter	6:32 / 2:45	2:10 / [illegible]	12:24
C-4 A. Muellerleile	7:10 / 1:31	10:04 / [illegible]	12:32
C-5 C. Ettinger	6 50 / 11:57	12:28 / 3:32	
C-6 F. Gontowski	11:52 /	/	
C-7 C. Chang	7:02 / 1:51	3:53 /	
C-8 J. App	/	/	
C-9 G. Lazusky	6 52 / 5:33	/	
C-10 C. Carrow	6 52 / 5:35	/	
C-11 B. Mckim	6 31 /	/	
C-12 C. Mckim	6 36 /	/ 6:30	
C-13 G. Reid	6:14 / 4:48	/	
C-14 N. Tracy	6 46 / 5:33	/	
C-15 G. Maichele	6 25 / 12:49	1:03 /	
C-16 S. Hunt	6:22 / 1:52	2:13 / 6:07	
C-17 P. Smith	6 17 / 5:33	/	
C-18	/	/	
C-19 Jim Ahm	2:55 /	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swan	6:43 / 12:12	12:39 / 4	
E-5 C. Bixby	12 46 / 4:56	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	7:23 / 11:59	12:06 / 1:30	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	5:57 / 2:00	/	
S-4 T. Cobb	1:52 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - BELLEVILLE

TRIP LOG FORM

Date: ~~14~~ 15 August 1990

No./Name	Time In/Out	Time In/Out	Time In/Out	Remarks
A-1 7:24/7:29	9:00/9:15	12:50/12:58	12:34/12:44	2:26/2:35	4:06/4:12	5:52/5:53
A-2 7:28/7:31	9:15/9:23	12:00/12:08	12:45/12:52	2:28/2:35	4:12/4:18	6:02/6:03
A-3 7:30/7:41	9:24/9:31	11:57/12:09	12:21/12:31	2:54/3:03	4:37/4:45	6:19/6:24
A-4 7:49/7:56	9:42/9:46	11:30/11:37	11:36/11:44	3:41/3:50	5:40/5:59	
A-6 7:49/7:57	9:42/9:50	11:30/11:35	11:45/11:55	3:42/3:50	5:40/5:59	
A-7 7:54/8:01	9:34/9:41	11:11/11:16	12:49/12:55	2:30/5:25		
A-8 7:57/8:05	9:46/9:53	11:35/11:42	11:15/11:23	2:11/3:05	4:44/4:46	6:24/6:29
A-9 8:51/8:58	10:30/10:36	12:55/13:14	1:46/1:52	3:24/3:31	5:09/5:15	
A-10						

No	Driver	Carrier
A-1	Diane Tingue	Preston Trucking
A-2	Don Gibbs	Preston Trucking
A-3	Jeff Bugeman	Bugeman & Sons Trucking
A-4	Cindy Balcom	Bliven Trucking
A-6	Bob Cline	Gary Baker Trucking
A-7	Mickey Clark	Norm Ungerman
A-8	Tim Vogel	Norm Ungerman
A-9	Clint Cosel (Owner)	Bill Reinhardt (Driver)
A-10		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

15

Date: ~~Fe~~ October '96

No./Name	Time In/Out	Time In/Out	Remarks
Dan Johnson	7:41/7:42		
Charlie Joyce	7:22/7:23		To see C Stiles
UPS	10:15/10:16		2 pkgs out
Carl Palmerton	11:25/11:32		Pioneer Transport
Fed Ex	1:47/1:52		2 pkgs out
Steam Clean	2:10/2:53		
Chache Baker	3:41/3:45		To see D Dekker
UPS.	4:20/4:21		Final pickup

- D DEKKER
- L DEKKER
- P Porter
- F Ciesielski
- C Chang
- A Mueller
- C Swann
- J Mihm
- B McKim
- ~~C Mckim~~
- G Machele

All still working

PROJECT ENTRY PERMIT

DATE: 8-15 TIME IN: _____ TIME OUT: 7:20pm

NAME: LaTonia Dekker

COMPANY: Comm

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-15 TIME IN: _____ TIME OUT: 7:20

NAME: Donna Dekker

COMPANY: Comm

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-15 TIME IN: _____ TIME OUT: 7:40

NAME: P. Porter

COMPANY: Cardno

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-15 TIME IN: _____ TIME OUT: 6:45

NAME: G Michele

COMPANY: Canonie

BADGE No: C-15

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-16-90 TIME IN: _____ TIME OUT: 6:45

NAME: Bob McKim

COMPANY: CANONIE

BADGE No: C-11

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: ~~8/15/90~~ TIME IN: 6:40 AM TIME OUT: 7:40 PM

NAME: FRANK GONTOWSKI

COMPANY: CANONIE

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-15 TIME IN: _____ TIME OUT: 7:20

NAME: J. Mba

COMPANY: Canonic

BADGE No: C-19

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-15 TIME IN: _____ TIME OUT: 7:20

NAME: A Mueller-Ie

COMPANY: Canonic

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-15 TIME IN: _____ TIME OUT: 7:20

NAME: C. Chang

COMPANY: Canonic

BADGE No: C-7

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 14, 1990

Arrived at 6:45 a.m.
Plan of Day:

- °Collect TPH samples to replace samples delayed by Federal Express.
- °Commence clearing East Dike.
- °Resume key trench excavation from station 0 to 5.

Field Observations and Activities:

Observed sampling activities between station 7+50 and 8. Leaving sampling pits open for Arco representatives, who will be on site later today. All samples will be Federal Expressed to California lab, with results expected Thursday.

Contractor commenced clearing East Dike.

Completed excavation of key trench (station 0-5). No odor past 4+75, W.T. below trench bottom. Contractor excavated below W.T. on ± 50 centers to determine limit of floating oil.

Grader working over clay surface on NY Dike in afternoon in preparation for restart of clay on Wednesday.

Four Arco people (W. Simmons, M. Turko, J. Zannes, D. Smith) on site to view oil on groundwater and discuss R.O.W. on East side. They agreed oil on groundwater was a different problem which would not affect current work. Showed them areas to be overexcavated and hauled to CELA during brief ride by, which were not anticipated in contract quantities.

R.O.W. clear on Simons and Spencer property, pending on Shorts and Babbit per Mike Turko.

TPH samples taken on 50 centers from station 5 to 9+50 from bottom 3 feet of trench.

Left site at 3:00 p.m. to drive Mike Turko and John Zannes to Buffalo Airport. Inspected clay borrow pit on return.

cont.

RECEIVED
AUG 15 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 8/14/90 DAY: Tuesday HRS.WRK. 10 REPORT NO. 45

WEATHER INFORMATION:

TEMPERATURE: High 82 Low 55 WIND: Mph. 5-10 Dir. SW

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM - PM 4'6"

PERSONNEL: NON MANUAL EBASCO.C.M. CANONIE.P.S. 1

	F.E/I	1	R.E. 1
	H&SO		P.E.
	C/SE		QCM 1
	P.M.		H&SO
	HOP		P.M.
	"		P.SEC
	"		HOP
ARCO	P.M.	1	"
OTHERS		3	CANONIE SUB. Hoy Excavating
"			SUPV. 1 EMPS.
USCOE/EPA		1	SUB.
"			SUPV. EMPS. 7
VISITORS	Sec. Security Log		

MANUAL CANONIE GEN. Labor Equip. Oper.
Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	10			
" 12G	10			
(Sheep)Compactor		Stand by		
(Smooth) "		Stand by		
Canonie Wtr. Trk	10			
Hertz Wtr.Trk				
ACPR.		Stand by		
Chipper	10	"		
Generator / Steam Genny		Stand. by		
½ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY Start Clearing E Bank Sta. 0+50
Environmental & TP11 Samples to be retaken from
Sta 9+50 to through Sta 5+00 Continue key trench
Clean out foundation of N. Pike at Sta 15+50 to 16+00

SAFETY No hazards required on east bank. Required hard hats, Steel toe boots safety glasses (w/side shield) & recommend gloves.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK ED # 602 (Construct W. Bank key trench)
102 (Collect & Analyze Contaminated Soils)
202 (Stake out W. Pike)

EAST BANK ED # 404 (Clear E. Bank)

RIVER (Any activity performed in water or gravel bar)

OTHER

PAGE: _____ OF ___

FIELD ENGINEERING ACTIVITIES: (surveyors)

Toe Staking w/ Back of P.L.

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	STA 2+30	A-1			X	
2	STA 1+50	A-3			X	
3	STA 2+30	A-11	S.I.I Fine		X	
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

03263

03266

Attach report required by Contract Document

COMMENTS Samples taken according to the SAP. C/I Swan observed only 2 of the locations Sampled. (Sta 7+50 & Sta 8+00) He was unavailable to observe the other 9 sample locations.

TECHINICAL CONCERNS/PROBLEMS:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	0.33	KE TRENCH WST.	CY	986.7
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
(sample Area) WASTE MATRL.	CY	96	RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY	986.7	SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	1200		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

8- -1-

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod	2, 6, 2	16, 60, 2
"D"		
"C"	2	2
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0900	9+75-10R	HNu	Real Time	0.5 ppm
2	0801	9+75-10R	Minirum	R.T	0.00 mg/m³
3	0802	9+75-10R	CGI	R.T	20% O₂, 0% LEL
4	0921	7+00-10R	HNu	R.T	0.5 ppm
5	0922	7+00-10R	Minirum	RT	0.00 mg/m³
6	0923	7+00-10R	CGE	R.T.	20.3% O₂, 0% LEL
7	1013	5+50-10R	HNu	RT	0.5 ppm
8	1014	5+50-10R	Minirum	R.T.	0.00 mg/m³
9	1015	5+50-10R	CGI	R.T.	20.4% O₂, 0% LEL
10	1107	4+80-10R	HNu	R.T	6 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0900	N of CELA	3/Truck/Hoe	Modified D	None
2	1505	NE of CELA	3/Truck/Hoe/Dozer	Modified D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: 0

Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Accidents or Incidents to report

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 515
King of Prussia, Pennsylvania 19406
215-337-2...

Sheet 2

BY Pete Porter | CONTRACTORS SUPERVISOR | DATE 8/17/90 | HOURS ON SITE 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville, Ny | WEATHER & TEMPERATURE

JOB NO: 88-093 | LOCATION OF WORK W Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

601 (Construct W. Bank Key Trench)
- Completed key trench from Sta 5+00 - Sta 1+50
- No oil was found
- excavation did not reveal the water level
- Sta 4+25 - Sta 4+85
  - bricks and concrete were found 1' deep
  - Soil was dark silty sand mixed with bricks
- All the soil was suitable for backfill

102 (Collect & Analyze Contaminated Soils)
- CC sampled from Sta 9+50 - Sta 5+00 at 50 foot increments.
- took additional Sample (requested by Col Swan) in an area where drums were reported to be was found at Sta 7+25
- No Sampling was required after Sta 5+00
- Samples were taken to Fed Ex in Rochester for shipment to Stockton Lab.
- Results Expected on TPH samples Friday 8/17

202 Stake out W Dike
- Toe Staking W Bank of Dike

OTher : Cleared out foundation of NY Dike where Canonie is required to tie in. Removed trees trunks, stumps and branches.
4 loads (unusable) - 96 cy

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Canonie Environmental
500 N. Gulph Road, Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY Pete Porter CONTRACTORS SUPERVISOR | DATE: 9/17/90 HOURS ON SITE 10½

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: E. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

@ 404 (Clear E Bank)
- Started clearing east bank at sta 0+50 and completed through sta 2+30.
- Silt fence was installed during the clearing operation up through sta 2+30
- The 3 strand barb wire fence was also installed during the operation.
(230')(50')/43,560 = .33 ac

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-1
SHEET ____ OF ____

CLEARING AND ~~GRUBBING~~ L & L

INSPECTION DATE 8/14/96

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- AREA TO BE CLEARED IS STAKED BY THE SURVEY CREWS TO CONFORM WITH THE CONTRACT DRAWINGS.	X		
- DIKE FOUNDATION AREA IS STAKED AT 50' MAXIMUM SPACING ALONG DIKE AND ELEVATIONS AND LOCATIONS ARE RECORDED.			X
- AREA IS FREE OF TREES, BRUSH, LOGS, LIMB WOOD, RUBBISH AND OTHER OBSTRUCTIONS.	X		
- STUMPS, ROOTS LARGER THAN 1-1/2 INCHES IN DIAMETER AND DECAYED MATTER REMOVED TO AN 18" DEPTH FROM AREA REQUIRING GRUBBING.			X

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 0+50 TO 2+30

4. REMARKS _____

INSPECTOR Rick Porter DATE 8/15/96

REVIEWED BY David Weidner DATE 8/15/96

FORM A-1
SHEET ____ OF ____

EXCAVATION FOR KEY TRENCH
TOE PROTECTION TRENCH

INSPECTION DATE 8/14/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X	____	____
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X	____	____
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X	____	____

2. DUST CONTROL

ACTION TAKEN ____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 5+00 TO 1+30

4. REMARKS Sta 4+25 - 4+80 bricks and pieces of concrete were discovered mixed in with a black silt/sand. Remaining of excavation recovered suitable material for back fill

INSPECTOR Peter Porter DATE 8/15/90

REVIEWED BY David Kirkton DATE 8/15/90

FORM A-11
SHEET ____ OF ____
INSPECTION DATE 8/14/96

EROSION AND SEDIMENT CONTROL

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 0+50 TO 2+30

OTHER E. Bank

4. REMARKS Silt Fence was installed according to the Erosion + Sediment control Plan

INSPECTOR P. Parker DATE 8/15/96

REVIEWED BY R. Nichols DATE 8/15/96

AM Activities: Sampling of Key Trench soils from 9+75-9+00, excavation of Key Trench excavation at ± 1045-1100 from 5+00, also crew on East Bank cutting & clipping Trees.

PM Activities: Excavating of Key Trench down to 1+30, moving soil/Tree stumps, logs at 16+00, clearing & cutting on East Bank

Time 0750, Temp ± 60°F, cloudy, humid NW wind

Time 1250, Temp ± 75°F, PC cloudy, NW wind (SW wind at 16+00)

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
~~1-90~~						
7/14/90-0800	9+75-10R	HNU	PI101	CH4 = 111ppm Isobutylene 86 = 0.5ppm 2-way for zeroing	0.5ppm	Real Time
7/14/90-0801	9+75-10R	Miniram	PDM-3		0.00mg/m3	R.T.
7/14/90-0802	9+75-10R	CGI	261	19.5% O2, 50% LEL	20% O2, 0% LEL	R.T.
7/14/90-0921	7+00-10R	HNU	PI101	Same	0.5ppm	R.T.
7/14/90-0922	7+00-10R	Miniram	PDM-3	Same	0.00mg/m3	R.T.
7/14/90-0923	7+00-10R	CGI	261	Same	20.3% O2, 0% LEL	R.T.
7/14/90-1013	5+50-10R	HNU	PI101	Same	0.5ppm	R.T.
7/14/90-1014	5+50-10R	Miniram	PDM-3	Same	0.00mg/m3	R.T.
7/14/90-1015	5+50-10R	CGI	261	Same	20.4% O2, 0% LEL	R.T.
7/14/90-1107	4+80-10R	HNU	PI101	Same	0.5ppm	R.T.
7/14/90-1108	4+80-10R	Miniram	PDM-3	Same	0.00mg/m3	R.T.
7/14/90-1109	4+80-10R	CGI	261	Same	20.2% O2, 0% LEL	R.T.
7/14/90-1301	4+00-10R	HNU	PI101	Same	0.5ppm	R.T.
7/14/90-1302	4+00-10R	Miniram	PDM-3	Same	0.00mg/m3	R.T.
7/14/90-1411	2+00-10L	CGI	261	Same	20.2% O2, 0% LEL	R.T.
7/14/90-1412	2+00-10L	HNU	PI101	Same	0.5ppm	R.T.
7/14/90-1413	2+00-10L	Miniram	PDM-3	Same	0.00mg/m3	R.T.
7/14/90-1551	16+00-20R	CGI	261	Same	20.2% O2, 0% LEL	R.T.
7/14/90-1554	16+00-20R	HNU	PI101	Same	0.5ppm	R.T.
7/14/90-1555	16+00-20L	Miniram	PDM-3	Same	0.00mg/m3	R.T.
		CGI	261	Same	20.4% O2, 0% LEL	R.T.

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-14-90

Work Areas Checked: N of CELA
NE of CELA

Employees Present in Work Areas: Kurt Ettinger, Norm Tracy, Pete Foster, Clint McKim, Chris Chaney, Adam Mullendore, Jon Arp, George Lazuk

Equipment Being Utilized: Truckloc, dozer, water Truck

PPE Being Utilized: level D and Red, level C

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-14-90

Equipment: HNO_3, Miniram, CGI

Real-Time Air Monitoring Results and Work Area

HNO_3 readings while excavating Key Trench at 4+50 = 5-10 ppm on B.Z. Readings elsewhere on CGI, HNO_3, Miniram all at background level.

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNO_3 = 111 ppm Isobutylene
CGI = 15% O_2, 50% LEL
Miniram = Z-bag for zeroing

John App
Licensed Sur[illegible]

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: AUG 14, 1990

Work Performed	No. Hours	Misc. Information
TOE STAKEING WEST BANK OF DIKE	10	2 MAN
	Total	
	10	

Signatuer of responsible p[illegible]

Canonie Environmental

Equipment Inspection Sheet

PROJECT No.: 88-053

INSPECTED BY: _____

INSPECTION DATE: ___ / ___ / ___

PROJECT NAME: Sinclair Refinery Site LOCATION: Wellsville, NY

EQUIPMENT	CANONIE INVENTORY No.	LEASED EQUIPMENT S/N	TYPE OF INSPECTION			Note any leaks COMMENTS Note Any Problems!
			VISUAL	FLUIDS*	OTHER	
Cat 235 track hoe				Oil ✓ Hyd ✓ Water ✓ Coolant ✓	Fire Extinguisher ✓ Back up Alarm ✓ roll over protection ✓	present ✓ pressure ✓ Works ✓ Present Work ___ Yes ✓ No ___
D.6 Bull dozer				Oil ✓ Hyd ✓ Water ✓ Coolant ✓	Fire Extinguisher ✓ Back up Alarm ✓ roll over protection ✓	Present ✓ Pressure ✓ Works ✓ Broken ___ Yes ✓ No ___
12g grader				Oil ✓ Hyd ✓ Water ✓ Coolant ✓	Fire Extinguisher ✓ Back up Alarm ✓ roll over protection ✓	Present ✓ Pressure ✓ Works ✓ Broken ___ Yes ✓ No ___
963 track loader				Oil ✓ Hyd ✓ Water ✓ Coolant ✓	Fire Extinguisher ✓ Back up Alarm ✓ roll over protection ✓	Present ✓ Pressure ✓ Works ✓ Broken ___ Yes ✓ No ___

90-05

* OIL, HYDRAULIC FLUID, COOLING SYSTEM, FUEL (IF APPLICABLE)

Canonie Environmental

Equipment Inspection Sheet

PROJECT No.: 88-093

INSPECTED BY: _____

INSPECTION DATE: ___ / ___ / ___

PROJECT NAME: Sinclair Refinery Site LOCATION: Wellsville NY

EQUIPMENT	CANONIE INVENTORY No.	LEASED EQUIPMENT S/N	TYPE OF INSPECTION			Note any Leaks COMMENTS Note any Problems
			VISUAL	FLUIDS *	OTHER	
Compactor	X	X	✓	Oil	Fire Extinguisher	Present ✓ Pressure ✓
			✓	Hyd	Back-up Alarm	Works ✓ Broken ___
			✓	TRANS	roll over Protection	Yes ✓ No ___
			✓	COOLANT		
Water Truck		X	✓	Oil	Fire Extinguisher	Present ✓ Pressure ✓
			✓	TRANS	Back-up Alarm	Works ✓ Broken ___
			✓	COOLANT		ENT OIL LEAK, TRANS OIL LEAK
						STEERING OIL LEAK,
Air Compressor	X		✓	Oil	Safety locks	
			✓	COOLANT	Hoses	
Eager Beaver Chipper	X		✓	Oil ✓		
			✓	Hyd ✓		
			✓	COOLANT		
½ ton Pick-up		X	✓	Oil	Fire Extinguisher	Present ✓ Pressure ✓
			✓	TRANS		
			✓	COOLANT		
Smooth Drum Roller	X		✓	Oil ✓	Fire extinguisher	Present ✓ Pressure ✓
				Hyd ✓	Back-up Alarm	Works ✓ Broken ___

90-05

* OIL, HYDRAULIC FLUID, COOLING SYSTEM, FUEL (IF APPLICABLE)

CanonieEnvironmental

Equipment Inspection Sheet

PROJECT No 88-023

INSPECTED BY _____

INSPECTION DATE ___ / ___ / ___

PROJECT NAME: Sinclair Refinery Site LOCATION Wellsville NY

EQUIPMENT	CANONIE INVENTORY No.	LEASED EQUIPMENT S/N	TYPE OF INSPECTION			Note any Leaks COMMENTS Note any Problems
			VISUAL	FLUIDS	OTHER	
D-5	X		✓	Oil ✓ Hyd ✓ TRANS	Fire Extinguisher Back up Alarm roll over Protection	Present ___ Pressure ___ Work ___ Broken ___ Yes ✓ No ___
Hertz Water Truck ?		X		Oil	Fire Extinguisher Back up Alarm	Present ___ Pressure ___ Work ___ Broken ___
Mechanic Truck	X		✓	Oil ✓ ~~Hyd~~ ~~TRANS~~	Fire Extinguisher	Present ✓ Pressure ✓

CANONIE ENVIRONMENTAL CHAIN-OF-CUSTODY RECORD

(See Reverse for Instructions)

LAB PROJECT NO

PROJECT NAME PRCP Wellsville

PROJECT NUMBER 98-093

RECORDER

SAMPLERS (PRINT) Pete Porter

(Signature)

SAMPLE CONTAINER DESCRIPTION CODES	SAMPLE DESCRIPTION CODES	LAB CODE
A Glass VOA vial	A Ground Water	
B Glass 1 gal	B Surface Water	
C Plastic Bag	C Waste	
D Plastic Bottle	D Soil	
E Brass Tube	E Sediment	
F Other See Notes	F Other	HOLD

DATE	TIME	SAMPLE ID	Sample Matrix	Sample Type	Container Code	Preservative Code	HCl	Filtered (Y/N)	CLP TCL VOC	CLP TCL BNA	CLP TCL METALS	Turnaround Time	NOTES	ASSIGNED BOTTLE NUMBERS	SAMPLE CONDITION UPON RECEIPT	NOTES
8/14	9:50	SD-T506-01 (STA. 7+50)	A	E	2				X	X	X	10 DAY				
	9:53	SD-T506-01	F	E	1				X	X	X					
	9:55	SD-T506-01	F	E	1				X	X	X					
	11:40	SD-T511-01 (STA. 5+00)	A	E	2				X	X	X					
	11:43	SD-T511-01	F	E	1				X	X	X					
	11:45	SD-T511-01	F	E	1				X	X	X					
	~~13:06~~	~~SD-FB02-01~~	~~B~~	~~D~~												
	13:08	SD-FB02-01	A	D	1				X	X	X					
	13:10	SD-FB02-01	A	D	1				X	X	X					
	13:26	SD-FB02-01	B	D	1				X	X	X					
	13:31	SD-FB02-01	B	D	4				X	X	X					
		SD-TB02-01 (TRIP BLANK)	A	H	2				X			4.6 MONTH				
	11:40	SD-T511-01D	A	D	2				X	X	X					
	11:43	SD-T511-01D	F	E	1				X	X	X					
	11:45	SD-T511-01D	F	E	1				X	X	X					

ANALYSIS REQUESTED

LABORATORY USE ONLY

NOTES/MISCELLANEOUS

(1) TB02. GLASS JAR - 1 FOR EA. ANALYSIS REQUESTED
AMBER JAR FOR BNA SAMPLE

Relinquished By (Signature)		Received By (Signature)	Date / Time
		SEE FEDEX AIRBILL	8/14/98
Relinquished By (Signature)		Received By (Signature)	Date / Time
Relinquished By (Signature)		Received By (Signature)	Date / Time
Dispatched By (Signature)	Date / Time	Received for lab By (Signature)	Date / Time
	8/14/98 18:45		

Method of Shipment	Description of Transport Container	Other Chains-Of-Custody Transported with this Chain (by Serial No.)
FEDEX PRIORITY OVERNITE	COOLER	

Send Lab Results to (Name) JOE CLAFFORD (Check Office Below) Verbals Requested Yes X No

PORTER
TEL (219) 926-8651
FAX (219) 926-7169

SAN MATEO
TEL (415) 573-8012
FAX (415) 573-5601

IRVINE
TEL (714) 757-1755
FAX (714) 757-0960

ORLANDO
TEL (407) 856-7430
FAX (407) 855-2595

OTHER
TEL
FAX

DENVER
TEL (303) 790-1737
FAX (303) 790-0186

KING OF PRUSSIA
TEL (215) 337-9551
FAX (215) 337-9560

HOUSTON
TEL (713) 556-1060
FAX (713) 556-0665

MT. VIEW
TEL (415) 960-1640
FAX (415) 960-0739

OTHER
TEL
FAX

CANONIE ENVIRONMENTAL LABORATORY • 212 FRANK WEST CIRCLE SUITE A • STOCKTON, CA 95206 • TEL (209) 983-1340 • FAX (209) 983-0164

COC No. 63263

White: Lab Copy Yellow: Client Copy Pink: Laboratory Copy

[redacted] CANONIE ENVIRONMENTAL CHAIN-OF-CUSTODY RECORD [redacted] LAB [redacted] JOB [redacted]

(See Reverse for Instructions)

NO.

PROJECT NAME PRCP Wellsville

PROJECT NUMBER 68-093

RECORDER

SAMPLERS PETER F. PORTER
PRINT
(SIGN)

SAMPLE CONTAINER DESCRIPTION CODES
A 40 ml VOA vial
B 1 liter amber
C 1 liter plastic
D 500 ml plastic
E 250 ml plastic
F Brass Tube
Other SEE NOTES

SAMPLE DESCRIPTION CODES
A Ground Water
B Surface Water
C Leachate
D Domestic
E Industrial
F Soils
G Waste Sample
Other

TAT CODES

DATE	TIME	SAMPLE ID										NOTES	ASSIGNED BOTTLE NUMBERS	SAMPLE CONDITION UPON RECEIPT	NOTES
					HCL			TPH							
8/14	8:15	SD-T302-01 (STA. 9+50)	F	E	1					3	10 DAY				
	8:46	SD-T303-01 (STA. 9+00)	F	E	1					3					
	9:03	SD-T304-01 (STA. 8+50)	F	E	1					3					
	9:18	SD-T305-01 (STA. 8+00)	F	E	1					3					
	9:54	SD-T306-01 (STA. 7+50)	F	E	1					3					
	10:16	SD-T307-01 (STA. 7+00)	F	E	1					3					
	10:32	SD-T308-01 (STA. 6+50)	F	E	1					3					
	10:46	SD-T309-01 (STA. 6+00)	F	E	1					3					
	11:12	SD-T310-01 (STA. 5+50)	F	E	1					3					
	11:40	SD-T311-01 (STA. 5+00)	F	E	1					3					
	13:46	SD-T312-01 (STA. 7+25)	F	E	1					3					
8/14	13:05	SD-FB02-01	B	D		1									
8/14	11:44	SD-[redacted] (STA. 5+00)	F	E	1										

NOTES / MISCELLANEOUS

(1) 8 oz. Jar - 1 Per Each Analysis Requested

(2) Group Tests By Adjacent Sta. #'s

Relinquished By (Signature)

Relinquished By (Signature)

Relinquished By (Signature)

Received By (Signature) Date Time

FEDEX's See Airbill 8/14

Received By (Signature) Date Time

Received By (Signature) Date Time

Received for Lab By (Signature) Date Time

Method of Shipment: FEDEX Priority Overnite

Description of Transport Container: Cooler

Other Chains-Of-Custody Transported with this Chain (by Serial No.)

Dispatched By (Signature): 8/14/90 18:40

Send Lab Results to (Name) Joe Clifford (Check Office Below) Verbals Requested Yes X No

PORTER
TEL (219) 926-8651
FAX (219) 926-7169

SAN MATEO
TEL (415) 573-8012
FAX (415) 573-5684

IRVINE
TEL (714) 757-1755
FAX (714) 757-0960

ORLANDO
TEL (407) 856-7428
FAX (407) 855-2595

OTHER
TEL
FAX

DENVER
TEL (303) 790-1747
FAX (303) 799-0180

X [redacted] OF PRUSSIA
TEL (215) 337-2551
FAX (215) 337-0880

HOUSTON
TEL (713) 667-1660
FAX (713) 556-0660

MT. VIEW
TEL (415) 960-1640
FAX (415) 960-0739

OTHER
TEL
FAX

CANONIE ENVIRONMENTAL LABORATORY • 212 FRANK WEST CIRCLE SUITE A • STOCKTON, CA 95206 • TEL (209) 983-1340 • FAX (209) 983-0804

White - Lab Copy Yellow - Project Copy Pink - Laboratory Copy

Lab No. 03266

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 1-9 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:46 / 7:36	7:57 / 9:27	10:12/4:41 4:57/
C-2 L. Dekker	6:40 /	/	
C-3 P. Porter	6:17 / 2:45	3:36 /	
C-4 A. Muellerleile	7:27/12:10	12:54 / 3:52	4:17/
C-5 C. Ettinger	6:55 / 12:10	12:21 / 5:53	
C-6 F. Gontowski	6:29 / 2:41	3:27 /	
C-7 C. Chang	6:59 / 12:18	12:54 /	
C-8 J. App	6:49 / 5:34	/	
C-9 G. Lazusky	6:45 / 5:34	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:38 / 7:24	8:19 / 8:21	11:55/12:2 5:05/5:40
C-12 C. Mckim	6:38 / 7:24	8:19 / 8:21	11:55 / 5:31
C-13 G. Reid	6:38 / 7:24	11:55 / 12:40	5:17/5:40
C-14 N. Tracy	6:48 / 5:40	/	
C-15 G. Maichele	6:15 / 7:09	7:19 / 7:30	5:19/5:36
C-16 S. Hunt	6:15 / 7:25	8:02 / 8:12	11:53/12:40 3:16/3:23 5:08/5:[illegible]
C-17 P. Smith	6:40 / 7:24	11:55 / 12:40	~~11:55~~ 5:05/5:46
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C Swan	6:49 / 12:01	12:33 / 2:36	
E-5	/	/	
A-1 M. Twiko	1:24 / 2:36	/	
A-2 Simmons	1:24 / 2:00	/	
A-4 Smith	1:24 / 2:36	/	
A-5 Timms	1:24 / 2:00		
C/E-1 D. Stubbs	7:12 / 11:26	12:51 / 2:05	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	11:36 / 11:38	/	
S-3 Jerry Palmer	5:56 / 2:00	/	
S-4 T. Cobb	1:52 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 1st August - 1990

No./Name	Time In/Out	Time In/Out	Remarks
Dan Schnehle	8:21/8:26		Job applicant
Rick Scott	9:20/9:50		Sharp Well Co
UPS	10:45/11:44		
Grant Dean	1:51/2:06		Dean Septic Service
Fed Express	2:59/3:06		Spec. delivery
Charlie Baker	3:22/3:58		To see D. DEKKER
UPS	3:25/3:29		2 pcs pickup
Tom Chaney	3:30/4:08		Job applicant

D DEKKER
L DEKKER
P Porter
F. Gontomski
C Chaney
A MacMerchie

→ All Still working

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: [illegible]

No./Name	Time In/Out	Time In/Out	Remarks
A-3 12/10/ 5:12			
A-			
A-			
A-			
A-			
A-			

A-3 Manley Clark Engerman

PROJECT ENTRY PERMIT

DATE: 8-14-90 TIME IN: _____ TIME OUT: 7pm

NAME: [illegible] Dekker

COMPANY: Conner

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-14 TIME IN: _____ TIME OUT: 7pm

NAME: Dave Dekker

COMPANY: Conner

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-14 TIME IN: _____ TIME OUT: 7:20 pm

NAME: F. Gontowski

COMPANY: Canon

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8·14 TIME IN: 7:00 TIME OUT: 7:30

NAME: A. MUELLENEIT

COMPANY: CANONIC

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

---

PROJECT ENTRY PERMIT

DATE: 8/ TIME IN: _____ TIME OUT: 7:30 Pm

NAME: / / A.

COMPANY: [illegible]

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

---

PROJECT ENTRY PERMIT

DATE: 8-14-90 TIME IN: _____ TIME OUT: 6:56 pm

NAME: CHIA CHANG

COMPANY: CANONIC

BADGE No: C-7

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 13, 1990

Arrived at 6:45 a.m.
Plan of Day:

- °Start clay hauling from Ungerman pit to NY Dike.
- °Remove unsuitable soil/organic stock piles adjacent to Lagoon and haul to clean waste pile.
- °Complete removal of oil skim at station 10 and re-grade stockpiled pit run gravel.

Field Observations and Actities:

Discussed spreading and compaction methods with Canoie supervision. Lift thickness and uniform compaction was stressed as a requirement in the work.

Discussed need for level "C" protection in light of 100 + HNU readings during key trench excavation. This will be enforced during trench backfilling between station 5 and station 10.

Contractor started clay placements adjacent to NY Dike, there were 7 trucks hauling. Completed 1½ lifts when shut down by rain at 1:30 p.m.

Directed 3 additional samples in key trench (total 11) in view of high HNU readings, which are to be tested for oil and grease %.

Federal Express lost key trench samples sent on Saturday, will resample on 8/14/90 and resubmit.

Left site at 6:00 p.m.

RECEIVED
AUG 14 1990
EBASCO/ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 8/13/90 DAY: Monday HRS.WRK. 10½ REPORT NO. 19

WEATHER INFORMATION:

TEMPERATURE: High 83 Low 62 WIND: Mph. 05 Dir. SE

PRECIPITATION: 1.1 HUMIDITY: ____ RIVER EL: AM 431 PM 431

PERSONNEL: NON MANUAL EBASCO.C.M. ____ CANONIE.P.S. 1

		F.E/I 1	R.E. 1
		H&SO ____	P.E. 1
		C/SE ____	QCM 1
		P.M. ____	H&SO 1
		HOP ____	P.M. ____
		" ____	P.SEC 1
		" ____	HOP ____
	ARCO	P.M. ____	" ____
	OTHERS	____	CANONIE SUB. App Surveyors
	"		SUPV. 1 EMPS. 1
	USCOE/EPA	1	SUB. ____
	"	____	SUPV. ____ EMPS. ____
	VISITORS	See Security log	

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 7
Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5		Stand by		
" 12G	10			
(Sheep)Compactor	10			
(Smooth) "			8	
Canonie Wtr. Trk	10			
Hertz Wtr.Trk				
ACPR.		Stand by		
Chipper		Stand by		
Generator / Steam Genny	10			
½ ton pick up	10			
Mechanic Truck & Tools	1			

MEETINGS:

PLAN OF DAY Start Hauling in the riprap base will be brought up at 1' increments. Remove unsuitable material from temporary stockpile area and haul to site. Place at Sta 11+00 - 12+50. Clean up of pads (Sta 9+30)

SAFETY No excavation in trench until monitored and probably will require level C protection

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 601 (Raise N. Rte)
202 (Stake out work Rte)
203 (Const. Control work)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	246.5
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY	552	RIP-RAP MATRL.	TON	
OIL STAIND (mtl to CELL) →	CY	24	ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY	321.5	ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	150		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

(#105) Set offset Control for toe Stakes 11+50 - 14+00

(#102) Set toe (LAR) stake

Slope Stake Reviews and Computations

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	sta 20+00 - sta 19+00	A.F	Clay		X	
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

8-13-90

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	7, 2, 2	56, 2, 2
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1043	5+25-15R	HNu	Real Time	0.5 ppm
2	1044	5+25-15R	Miniram	R.T.	0.00 mg/m³
3	1045	5+25-15R	CGI	R.T.	19.8% O₂, 0% LEL
4	1056	12+00-25L	HNu	R.T.	0.5 ppm
5	1057	12+00-25L	Miniram	R.T.	0.00 mg/m³
6	1059	12+00-25L	CGI	R.T.	20% O₂, 0% LEL
7	1139	21+25-20L	HNu	R.T.	0.5 ppm
8	1139	21+25-20L	Miniram	R.T.	0.00 mg/m³
9	1141	21+25-20L	CGI	R.T.	20% O₂, 0% LEL
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1330	E. of CECA	2/Paver	D (modified)	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

NO Accidents or Incidents to report 14 August 1990

Daily Report

Canonie Environmental
500 N Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter — CONTRACTORS SUPERVISOR.

DATE: 5/13/91
HOURS ON SITE 10hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville

WEATHER & TEMPERATURE:

JOB NO: 88-093

LOCATION OF WORK: Lv. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity ID # 601 (Raise NY Dike)

- Started hauling clay from Ungerman Pit
- received 321.5 cy
- placed 246.5 cy
- stockpiled 75 cy due to rain storm

When placing clay, dozer (D6) leveled off piles dumped by truck and then at least 4 passes were made with the sheepsfoot compactor (815B) Due to rain storm, hauling of clay was shut down and required testing was unable to be done. Test was directed to be done during placement of the second lift by Cal Swan (Ebasco), in lieu of testing the first lift.

OTHER: Trucked unsuitable material from bottom of backwash that was stockpiled along the silt fence from Sta 11+50 - Sta 13+50 to unsuitable stockpile storage area at Sta 9+50 to Sta 6+50. Material had been previously noted as unsuitable material by Ebasco.

23 loads - 552 cy

- Cleaned up oil pads and booms at Sta 9+25 and placed in cell A

1 load - 24 cy

- Then backfilled with pit run the area where the pads were located

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 5/13/90 | HOURS ON SITE: 10½

PROJECT LOCATION: Sacks - Rotary, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W. Bank (N. Area)

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

- Other. Completed stripping R.R. Rip Rap off face of N. Dike from Sta 8+00 - 11+50.
- Still waiting on approval of where to place the R.R. Rip Rap removed.
- Also waiting on direction of where to move the U.S. Corp pile of R.R. Rip Rap. and approval of change condition to do work as An extra.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FILL MATERIAL ABOVE WATER SURFACE

FORM A-5
SHEET ____ OF ____
INSPECTION DATE 3/13/00

1. MATERIAL	ACCEPT	REJECT	N A
- BORROW MATERIAL OBTAINED FROM BORROW AREA APPROVED BY CONSTRUCTION MANAGER	X	____	____
- FREE OF DEBRIS, ROOTS, ORGANIC OR FROZEN MATERIAL, STONES 3 INCH AND LARGER IN EQUIVALENT DIAMETER	X	____	____
2. PLACEMENT			
- INSPECT KEY TRENCH FOR FREE STANDING WATER AND/OR ORGANIC MATERIAL BEFORE PLACEMENT OF DIKE FILL	____	____	X
- EXISTING GRADE IS SCARIFIED	X	____	____
- MAXIMUM LOOSE LIFT OF 12"	X	____	____
- INSPECT LAYER OF FILL OR EXISTING GRADE FOR PROPER MOISTURE CONTENT (± 2% OF OPTIMUM) PRIOR TO PLACEMENT OF NEXT LIFT.	____	____	____
- SURVEYOR VERIFY DIKE ALIGNMENT, SLOPES, CONFIGURATION AND DIMENSIONS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.	X	____	____
3. VERIFICATION TESTING			
- 1 DENSITY TEST FOR EACH 750 CU. YDS. OR EACH AREA COMPLETED IN ONE DAY WHICHEVER IS LESS (AT LEAST 95% OF MAXIMUM DRY DENSITY)	____	____	____
- 1 MOISTURE CONTENT TEST (BETWEEN +2% AND -2% OF OPTIMUM) FOR EACH 750 CU. YDS. OR EACH AREA COMPLETE IN ONE DAY WHICHEVER IS LESS.	____	____	____

4. DUST CONTROL
ACTION TAKEN: ____

5. FILL LOCATION
DIKE STATION 22+00 TO 19+00

6. REMARKS Testing was not done due to rain storm. Cal Swan (Ebasco) directed that the first test be done in the middle of the 2nd Lift. - Inspector Peter Pitts Date 3/14/00

REVIEWED BY ____ DATE ____

Air Activities: [redacted] from 12+00 area to N end of CELA holding area, placing clay on N.W. side foundation. E of CELA ≈ 21+00 area.

Rain

Time 1030, Temp ≈ 73°F, NW wind, cloudy, high humidity, wind also SW & varying

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
3-13-90-1043	5+25-15R	HNU	PI101	CH_4 = 111 ppm Isobutylene	0-5 ppm	Real Time
3/13/90-1044	5+25-15R	Miniram	PDM-3	B6 = 0.5 ppm		
3/13/90-1045	5+25-15R	CGI	261	≥ 6 sec for zeroing	0.00 mg/m³	R.T.
3/13/90-1056	12+00-25L	HNU	PI101	15% O_2, 50% LEL	14% O_2, 0% LEL	R.T.
3/13/90-1057	12+00-25L	Miniram	PDM-3	Same	0.5 ppm	R.T.
3/13/90-1059	12+00-25L	CGI	261	Same	0.00 mg/m³	R.T.
3/13/90-1138	21+25-20L	HNU	PI101	Same	20% O_2, 0% LEL	R.T.
3/13/90-1139	21+25-20L	Miniram	PDM-3	Same	0.5 ppm	R.T.
3/13/90-1141	21+25-20L	CGI	261	Same	0.00 mg/m³	R.T.
					20% O_2, 0% LEL	R.T.

1200 Rain

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-13-90

Equipment: HNU, Miniram, CGE

Real-Time Air Monitoring Results and Work Area

Background/normal levels found in work areas - N of CECA
E. of CELA - in AM
PM - Rain no. readings taken

Personnel Sampling

None

Name	Date	IWA

Calibration Method for Equipment

HNU = 111ppm Isobutylene
CGE = 15% O_2, 50% LEL
Miniram = Z sag for zeroing

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-13-90

Work Areas Checked: E of CELA
N of CELA

Employees Present in Work Areas: Gail Reid, Phil Smith, Scott Hunt, Grant Mumbelle, Norm Tracy, Clint McKim, Bob McKim, Chris Cleary, Pete Porter, Frank Gontowski, Dave Pekkey, Kurt Ettinger

Equipment Being Utilized: Loader, Dozer, Trackhoe, sheepsfoot, water Truck

PPE Being Utilized: Level D modified - Tyvek (non-poly coated) Gloves (Nitrile, cotton), hard hat, steel Toe boots (Rubber/neoprene)

Accidents/Breeches of Procedures: None

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 14 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:46/12:08	12:55/ 6:12	
C-2 L. Dekker	6:46 /12:08	12:55 / 6:12	
C-3 P. Porter	6:36/	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	7:00/9:40	9:49 /12:06	12:20/4:32 4:44/5:05
C-6 F. Gontowski	6:54 / 2:56	5:06 / [redacted]	
C-7 C. Chang	6:50/12:50	1:19 / 6:21	
C-8 J. App	6:47/ 5:37	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	6:47/5:37	/	
C-11 B. Mckim	6:30/ 3:11	/	
C-12 C. Mckim	6:33 / 3:11	/	
C-13 G. Reid	6:36/ 3:11	/	
C-14 N. Tracy	6:50/ 3:08	3:14/ 5:05	
C-15 G. Maichele	6:24/ 4:25	/	
C-16 S. Hunt	6:26 /8:29	9:18 / 5:05	6:06/6:07
C-17 P. Smith	6:47 /11:57	12:11 / 3:05	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swaon	6:43 / 12:21	12:58/ 5:56	
~~E-5~~ C. Bixby	12:55 /5:13	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:18 /11:57	12:11 /1:28	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	5:53 / 2:02	/	
S-4 T. Cobb	1:53 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 14 August 1990

No./Name	Time In/Out		Time In/Out		Remarks		
A-1	7 53/7 59	9:48/9:53	11:28/11:33	1:35/1:48			
A-2	8:03/2:19						
A-3	8:17/8:29	10:00/10:05	11:45/11:49	12:05; 2:19			
A-4	8:34/8:44	10:28/10:36	12:28/12:38	1:47; 1:50	3:19/3:49		
A-6	8:34/8:45	10:28/10:36	12:28/12:38	3:19/3-49			
A-7	9:30/9:43	11:23/11:28	1:51/2:02				
A-8	12:11/12:15	1:56/2:11					
A-9							
A-10							
E-5							
E-6							
E-7							

A-1	Bob Cline	Davison Trucking
A-2	Manley Clark	Ungerman
A-3	Tim Vogel	Ungerman
A-4	Cindy Balcom	Bliven Trucking
A-6	Gary Baker	Ungerman
A-7	Jeff Bugman	Bugman & Sons
A-8	Boyd Green	Green Trucking
A-9		
A-10		
E-5		
E-6		
E-7		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 14 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
Al Lepovsky	10:37/ 4:33		Beckwith Machinery
FedEx	11:35/11:45		11 piece delivery
Lewis Landon	12:04/12:07		Twin Tree Service
FedEx	1:23/1:24		
Yellow Freight	1:42/1:55		
Bean Clean	1:53/ 3:33		
ADAMS septic	2:09/2:23		
Walter Rabbitt	3:53/ 3:59		To see D. DEKker
UPS	4:07/ 4:08		1pc pickup/1pc delivery
P Porter	Still working		
F Gertowski			

PROJECT ENTRY PERMIT

DATE: 8/14/90 TIME IN: _____ TIME OUT: 5:30

NAME: P Peters

COMPANY: Cascade

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/14/90 TIME IN: _____ TIME OUT: 7:45

NAME: F Gontowski

COMPANY: Cascade

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

John App
Licensed Surv

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: August 13, 1990

Work Performed	No. Hours	Misc. Information
SET OFFSET Control for Toe Stakes. 14+50 To 14+00 SET Toes (L&R) 14+00	5	2 man Crew
Slope stake Review and Computations	5	2 man Crew
	Total	
	10	

Signatuer of responsible par

Craig R Canard

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 12, 1990

Arrived at 6:50 a.m.
Plan of Day:
No scheduled contractor work

Field Observation:
Inspected all work areas.

Odors from key trench and adjacent piles essentially temporarily mitigated.

Oil skim is isolated and contained and essentially absorbed in diapers and booms with no releases to river.

Left site at 10:00 a.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 11, 1990

Arrived at 6:40 a.m.
Plan of Day:

- °Mitigate odors emanating from open key trench.
- °Continue hauling, dumping and spreading pit run gravel in high groundwater areas.
- °Contain and remove oil skim on groundwater surface station 9+50 to station 10.

Field Observations and Activities:

During drive to site at 6:30 a.m., detected noticeable odor along Brooklyn Ave. and extending into populated area of town South of river. Since odor was similar to that emanating from key trench, brought to D. Dekker attention.

In response there to contractor placed 1 to 2 feet of pit run gravel/clean soil cover over oil covered groundwater surface on key trench bottom to mitigate odors.

No complaints or comments were received from local officials or persons and the odor was temproarily mitigated to trace amounts.

Continued to place pit run gravel in key trench and overexcavated area to level above groundwater surface.

Contractor crowding oil skim to one corner of excavation where it is being absorbed by diapers and booms. Since groundwater level has revived, no further oil releases have been noted. There have been no oil released to river.

Contractor removing rip rap from NY Dike at tie in location and stockpiling next to existing rip rap pile. A decision is required on disposition of rip rap piles.

Left site at 6:00 p.m.

RECEIVED
AUG 14 1990

APPROVAL FOR PAYMENT
CONTRACT NO.
RECEIVED
AUG 14 1990
AUG 14 1990
APPROVED BY
EBASCO / ARCO
APPROVAL DATE

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 8/11/90 DAY: Saturday HRS.WRK. 10hrs REPORT NO. 76

WEATHER INFORMATION:

TEMPERATURE: High 88 Low 72 WIND: Mph. 5-10 DIR. NE to E and S

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM 4.35 PM 4.35

PERSONNEL: NON MANUAL EBASCO.C.M. CANONIE.P.S. /

	F.E/I /		R.E. /
	H&SO		P.E. /
	C/SE		QCM
	P.M.		H&SO /
	HOP		P.M.
	"		P.SEC /
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	Ago Surveyors
"		SUPV. /	EMPS. 2
USCOE/EPA		SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log sheet		

MANUAL CANONIE GEN. Labor Equip. Oper. 6

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5		Stand by		
" 12G	10			
(Sheep)Compactor		Stand by		
(Smooth) "	10			
Canonie Wtr. Trk	10			
Hertz Wtr.Trk				
ACPR.		Stand by		
Chipper		Stand by		
Generator / Steam Genny	10			
½ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY Place 6" - 1' of pea gravel in front to help contain petroleum odor. Continue back filling key with pea gravel. Clean and dispose of oil soaked pads in CELR

SAFETY Any more excavation requires level C protection. Stay clear of trench until monitored

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 602 (Construct W. Bank key trench)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

602 (Construct W Bank Key trench)

OTHER Started removing Rip Rap from face of W. Levee up to Sta 16+50 in order to prepare for the new Rip Rap haul to area approved by Col Simms

PAGE: ____ OF ____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	2795.6
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY	2795.6	BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

203 (Construction Survey Control)

Baseline Control work

Slope Staking Sta 10+00 to 16+00 and 17+50

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	5+00 9+25	A-4	F/L Run		X	
2	9+25 - 11+00	A-4	F/L Run		X	
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS See Inspection Sheets

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					
	•	•	•	•	•	•
	•	•	•	•	•	•
	•	•	•	•	•	•
	•	•	•	•	•	•

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

	Number of employees	Total Manhours Exposed
CLEAN:		
"D"mod	12	120
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

For rest Sec. Data Sheet

Sample	Time	Location	Instrument	Sample type	Results
1	8 AM	5'E5'	HNU		1.2 ppm
2	8:10	6'E10	HNU		1 ppm
3	8:21	6'E50	HNU		3 ppm
4	8:50	9'E52	HNU		4 ppm
5	9:30	9'E52	GDI		0% LEL 20.5 O2
6	9:55	8'E50	HNU		1.5 ppm
7	9:15	5'E50	HNU	at Source	8 ppm
8	9:30	5'E00	HNU		.5 ppm
9	9:35	9'E25	Miran		0
10	10:00	5'E50	HNU		3 ppm

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. Emps./Equip.	PPE Level	Violation
1	7:48	Wash/Rinse pad	clean	No	Violation
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: _____

Equipment: In: None Out: _____

Vendors Equipment: In: None Out: _____

ACCIDENTS/BREACHES OF PROCEDURES: None

No.	Time	Location	Emp.N./Equip.N.	Injury/Damage	Response
1					
2					
3					

Accident/Breaches Report: None

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

NO PROBLEMS.

Daily Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 9/10/90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sanofi Refinery, Wilsonville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W Bank key trench

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

EO # 602 (Construct W. Bank key trench)
- placed 1'-6" of pit run in key trench above water level.
- completed back filling key trench from sta 11+00 - Sta 5+00
- Left Sta 9+75 - Sta 9+25 area LF of ℄ to stabilize and allow oil pads to absorb more oil.

Others
- Kept roads watered for dust control
- Started removing rip rap from face of NS Dike from Sta 16+00 - Sta 16+50 and placed in a temporary stockpile area (next to U.S. Corp. Dike of R.p R.p) approved by Carl Swan.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FILL MATERIAL BELOW WATER SURFACE

FORM A-4
SHEET 1 OF 2
INSPECTION DATE 8/1/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- PIT RUN GRAVEL FROM LOCALLY EXCAVATED SOURCES OR SIMILAR MATERIAL FROM OFF SITE SOURCES.	X		
2. PLACEMENT			
- MATERIAL DEPOSITED FROM A HEIGHT LESS THAN TWO FEET ABOVE WATER SURFACE	X		
- MATERIAL BROUGHT TO AT LEAST 6 INCHES ABOVE WATER SURFACE	X		
3. DUST CONTROL			

ACTION TAKEN: _____

4. FILL LOCATION

DIKE STATION 5+00 TO 9+25

5. REMARKS approximately 1.0 : 1.5' of pit run was placed above the water level in the trench to contain the odor & to cover a variable water level in the trench when fill was in process. Carl Swan directed the trench to be filled 6" above the water level.

INSPECTOR Peter Fisher DATE 8/2/90

REVIEWED BY David Wickstrom DATE 8/12/90

FORM A-4
SHEET 7 OF 12
INSPECTION DATE _____

FILL MATERIAL BELOW WATER SURFACE

	ACCEPT	REJECT	N/A
1. MATERIAL			
- PIT RUN GRAVEL FROM LOCALLY EXCAVATED SOURCES OR SIMILAR MATERIAL FROM OFF SITE SOURCES.	____	____	____
2. PLACEMENT			
- MATERIAL DEPOSITED FROM A HEIGHT LESS THAN TWO FEET ABOVE WATER SURFACE	____	____	____
- MATERIAL BROUGHT TO AT LEAST 6 INCHES ABOVE WATER SURFACE	____	____	____
3. DUST CONTROL	____	____	____

ACTION TAKEN: _____

4. FILL LOCATION

DIKE STATION 9+25 TO 11+00

5. REMARKS P.t run fill water brought to a level approx 10" - 15" above the stable water level due to variable water level while back filling.

From Sta 9+25 - Sta 9+35, work was left for water level to stabilize and for the oil pads to finish absorbing the oil.

INSPECTOR Pete Fowler DATE 9/12/90

REVIEWED BY David Nakken DATE 9/12/90

8 AM morning weather [illegible] 10 to noon
25° Low lying fog SE Afternoon

background 0 ppm at wash trailer
8:21 instrument seems to fluctuate between 0-3 ppm (probably due to fog)
9:10 fog & moisture is rising instrument is settling down

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time		Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/11/90	8 AM	Sta. 5+25 roadside	HNU	10.2 eV 08	1.1 ppm Ex. Lights	1-2 ppm	
	8:10	Sta 6+10	HNU	Same	Same	1 ppm	
	8:21	Sta 6+50	HNU	Same	Same	3 ppm	
	8:30	Sta 9+50	HNU	Same	Same	4 ppm	
	8:30	Sta 8+50	OGE			02 L&L 20.5 % O_2	
	8:55	Sta 8+50	HNU	Same	Same	1.5 ppm	
	9:15	Sta ~~8+50~~ 9+50 (left) back of pit ~ at source	HNU	Same	Same	8 ppm	
	9:30	Sta 8+00	HNU	Same	Same	.5 ppm	
	9:35	Sta 8+75	HNU	Same	Same	0.00 ppm	
	10:00	Sta 5+50	HNU	Same	Same	3 ppm	
	10:15	Sta 7+50 in trench after ~2' pit ran	HNU	Same	Same	0 ppm breathing 3-4 ppm source	
	10:20	Sta 9+50	HNU	Same	Same	0 ppm breathing	
	10:33	Sta 5+50	HNU	Same	Same	2 ppm breathing	
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0.[redacted] ppm	[redacted]

afternoon wind 5-10 mph SE

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time		Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/11/90	14:10	In trench Sta 7+00	HNu	7800 LF 0.9	111 ppm Isobutylene	3 ppm	source
						0.5 ppm	breathing
	14:45	Sta 6+00	HNu	same	same	0 ppm	breathing

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 8-11-90

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

None

Job-Related Illness or Injuries

None

Weather Data Morning Fog
Low humidity
Temp 50-80°F
Varying wind

Air Monitoring Summary

- Background/normal levels found on HNu, CGI, Miniram during operations
- The Contamination Storage area "pit" on Top of the CELA yielded readings above by. on the HNu (≈ 2-8 ppm) above) during dumping/dozing. Operation was discontinued before respiratory protection became mandatory
- Sta. 5+25 - Sta 5+00 required respiratory protection during excavation of the trench

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 16 AUG 90

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:48 / [redacted] 1:45	2:10 /	
C-2 L. Dekker	6:48 / 10:49	11:20 /	
C-3 P. Porter	6:43 /	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	7:02 / 5:50	/	
C-8 J. App	6:56 / 5:36	/	
C-9 G. Lazusky	6:56 / 5:36	/	
C-10 C. Carrow	6:56 / [redacted] 5:36	[redacted] /	
C-11 B. Mckim	6:42 / 1:45	2:10 / 5:25	
C-12 C. Mckim	6:45 / 5:30	/	
C-13 G. Reid	6:39 / 5:30	/	
C-14 N. Tracy	6:49 / 5:30	/	
C-15 G. Maichele	6:30 / 6:05	/	
C-16 S. Hunt	6:30 / 7:45	7:53 / 6:03	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 , [redacted]	6:48 / 9:02	9:08 / 11:20	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	6:00 /	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 11 AUG 90

No./Name		IN/OUT	IN/OUT	Time In/Out	IN/OUT	Time In/Out	IN/OUT	IN/OUT	IN/OUT
A-1	*	7:30/7:40	8:57/9:04	10:25/10:32	11:52/11:59	1:14/1:24	2:30/2:38	3:46/3:55	
A-2	•	7:54/7:40	8:45/8:50	9:58/10:03	11:13/11:22	12:37/12:49	2:00/2:08	3:19/3:25	
A-3	•	8:08/8:19	9:35/9:42	11:01/11:15	12:35/12:44	2:08/2:14	3:32/3:38	4:55/5:07	
A-4	*	8:10/8:19	9:38/9:48	11:15/11:2[illegible]	12:48/12:55	2:18/2:25	3:46/3:58	5:02/5:13	
A-6	•	8:12/8:20	9:38/9:47	11:00/11:09	12:15/12:22	1:22/1:36	2:47/2:55	4:10/4:19	
A-7	•	8:15/8:27	9:30/9:[illegible]	10:[illegible]/10:52	11:57/12:06	1:20/1:27	2:35/2:43	3:50/4:00	
A-8	•	8:18/8:25	9:55/10:03	11:18/[illegible]20	12:36/12:47	1:54/2:01	3:10/3:18	4:26/4:3[illegible]	
A-9	•	8:18/8:24	9:56/10:04	11:10/11:30	12:26/12:42	1:48/1:58	3:05/3:15	4:21/4:31	
A-10	•	8:26/8:30	9:36/9:48	10:47/10:53	12:00/12:06	1:10/1:18	2:25/2:33	3:32/3:40	4:46/4:51
E-5	•	8:26/8:32	9:50/9:58	11:03/11:13	12:19/12:[illegible]	1:43/1:50	3:02/3:09	4:19/4:26	
E-6	•	8:26/8:35	9:56/10:03	11:10/11:18	12:[illegible]/12:39	1:48/1:59	3:03/3:12	4:20/4:30	
E-7	*	10:00/10:08	11:30/11:37	1:00/1:14	2:34/2:40	4:10/4:23			

A-1	D. TINGUE	PRESTON TRUCKING	GC 8675
A-2	B. CLINE	DAVISON TRUCKING	PA 9630
A-3	M. CLARK	UNGERMAN TRUCKING	PA 1164
A-4	T. VOGEL	UNGERMAN TRUCKING	PA 1165
A-6	B. [illegible]REEN	GREEN TRUCKING	PA 8895
A-7	C. [illegible]RYBURY	MILLS TRANSPORT	HP 8376
A-8	B. [illegible]LAYBN	RMS FARMS	HN 6853
A-9	T. [illegible]ERLIT/	RMS FARMS	HN 9634
A-10	S. O'ROURKE	MILLS TRANSPORT	LP 8968
E-5	S. FITSGACN	MILLS TRANSPORT	AC 4639
E-6	B. SLAYTON	RMS FARMS	EY 1347
E-7	I [illegible]IKE Bon	PRESTON	NT 3041

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 11 AUG 90

No./Name	Time In/Out	Time In/Out	Remarks
SHORT'S OIL	9:20/9:48		FUEL EQUIPMENT
MRS SWANN	5:55/6:00		P/U MR SWANN
D. Dekker L. Dekker P. Porter	Still working		

PROJECT ENTRY PERMIT

DATE: 8/11 TIME IN: 6:40 am TIME OUT: 7:45 pm

NAME: P. Parker

COMPANY: Canonic

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/11/00 TIME IN: _____ TIME OUT: 6:45

NAME: L. Parker

COMPANY: Canonic

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/11/00 TIME IN: _____ TIME OUT: 6:45

NAME: M. Parker

COMPANY: Canonic

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/12 TIME IN: 2:30 Am TIME OUT: 6:30 pm

NAME: R. Porter

COMPANY: Cargill

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

John App
Licensed Surveyor

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:

- CANONE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: August 11, 1990

Work Performed	No. Houre	Misc. Information
Baseline Control work and slope staking 15+00 To 16+00 and 14+50	10	3 Man Crew
	Total	
	10	Signatuer of responsible par

Craig R Canonet

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 10, 1990

Arrived at 6:45 a.m.
Plan of Day:

- °Continue key trench excavation
- °Continue pit run backpile in high groundwater areas.
- °Complete overexcavation of unsuitable and pit run backfill at tie in with NY Dike.
- °Install oil booms to intercept oil from migrating to river.

Field Observations and Activities:

Contractor extended key trench from station 10 to station 5 accompied by strong odor and HNU readings emanating from result of standing oil ⅛ inch thicl on groundwater surface. The groundwater level 0 to 6 inches higher than trench bottom. Contractor attempting to minimize releases by covering newly excavated piles with clean soil. Excavated through burried rail road ties, drum remnamts, machinery parts etc. in one area approximately 30 feet long. Another local area held blobs of free tar/oil mixed with few drum remnants and machinery parts. From ± station 5+50 to 5+00 odor was extra strong with HNU values hitting stops at 100 ppm.

Discussed same with D. Dekker who agreed to stop trench excavation until required samples could be taken and analyzed for grease and oil. Discussed need fpr level "C" protection in this area.

Contractor hauling, dumping and spreading pit run gravel in high groundwater areas to achieve dry stable base for clay placements.

Additional oil booms were installed to contain and absorb oil skim on groundwater surface in overexcavated area between station 10 and 9+50. Diapers were also placed to absorb the floating oil.

Left site at 6:00 p.m.

cc: C. Stiles

RECEIVED AUG. 14, 1990 cc:

RECEIVED
AUG 14 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 8-10-90 DAY: Friday HRS.WRK. 10 hrs REPORT

WEATHER INFORMATION:

TEMPERATURE: High 89 Low 62 WIND: Mph. 0-5 Dir. N

PRECIPITATION: None HUMIDITY: m.l RIVER EL: AM 4.37 PM 4.36

PERSONNEL: NON MANUAL EBASCO.C.M. CANONIE.P.S. 1

	F.E/I 1		R.E. 2
	H&SO		P.E. 1
	C/SE		QCM 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	Aer Surveyors
"		SUPV. 1	EMPS. 1
USCOE/EPA	1	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log sheet		

MANUAL CANONIE GEN. Labor Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	10			
" 12G	10			
(Sheep)Compactor		Stand-by		
(Smooth) "	10			
Canonie Wtr. Trk	10			
Hertz Wtr.Trk				
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny	10			
½ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY Continue key trench excavation and backfilling with gravel. Fill gravel to level 6" above the water level or to the level directed by Ebasco.

SAFETY Will monitor key trench operation. Watch footing around trench. Watch dust on machines. It will be slippery. No dump accidents.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity ID # 501 (Strip topsoil W. Bank Clean Area)
602 (Construct W. Bank key trench)
102 (Collect & Analyze Contaminated S.I.)
203 (Construction Survey Control)

EAST BANK

RIVER (Any activity performed in water or gravel bar)
602 (Construct W. Bank key trench)

OTHER

PAGE: ____ OF ____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	1333.3
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	2811.14
NON-CONTNTD	CY	138.9	CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY	600	RIP-RAP MATRL.	TON	
OIL STAIND	CY	216	ROAD AGGRTS	SY	
CLEAN (Pond 33 test results)	CY	1333.3	SEED & MULCH	SY	
EAST BANK	CY		MISC. silt fence		300 Lf.
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY	2811.14	BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

E203 (Constr. Survey Co. Lot 1)
Cross-section PT of Sta 16+00
Control work of Center Base Line
Cross-section Sta 0+00 - Sta 2+50

QA/QC ACTIVITIES:

	INSPECTIONS LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	Sta 1+50 - Sta 3+00	A-2	Topsoil		X	
2	5+00 - 7+00	A-3			X	
3	7+00 - 7+50	A-3			X	
4	7+50 - 8+50	A-3			X	
5	8+50 - 8+75	A-3			X	
6	8+75 - 9+25	A-3			X	
7	9+25 - 10+00	A-3			X	
8	11+00 - 11+75	A-1	Pit Run		X	
9	1+50 - 4+50	A-11	Silt Fence		X	
10	CELA/Shiplock Run	A-12			X	

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS All sampling was done according to the SAP.
Locations & Description of samples taken found on pg 7

TECHINICAL CONCERNS/PROBLEMS:

See explanation sheets.
- Oil + Fuel in zone of fluctuation of the water table.
- Pit Run will probably create a conduit for the to easily reach the river.

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod	7, 2	68, 2
"D"		
"C"	2, 2	1, 1/2
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0835	10+00 -20R	HNu	Real Time	2 ppm (1=BG)
2	0836	10+00 -20R	Miniram	R.T	0.26 mg/m³
3	0837	10+00 -20R	CGI	R.T.	20.5% O₂, 0% LEL
4	0935	9+75 -20R	CGI	R.T	20% O₂ 1% LEL
5	0936	9+75 -20R	HNu	R.T	3 ppm
6	0937	9+75 -20R	Miniram	R.T	0.00 mg/m³
7	1125	9+50 -10R	HNu	R.T	1 ppm
8	1127	9+50 -10R	Miniram	R.T	0.00 mg/m³
9	1128	9+50 -10R	CGI	R.T.	20.8% O₂, 0% LEL
10	1308	7+75 -10R	HNu	R.T.	1 ppm

* A.I. history in sheet, more readings

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1000	N of CELA	3/Trackhoe, dozer	Modified	None
2	1400	N of CELA	2/Trackhoe	(D, Modified)	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS: (1)-decon

Personnel: Emps. In: ~~None~~ Emps. Out: ~~None~~ (1) decon.

Equipment: In: Out: 0 D5 dozer

Venders Equipment: In: none Out: none

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION ONE OF TRUCKS HAULING GRAVEL FROM ALFRED PIT TURNED OVER NEAR PIT AT APPROX 5:00PM. TRUCK BELONGED TO BUGMAN ACCIDENT DID NOT HAPPEN ON SITE. AUTHORITIES NOTIFIED. INJURIES DID NOT APPEAR TO BE SERIOUS

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED 5:35

REPORTED TO DAVE DEKKER RESPONSE TIME _____

RESOLUTION/RESPONSE NOTIFIED JON PALMER AND THEN NOTIFIED DAVE DEKKER. HE WAS AWARE OF ACCIDENT. NO FURTHER ACTION REQUIRED.

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/10/90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Shell Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W. Bank key trench

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity ID # 501 (Strip Topsoil W. Bank Clean Area)
- Stripped topsoil Sta 1+50 to Sta 3+00
(150' X 50')(6") = 138.9 cy
- No clearing or grubbing was needed
Activity ID # 102 (Collect & Analyze Contaminated Soils)
- Environmental samples taken at Sta 5+00 and Sta 7+50
Samples to be tested for:
TCL VOCs TCL Metals
TCL BNA TPH
TPH samples taken at Stations:
9+50, 9+25, 8+65, 6+25, 6+75
- Samples taken to Rochester and Fed ex. to Canonie Lab in Stockton
- Expect Results Thursday (8/16) for TPH analysis

Other:
S.I.t fence installed from Sta 4+50 - Sta 1+50

Activity ID # 602 (Construct W. Bank key trench)
On Excavated key trench from Sta 10+00 - Sta 5+00
- Oil was first sighted at Sta 9+75
- Continued excavation of key trench and continued to find oil at the layer of cobble stones.
- From Sta 9+75 - Sta 5+00 oil stained material & fuels were located in the trench from approx. 3' - 5' deep and continued to an unknown depth

Con't next page

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Canonie Environmental
500 N Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/10/90 | HOURS ON SITE: 10 hrs

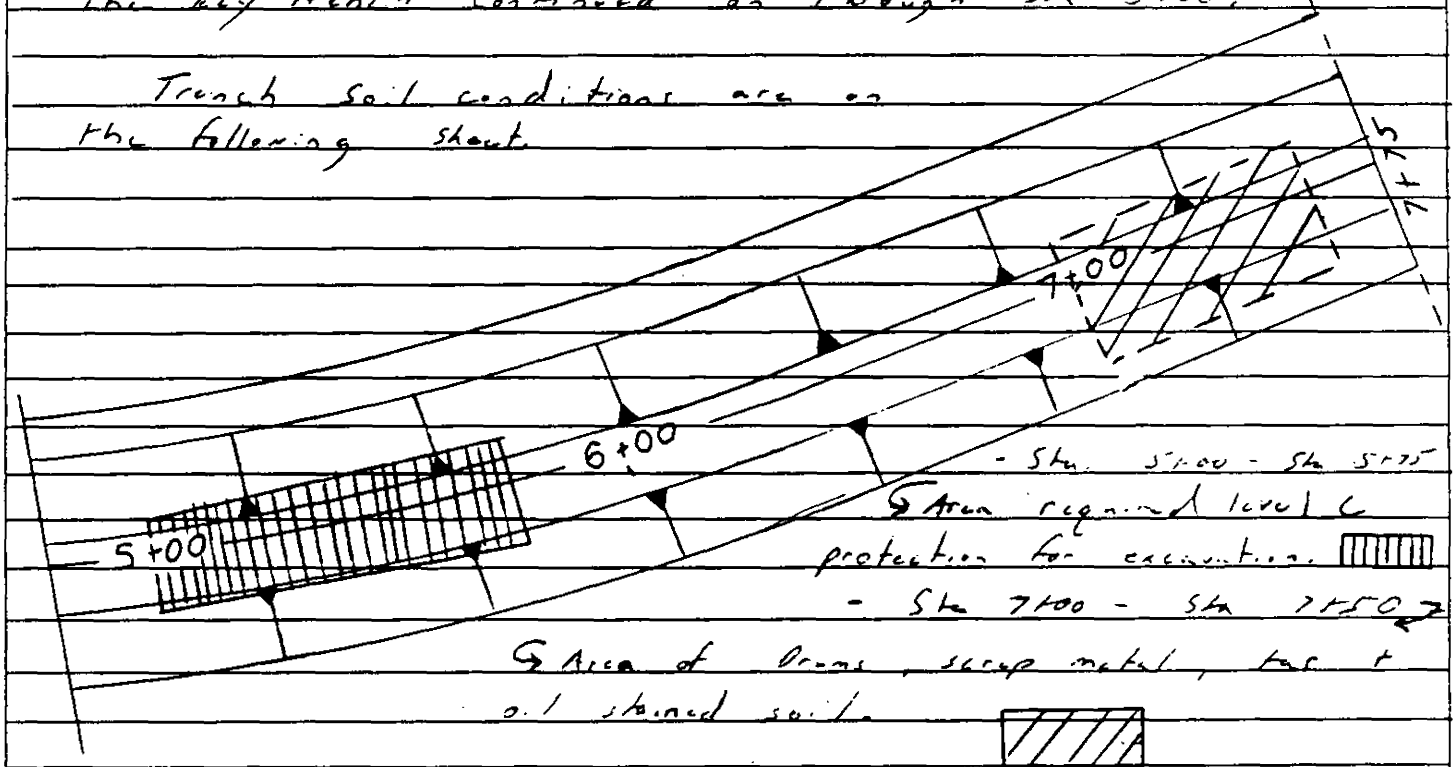
PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W Bank key Trench

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED It appears that the oil and fuels travel along the gravel (cobble stone) layer in a Northerly direction. The water level in the key trench from Sta 5+00 - Sta 9+25 ranged from 0.5' to 1.5' deep. From Sta 9+25 - Sta 9+75, the water level ranged from 1.5' - 2.0' deep above the key trench. Excluding the key trench, it ranged from 7.5' to 8.0' deep. (FALSE GWL DUE TO DISCHARGE WITH PIT PUMP - GW EL. 1494') After oil was first discovered, Cal Swan (Sinclair) and Dave Dekker (Canonie) were notified. Upon inspection, Canonie installed several oil absorbant snake booms and 3 bails of oil absorbant pads. At Cal Swans directions, the key trench continued on through Sta 5+00.

Trench soil conditions are as the following sketch.



- Sta 5+00 - Sta 5+75 Area required level C protection for excavation.

- Sta 7+00 - Sta 7+50 Area of drums, scrap metal, tar & oil stained soils.

Note: All Areas on sketch are approximate.

(Continue items on additional sheets or attach pictures as necessary)

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Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/10/90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W. Bank key trench

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

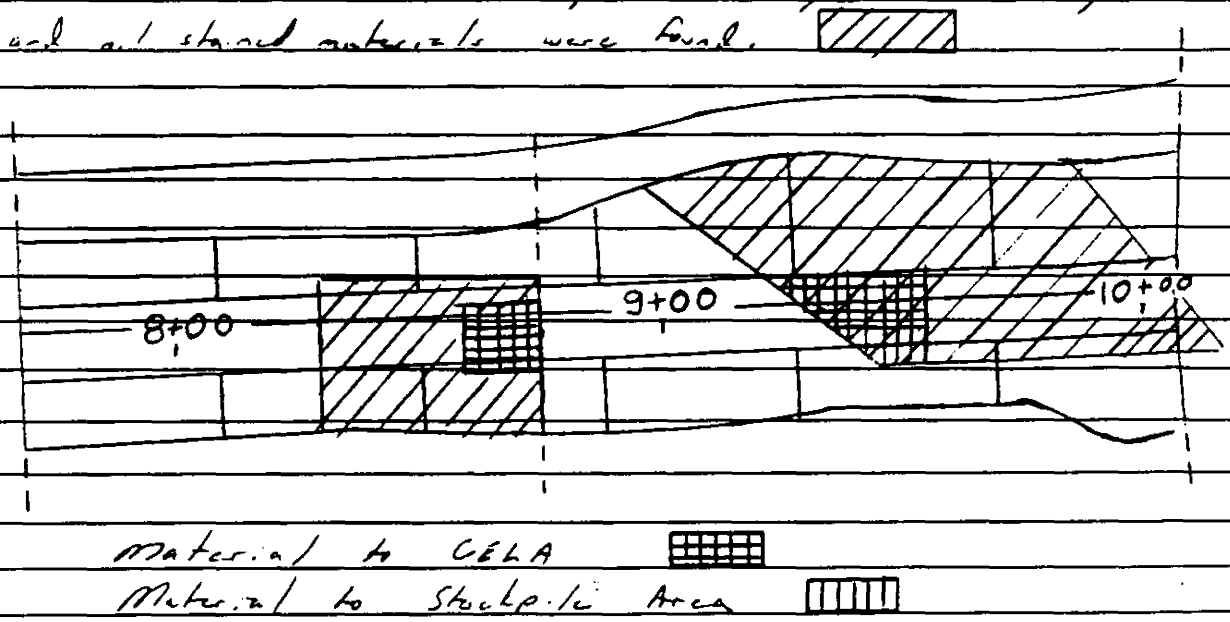
WORK PERFORMED Upon finding railroad ties & drums, Cal Sun directed Canonie to start treating the material to the CELA. Latter Canonie was directed to put all material excavated from the key trench on the sides of the trench. The soil was separated as best as possible. Oil stained / contaminated soil was separated from clean silt / topsoil.

Soil descriptions:

Sta 5+00 - Sta 5+75 - Excavation reqd level C protection - oil stained soils and tools were discovered under neath a layer of topsoil / silt approx. 2'-3' deep.

Sta 5+75 - Sta 7+00 - oil stained soils and tools were discovered approx. 3'-4' deep. [Remaining descriptions on next page]

Sta. 8+30 - Sta 9+75 - drums, railroad ties and scrap metal and oil stained materials were found.



Material to CELA

Material to Stockpile Area

(Continue items on additional sheets or attach pictures as necessary)

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Daily Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/10/90 | HOURS ON SITE: 10 hrs.

PROJECT LOCATION: Sinclair Refinery | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W. Bank Key Trench

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Soils descriptions : Key Trench

Sta 7+00 - Sta 7+50 : Drums, scrap metal, tar & oil stained soils materials were located approx. 1' underneath a layer of topsoil.

Sta 7+50 - Sta 8+30 : Layer of topsoil/fill approx 3.5' - 4.0' was above the cobble stone. The cobble stone was oil stained and produced strong odors. When the ground water level was reached oil & fuels were observed floating on the surface.

Sta 8+30 - Sta 8+75 : Drums, Railroad ties, and scrap metal and an oil stained silt along with the oil stained cobble stone was discovered.

Sta 8+75 - Sta 9+25 : Oil stained cobble stone found 4'-5' deep.

Sta 9+25 - Sta 9+75 : Stations were under water Oil and fuels were observed floating on the surface Oil appeared to seep out of walls of excavation directly after the soil was removed at the cobble stone layer. When the water level raised above the cobble stone, it appeared to slow the oil & fuel from seeping out.

- The oil & fuel appear to be in the zone of fluctuation in the water table.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-2
SHEET 1 OF 10
INSPECTION DATE 8/10/90

TOPSOIL STRIPPING

1. VERIFICATION INSPECTION	ACCEPT	REJECT	N A
- TOPSOIL AND ORGANIC MATERIAL WITHIN DIKE FOUNDATION AREA REMOVED TO A MINIMUM OF 6 INCH DEPTH.	X		
- DIKE FOUNDATION AREA IS FREE OF ORGANIC MATERIAL.	X		
- STRIPPING IS MONITORED AS PER SAMPLING & ANALYSIS PLAN	X		

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 1+50 TO 3+00

4. REMARKS Stripped topsoil to 6" depth. No organics present. No clearing or grubbing was needed

INSPECTOR Peter Slater DATE 8/10/90

REVIEWED BY [illegible] DATE 8/10/90

FORM A-1
SHEET 2 OF 10

EXCAVATION FOR KEY TRENCH
TOE PROTECTION TRENCH

INSPECTION DATE 8/...

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 5+00 TO 7+60

4. REMARKS C-1 stained soils were discovered approx. 2 - 4' deep, high levels on the HNU caused an upgrade in level of protection to level C from Sta 5+75 - Sta 5+00. C-1 + fuel was observed floating on the water surface

INSPECTOR _____ DATE 8/...

REVIEWED BY David Kelley DATE 5/11/96

FORM A-3
SHEET 3 OF 10

EXCAVATION FOR KEY TRENCH
TOE PROTECTION TRENCH

INSPECTION DATE 8/6/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 1150 TO 1400

4. REMARKS Appeared to be an old excavated pit used for dumping scrap metal, drums barrels & containers containing some type of tar. Soils was oil stained and pit was found about 1' deep

INSPECTOR _____ DATE 8/11/90

REVIEWED BY _____ DATE 8/11/90

FORM A-1
SHEET 4 OF 4

EXCAVATION FOR KEY TRENCH.
TOE PROTECTION TRENCH

INSPECTION DATE 8/11/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 8+30 - _____ TO 7+50

4. REMARKS A cobble stone layer running approx. 3.5' - 4.5' deep was oil stained and produced a strong petroleum odor. When the water table was reached, oil and fuel were observed floating on the surface

INSPECTOR _____ DATE 8/11/90

REVIEWED BY David Rokeby DATE 8/11/90

FORM A-1
SHEET 5 OF 10

EXCAVATION FOR KEY TRENCH,
TOE PROTECTION TRENCH

INSPECTION DATE 8/10/90

	ACCEPT	REJECT	N.A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 8+75 TO 8+30

4. REMARKS Appears to be an excavated pit used for dumping barrels, drums & railroad ties. Location also revealed a layer of black silt. Oil & fuel was observed floating on the water level.

INSPECTOR _____ DATE 8/10/90

REVIEWED BY _____ DATE 8/11/90

FORM A-1
SHEET 6 OF 11

EXCAVATION FOR KEY TRENCH
TOE PROTECTION TRENCH

INSPECTION DATE 8/10/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 9+25 TO 8+75

4. REMARKS 0.1 stained cobble stone material found approx. 1' - 5' deep underneath a layer of silt and topsoil

INSPECTOR _____ DATE 8/11/90

REVIEWED BY _____ DATE 8/11/90

FORM A-3
SHEET 2 OF 10

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH

INSPECTION DATE 8/10/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 10+00 TO 9+25

4. REMARKS Excavation of key trench was approx. 0'-5' into the water level. Q.1 was first discovered at sta 9+75 at the cobble stone layer.

INSPECTOR _____ DATE 8/11/90

REVIEWED BY _____ DATE 8/11/90

FORM A-4
SHEET 8 OF 10
INSPECTION DATE 8/10/90

FILL MATERIAL BELOW WATER SURFACE

	ACCEPT	REJECT	N/A
1. MATERIAL			
- PIT RUN GRAVEL FROM LOCALLY EXCAVATED SOURCES OR SIMILAR MATERIAL FROM OFF SITE SOURCES.	X		
2. PLACEMENT			
- MATERIAL DEPOSITED FROM A HEIGHT LESS THAN TWO FEET ABOVE WATER SURFACE	X		
- MATERIAL BROUGHT TO AT LEAST 6 INCHES ABOVE WATER SURFACE	X		
3. DUST CONTROL	X		

ACTION TAKEN: Haul roads sprayed when needed

4. FILL LOCATION

DIKE STATION 12+75 TO 11+00

5. REMARKS Pit run was placed in water in backwash and key trench. The material was tracked in and the rolled with the smooth drum rollers.

INSPECTOR [signature] DATE 8/11/90

REVIEWED BY [signature] DATE 8/11/90

FORM A-11
SHEET 4 OF 10
INSPECTION DATE 8/11/96

EROSION AND SEDIMENT CONTROL

	ACCEPT	REJECT	N A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 1+50 TO 4+50

OTHER _____

4. REMARKS S.I.F. fence was installed to prevent erosion before the topsoil was stripped

INSPECTOR Peter Arthur DATE 8/11/96

REVIEWED BY David Kalkwarf DATE 8/11/96

FORM A-12
SHEET 10 OF 10
INSPECTION DATE 8/...

DISPOSAL OF CONTAMINATED MATERIAL

	ACCEPT	REJECT	N A
1. VERIFICATION INSPECTION			
- LOCATION, CONFIGURATION AND MATERIALS USED FOR THE CONTAMINATED MATERIAL DISPOSAL AREA ARE IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. (PRIOR TO PLACEMENT OF CONTAMINATED MATERIALS) CELA location was changed by Corps staff and agreed upon by all Parties	✓		
- CONTAMINATED MATERIAL STORAGE AREA IS COVERED WITH A LAYER OF CLEAN MATERIAL IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS (AFTER COMPLETION OF WEST DIKE EXCAVATION)			

2. DUST CONTROL

ACTION TAKEN Haul roads were sprayed / wetted when needed

3. CONTAMINATED MATERIAL STORAGE AREA LOCATION (APPROXIMATE)

loads to CELA - 9 = 216 cy

loads to Stockpile area - 25 = 600 cy

4. REMARKS Loads hauled to either place was at the direction of Ebasco

INSPECTOR [signature] DATE 8/...

REVIEWED BY David Nicholson DATE 8/11/90

AM Activities: Digging Key Trench from 10+00 → 8+50. 0.1/debris found below (0+00, during / Building N.Y. Jetty foundation N.E. of CELA (≈ 12+00)

PM Activities: Digging Key Trench from 8+50 → 5+00 Level C used at ≈ 16.3 from ≈ 5+75 → 5+00

Time 0830, Temp ≈ 63°F, Fog, no wind → slight S. wind

Time 1459 ≈ Temp: 77°F, slight S wind - varying direction

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
3-10-90-0835	Key Trench (10+00-20R)	HNu	PI101	Cal = 111 ppm Isobutylene 86 = 1 ppm	2 ppm (fog)	Real Time
3-10-90-0836	Key Trench (10+00-20R)	Minirum	PDM-3	Z-bag for zeroing	0.26 mg/m³ (fog)	R.T.
3-10-90-0837	Key Trench (10+00-20R)	CGI	261	15% O_2, 50% LEL	20.5% O_2, 0% LEL (-)	R.T.
3-10-90-0935	Key Trench (9+75-20R	CGI	261	Same as above	20% O_2, 1% LEL	R.T
3-10-90-0936	Key Trench (9+75-20R)	HNu	PI101	Same as above	3 ppm	R.T
3-10-90-0937	Key Trench (9+75-20R)	Minirum	PDM-3	Same as above	0.00 mg/m³	R.T
3-10-90-1125	Key Trench (9+50-10R)	HNu	PI101	Same as above	1 ppm	R.T
3-10-90-1127	Key Trench (9+50-10R)	Minirum	PDM-3	Same as above	0.00 mg/m³	R.T
3-10-90-1128	Key Trench (9+50-10R)	CGI	261	Same as above	20.8% O_2, 0% LEL	R.T.
3-10-90-1308	Key Trench (9+75-10R)	HNu	PI101	Same as above	1 ppm	R.T
3-10-90 1309	Key Trench (7+75-10R)	Minirum	PDM-3	Same as above	0.00 mg/m³	R.T.
3-10-90 1310	Key Trench (7+75-10R)	CGI	261	Same as above	20.1% O_2, 0% LEL	R.T.
3-10-90 1410	Key Trench (7+25-10R)	HNu	PI101	Same as above	3 ppm	R.T.
3-10-90 1450	Key Trench (7+10-10R)	HNu	PI101	Same as above	2 ppm	R.T.
3-10-90 1452	Key Trench (7+10-10R)	Minirum	PDM-3	Same as above	0.50 mg/m³	R.T.
3-10-90 1457	Key Trench (7+10-10R	CGI	261	Same as above	20.1% O_2, 0% LEL	R.T.
3-10-90 1534	Key Trench (6+50-10R)	HNu	PI101	Same as above	1 ppm	R.T
3-10-90 1535	Key Trench (6+50-10R)	CGI	261	Same as above	14.9% O_2, 0% LEL	R.T.
3-10-90 1537	Key Trench (6+50-10R)	Minirum	PDM-3	Same as above	0.00 mg/m³	R.T.
3-10-90 1613	Key Trench (6+00-10R)	HNu	PI101	Same as above	5 ppm	R.T.
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-10-90

Equipment: HNu, Miniram, CGI

Real-Time Air Monitoring Results and Work Area

HNu levels at 5+75→5+00 required level C PPE levels from 8-10ppm due for 15 min period of time in breathing zone. (level C for ≥30 minutes at 1630-1700)

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111ppm Isobutylene

CGI = 15% O_2, 50% LEL

Miniram = 2 bag for zeroing

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-10-90

Work Areas Checked: N of CECA

Employees Present in Work Areas: Norm Tracy, Clint McKim, Bob McKim, Pete Porter, Scott Hunt, Grant Mackelvie, Gail Reid, Phil Smith, Kurt Ettinger, Dave Dekker, George Lagusky, Jon Kerr, Craig Carman, Frank Gontowski

Equipment Being Utilized: Trackhoe, dozer, loader, water truck, Roller

PPE Being Utilized: Level D modified, Level C

Accidents/Breeches of Procedures: None

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 12 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:46/12:50	1:20/	
C-2 L. Dekker	6:46/12:50	1:20/	
C-3 P. Porter	6:32/	/	
C-4 A. Muellerleile	7:11/11:21	/	
C-5 C. Ettinger	6:51/12:16	12:26/	
C-6 F. Gontowski	6:57/10:17	12:00/	
C-7 C. Chang	7:03/8:49	4:32/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:54/12:15	3:56/5:30	
C-10 C. Carrow	6:54/12:15	7:56/5:30	
C-11 B. Mckim	6:33/15:37	/	
C-12 C. Mckim	6:37/15:20	/	
C-13 G. Reid	6:32/15:20	/	
C-14 N. Tracy	6:49/15:37	/	
C-15 G. Maichele	6:26/	/	
C-16 S. Hunt	6:24/9:37	10:38/10:54 12:37/1:32	—6:08
C-17 P. Smith	6:38/12:43	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Snow	6:42/12:21	1:11/5:45	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:50/12:40	12:20/12:50	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:04/2:01	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	1:50/4:45	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 16 August 1990

No./Name	Time In/Out		Time In/Out				
A-1	7:05/7:15	8:33/8:44	9:59/10:06	11:15/11:20	12:30/12:36	1:51/1:58	3:13 3:68/[redacted]
A-2	7:09/7:07	2:30/2:35	2:37/2:45	3:59/4:05	5:25/5:33		
A-3	7:00/7:05	2:43/2:53	4:10/4:15	5:35/5:52			
A-4	7:56/8:02	9:13/9:18	10:34/10:44	12:06/12:11	1:25/1:33	[redacted] 2:43/2:53	4:10/4:15
A-5	7:58/8:04	9:15/9:02	10:38/10:45	12:03/12:12	1:29/1:35	4:10/4:15	
A-6	8:33/8:42	10:16/10:25	11:27/11:39	1:16/1:23	2:33/2:41	3:56/4:10	
A-7	8:33/8:42	10:06/10:12	11:33/11:39	12:57/1:07	2:27/2:37	3:58/4:10	
A-8	8:34/8:49	10:20/10:30	12:09/12:12	1:38/1:53	3:40/		
A-9	8:34/8:45	10:09/10:17	11:25/11:35	12:40/12:49	[redacted] 2:20	2:30/2:37	4:10/4:15
A-10	8:38/8:48	10:06/10:14	11:35/11:41	12:53/1:02	2:13/2:30	3:45/3:51	5:01/5:15
E-5	8:39/8:50	10:20/10:28	11:41/11:53	1:04/1:11	2:35/2:39	3:40/3:50	4:50/5:05
E-6	10:10/10:22	11:38/11:39	12:47/1:00	2:25/2:33	2:43		
E-7	10:33/10:41	11:50/11:58	1:19/1:27	4:20/4:30			
E-8	10:33/10:42	12:07/12:15	1:43/1:49	2:35/2:50	3:00/3:13	3:19/3:30	4:47/5:01

	IN/OUT	IN/OUT [redacted]	IN/OUT	IN/OUT	IN/OUT	IN/OUT
A-1	4:20/4:30	5:35/5:50				
A-2	[redacted]					
A-3						
A-4	5:35/5:50					
A-5						
A-6						
A-7						
A-8						
A-9	5:21/526					
A-10						

A-1	Bob Cline	Davison Trucking
A-2	Manley Clark	Ungerman
A-3	Tim Vogel	Ungerman
A-4	Jeff Bugman	Bugman Trucking
A-5	Maurice Arnold	Bugman Trucking
A-6	Ron Newton	Mills' Transport
A-7	Charles Turybury	Mills' Transport
A-8	Rick Blewett	Lawrence Trucking
A-9	Boyd Green	Green Trucking
A-10	Bob Slayto	RMS Farms
E-5	Scott O'Rourke	Mills' Transport
E-6	Jack Kapp	Shiel B. Kapp Trucking
E-7	Dwine Tingue	Preston Trucking
E-8	Dan Gibbs	Preston Trucking

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 16 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
UPS	10:13/10:16	4:07	2 piece delivery
Long Yards C-18	11:35/11:40		Visit Lavonne Dekker
Yellow Freight	1:24/1:46		1 piece delivery
Tom Gawan C-19	1:16/3:38		Beam Clean
FEDERAL EXP	2:48		DELIVERY/P/U

D. Dekker
L. Dekker
P. Peeler
C. Ethinger
F. Kantowski
C. Chung
} 57.11 Working

PROJECT ENTRY PERMIT

DATE: 8/10/90 TIME IN: _____ TIME OUT: 11:30 AM

NAME: Pete Kirker

COMPANY: Canonie

BADGE No: C 3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/10/90 TIME IN: 6:50 AM TIME OUT: 8:00

NAME: FRANK GONTOWSKI

COMPANY: CANONIE

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/10/90 TIME IN: _____ TIME OUT: 7:00 Am

NAME: C. Ethinger

COMPANY: Canonie

BADGE No: C-5

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-16-90 TIME IN: _____ TIME OUT: 6:45

NAME: [illegible]

COMPANY: [illegible]

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-10-90 TIME IN: _____ TIME OUT: 6:45

NAME: David Dekker

COMPANY: [illegible]

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/10/90 TIME IN: _____ TIME OUT: 6:35

NAME: C. Chang

COMPANY: [illegible]

BADGE No: C-7

Must Be Turned Into Security Within First 2hrs Of Next Work Day

John App
Licensed Sur[illegible]

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: AUG 10, 1990

work Performed	No. Houre	Misc. Information
CROSS SECTION PIT AT 16+00	3	2 MAN
CONTROL WORK CONST. BASE LINE	4	2 MAN
CROSS SECTION 0+00 - 2+50	3	2 MAN
	Total	
	10	Signatuer of responsible par

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 9, 1990

Arrived at 6:40 a.m.
Plan of Day:

- °Continue hauling, dumping and placing pit run to bring fill surface above groundwater level.
- °Excavate unsuitable soils and organics from foundation tie in with NY Dike.
- °Continue key trench North from station 11+50.

Field Observations and Activities:

Inspected silt control features at outlet end of Lagoon area. Features include: 1) oil boom 2) crushed gravel filter dam 3) Hay bale check dam and silt fence. All are functioning as designed and silt releases are mitigated.

Contractor removed logs, limbs and unsuitable saturated silt soil from Kile foundation at tie in with NY Dike Several loads went to CELA based on relatively strong odor and HNU readings above backgroung. Witnessed chemical sampling at station 10 with procedures following established protocol.

Approved overexcavation of unsuitable saturated silty soils in low area in vicinity of station 10, where groundwater level approximates ground surface.

Key trench excavation encountered oil skim on groundwater surface starting at station 9+90 late in shift. Requested that backup oil booms be available for use as excavation proceeds. Key trench extended this day to station 10+00.

Left site at 6:00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 9, 1990

Arrived at 6:45 a.m.
Plan of Day:
- °Continue excavating key trench and unsuitable soil from foundation area.
- °Continue hauling pit run.

Weekly progress meeting - see meeting minutes.

Dave Bingent USCOE was on site today. Attened the progress meeting. I asked him and stubby if they would look at the pile of excess rip rap that is North and East of NY dike. They said they would and get back to me.

Major Jerry Rogers of the USCOE-Virginia visited the job today he came on the recaommendation from Dave Plank Commander of Buffalo district, who he said had suggested that it was well worth his time to visit this site and see how it is set up and managed. I took him on a tour of the site.

I briefed Cal of what would be required in my abscence.

RECEIVED AUGUST 14, 1990 CLC

G Stiles

RECEIVED
AUG 14 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 8/9/90 DAY: Thursday HRS.WRK. 10 hrs REPORT NO. 57

WEATHER INFORMATION:

TEMPERATURE: High 86 Low 52 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: ___ RIVER EL: AM 4.39 PM 4.38

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1	R.E. 2
	H&SO	P.E. 1
	C/SE	QCM 1
	P.M.	H&SO 1
	HOP	P.M.
	"	P.SEC 1
	"	HOP
ARCO	P.M.	"
OTHERS		CANONIE SUB. App Surveyors
"		SUPV. 1 EMPS. 2
USCOE/EPA	1	SUB.
"		SUPV. EMPS.

VISITORS See Security Sheet

MANUAL CANONIE GEN. Labor ___ Equip. Oper. 7

Truck Drivers ___ Others ___

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	10			
" 12G	10			
(Sheep)Compactor		Stand-by		
(Smooth) "	10			
Canonie Wtr. Trk	10			
Hertz Wtr.Trk				
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny	10			
¾ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY re-excavate material in key trench from Sta 15+00 to Sta 15+50 and replace with pit Run and compact. Continue key trench excavation. Continue Backfilling with Pit Run to the height approved by Gary Stiles or Carl Swain

SAFETY Will monitor excavation of key trench. Keep roads watered for dust control

SCHEDULED Weekly meeting (Minutes will be submitted within 3 days)

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 602 (Construct W. Bank key trench)
102 (Collect & Analyze Contaminated Soils)
203 (Construction Survey Control)

EAST BANK

RIVER (Any activity performed in water or gravel bar)
602 (Construct W. Bank key trench)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	440
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	1549.44
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY	1056	RIP-RAP MATRL.	TON	
OIL STAIND	CY	48	ROAD AGGRTS	SY	
CLEAN	CY	248	SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

Stockpile [mat'l to CELA]

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY	1549.44	RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

203 (Constr. Survey Control)
Toe Staking on NY Pier
Base line Construction Control Work
Supplies & office Comps

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	Sta 10+00 - 11+50	A-3			X	
2	Sta 15+85 - 16+00	A-3			X	
3	Sta 12+25 - 11+75	A-4	Petrex		X	
4	See drawing	A-12	Contaminated		X	
5						
6						
7						
8						
9						
10						

COMMENTS See inspection sheets
Environmental Samples were taken according to the SAP

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

	Attach report required by Contract Document					

COMMENTS Environmental Sample taken at Sta 10+00
TCL VOCs
TCL BNAs Also a TPH sample was taken
TCL Metals

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	7, 2, 2	10, 2, 2
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0851	16+00	HNu	Real Time	0.5 ppm
2	0852	16+00	Miniram	R.T	0.02 mg/m³
3	0853	16+00	CGI	R.T	20.2% O₂, 0% LEL
4	0941	16+00	CGI	R.T.	20.9% O₂, 0% LEL
5	0942	16+00	HNu	R.T.	0.5 ppm
6	0943	16+00	Miniram	R.T.	0.00 mg/m³
7	1117	15+00	HNu	R.T.	0.5 ppm
8	1118	15+00	Miniram	R.T.	0.00 mg/m³
9	1119	15+00	CGI	R.T.	20.4% O₂, 0% LEL
10	1311	11+25-10R	HNu	R.T	0.5 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1011	N.E of CELA	4/loader, Truck	level D (mod. E.d)	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: 0

Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	1030	N.E. of CELA	water Truck	none	
2					

Accident/Breeches Report: Mr. Gail Reid was observed riding on the step of the water Truck along N.E Cleanup Rd.

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION At 1:50 pm Dr. John O. Hunter & Dr. Albert VanderLinde drove in through the support zone and into the restricted zone before I could stop them. Allan Mucheekile & Frank Gontowski stopped them & directed them back to the support zone. Gary Stiles talked with them about the operation.

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No further Accidents or Incidents to report 9 August 1990

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/9/90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville

WEATHER & TEMPERATURE:

JOB NO: 88-093

LOCATION OF WORK: W. Bank Key Trench

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity ID # 602 (Construct W. Bank key trench)
- Key Trench completed from Sta 10+00 - Sta 11+50 and Sta 15+85 - Sta 16+00.
- For discriptions see Inspection Sheets A-3 (1+2)
- For sketches of over excavation see following page

ID # 103 (Collect & Analyze Contaminated Soils)
Environmental Sampling done at Sta 10+00
Samples taken to be tested for.
TCL VOCs TCL metals
TCL BNA TPH
TPH sample data results expected around 8/16

ID # 208 (construction Survey Control)
Toe Staking on NY Rte
Base line Construction Cont. / Work
Supplies & Office comps.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

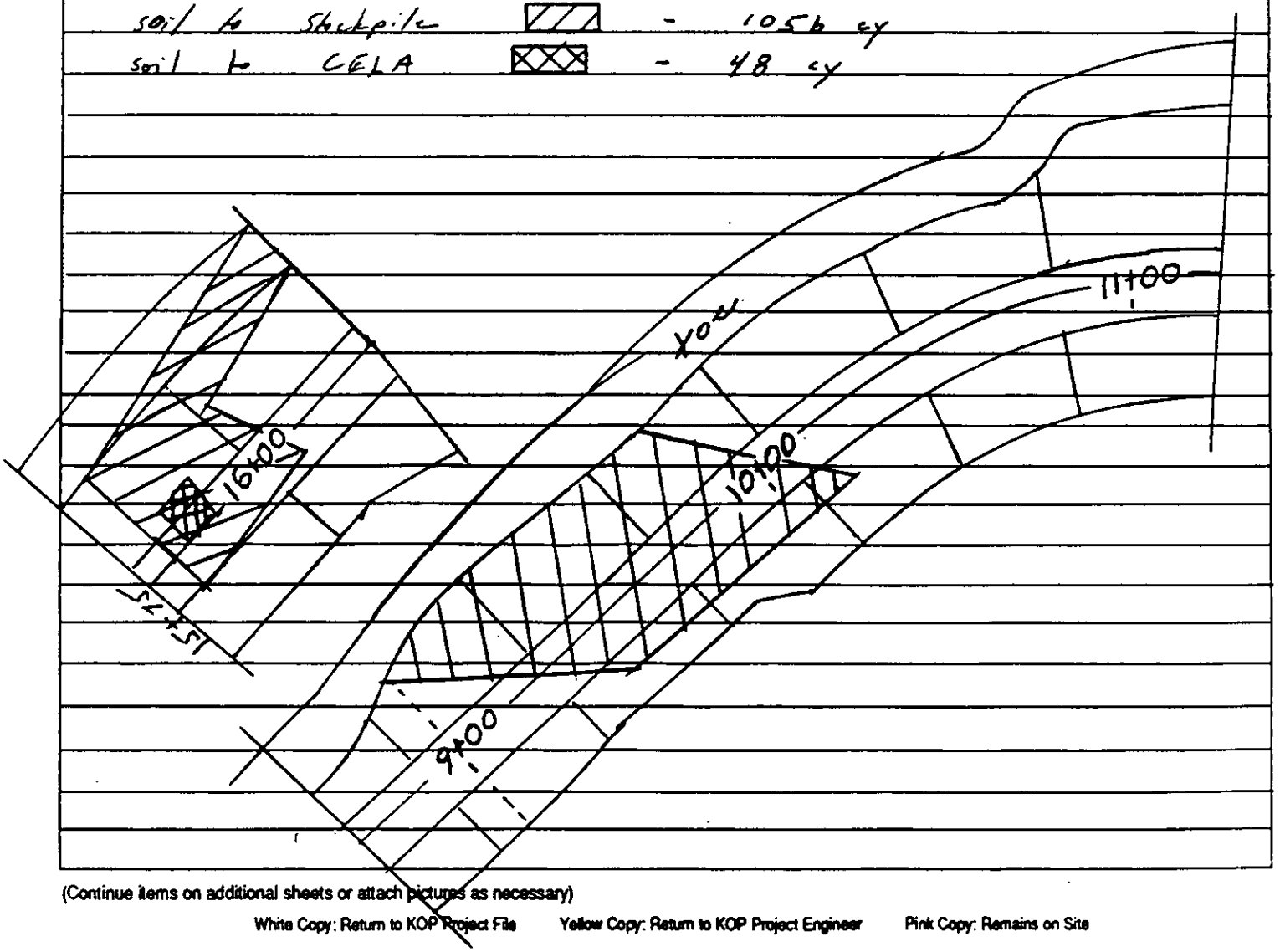
BY: Pete Porter	CONTRACTORS SUPERVISOR:	DATE: 8/9/90 HOURS ON SITE: 10 hrs
PROJECT LOCATION: Sinclair Refinery, Wellsville		WEATHER & TEMPERATURE:
JOB NO: 88-093		LOCATION OF WORK: W. Bank Key trench

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED _ over excavation was performed between station 10+05 – sta 9+00 and sta. 15+95 – sta 16+98. Soil trucked to either storage area was directed by Ebasco. Over-excavation is to be completed 8/10/90 from Sta 9+00 - Sta 10+05.

soil to Stockpile ▨ - 105 cy

soil to CELA ▩ - 48 cy



(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-3
SHEET 1 OF 4

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH

INSPECTION DATE 8/9/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 10+00 TO 11+50

4. REMARKS Throughout that 150' we found approx one foot layer of topsoil (No organics), an approx one foot layer of saturated silt and then the remaining cobble stone. The topsoil and silt were considered suitable material but not when placed in the water. Pit Run is to be placed at least six inches above the water level and then the silt and topsoil will be placed in lifts and compacted. The soils were approved by Cal Swan (Ebasco). The silt may require drying time.

INSPECTOR Peter Porter DATE 8/13/90

REVIEWED BY D. Dickson DATE 8/13/90

FORM A-3
SHEET 2 OF 4

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH

INSPECTION DATE 8/9/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 15+85 TO 16+00

4. REMARKS Excavation between these stations uncovered a lot of old tree trunks and stumps. Between these stations all of the organic material was removed. Upon removal, the tree trunks broke off in the foot of the NY Dike. Col Swan (Ebasco) and I decided not to excavate into the NY Dike and lose our haul road. We will address the problem when we tye into the NY Dike at Ebasco's direction.

INSPECTOR Pete Porter DATE 8/10/90

REVIEWED BY Dave Dekker DATE 8/10/90

FORM A-4
SHEET 3 OF 4
INSPECTION DATE 8/9/90

FILL MATERIAL BELOW WATER SURFACE

	ACCEPT	REJECT	N/A
1. MATERIAL			
- PIT RUN GRAVEL FROM LOCALLY EXCAVATED SOURCES OR SIMILAR MATERIAL FROM OFF SITE SOURCES.	X		
2. PLACEMENT			
- MATERIAL DEPOSITED FROM A HEIGHT LESS THAN TWO FEET ABOVE WATER SURFACE	X		
- MATERIAL BROUGHT TO AT LEAST 6 INCHES ABOVE WATER SURFACE	X		
3. DUST CONTROL			

ACTION TAKEN: Haul Roads were kept wet for dust control

4. FILL LOCATION

DIKE STATION 12+75 TO 11+75

5. REMARKS Backfilled with Pit Run to at least 6 inches above the water level in the backwash throughout the dike limits

INSPECTOR Peter Porter DATE 8/10/90

REVIEWED BY D. Dickhaus DATE 8/10/90

FORM A-12
SHEET 4 OF 4
INSPECTION DATE 8/9/90

DISPOSAL OF CONTAMINATED MATERIAL

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- LOCATION, CONFIGURATION AND MATERIALS USED FOR THE CONTAMINATED MATERIAL DISPOSAL AREA ARE IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. (PRIOR TO PLACEMENT OF CONTAMINATED MATERIALS) location of CELA was changed by Guy Stiles (Ebasco)	X		
- CONTAMINATED MATERIAL STORAGE AREA IS COVERED WITH A LAYER OF CLEAN MATERIAL IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS (AFTER COMPLETION OF WEST DIKE EXCAVATION)			

2. DUST CONTROL

ACTION TAKEN Haul Roads were sprayed when needed

3. CONTAMINATED MATERIAL STORAGE AREA LOCATION (APPROXIMATE)

CELA - 2 loads = 48 cy

Stockpile Area 44 loads = 1056 cy

4. REMARKS Soil directed to the CELA storage area and the Stockpile Area was at the direction of Ebasco.

INSPECTOR Peter Porter DATE 8/10/90

REVIEWED BY David Hackett DATE 8/10/90

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-9-90

Work Areas Checked:
N.E of CELA
E of CELA

Employees Present in Work Areas: Kurt Ettinger, Grant Macklelic, Phil Smith, Scott Hunt, Norm Tracy, Gail Reid, Clint McKim, Bob McKim, Alan Mullerlie, Frank Gontowski, Pete Porter, Dave Dekker, Jon APP, George Lyzusky, Craig Carrow

Equipment Being Utilized:
Dozer, Trackhoe, Roller, loader, Grater, water Truck

PPE Being Utilized: level D (modified) Tyvek, Steel Toe boots (rubber/neoprene) Gloves (Nitrile/cotton), hard hat, (safety glasses and ear plugs where needed)

Accidents/Breeches of Procedures: Mr. Gail Reid was observed riding on the outside (the step) of the water Truck

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-9-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area
No levels were found above normal/background on HNu, CGI, or miniram

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 11 ppm Isobutylene
CGI = 15% O_2, 50% LEL
Miniram = 2 sag for zeroing

[redacted] foundation with hauled stone at N.E CELA area (12+50 → 12+00), surveying

PM Activities: hauling clean mud from Key trench excavation (11+50) to N of CELA, prigging Key Trench 12+00 → 10+00, excavating Top soil/silt down to 4 ft (or stone) at 9+60 area

Time 0850, Temp ≈ 60°F, Pt sunny, slight S. wind
Time 1310, Temp ≈ 75°F, cloudy, moderate humidity, S. wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

ate/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/9/90-0851	16+00 (N.E of CELA)	HNu	PI100	Cal = 111 ppm Isobutylene	0.5 ppm	Real Time
8/9/90-0852	16+00 (N.E of CELA)	Miniram	PDM-3	Bg = 0.5 ppm ± lag for zeroing	0.02 mg/m³	R.T.
8/9/90-0853	10+00 (N.E of CELA)	CGI	261	15% O₂, 50% LEL	20.2% O₂, 0% LEL	R.T.
8/9/90-0941	16+00 (N.E of CELA)	CGI	261	15% O₂, 50% LEL	20.9% O₂, 0% LEL	R.T.
8/9/90-0942	16+00 (N.E of CELA)	HNu	PI101	Same as above	0.5 ppm	R.T.
8/9/90-0943	16+00 (N.E of CELA)	Miniram	PDM-3	same as above	0.00 mg/m³	R.T.
8/9/90-1117	15+00 (N.E of CELA)	HNu	PI101,	Same as above	0.5 ppm	R.T.
8/9/90-1118	15+00 (N.E of CELA)	Miniram	PDM-3	Same as above	0.00 mg/m³	R.T.
8/9/90-1119	15+00 (N.E of CELA)	CGI	261	same as above	20.4% O₂, 0% LEL	R.T.
8/9/90-1311	11+25-10R (N.E CELA)	HNu	PI101	same as above	0.5 ppm	R.T.
8/9/90-1312	11+25-10R (N.E CELA)	Miniram	PDM-3	Same as above	0.00 mg/m³	R.T.
8/9/90-1313	11+25-10R (N.E of CELA)	CGI	261	same as above	20.6% O₂, 0% LEL	R.T.
8/9/90-1431	10+75-50L (N.E of CELA)	HNu	PI101	Same as above	0.5 ppm	R.T.
8/9/90-1432	10+75-50L (N.E of CELA)	Miniram	PDM-3	Same as above	0.00 mg/m³	R.T.
8/9/90-1434	10+75-50L (N.E of CELA)	CGI	261	Same as above	20.2% O₂, 0% LEL	R.T.
8/9/90-1519	10+00-10L (N.E of CELA)	CGI	261	Same as above	20.2% O₂, 0% LEL	R.T.
8/9/90-1520	10+00-10L (N.E of CELA)	HNu	PI101	Same as above	0.5 ppm	R.T.
8/9/90-1521	10+00-10L (N.E of CELA)	Miniram	PDM-3	Same as above	0.00 mg/m³	R.T.
8/9/90-1644	9+55-50L (N.E of CELA)	HNu	PI101	Same as above	0.5 ppm	R.T.
8/9/90-1645	9+55-50L (N.E of CELA)	Miniram	PDM-3	Same as above	0.00 mg/m³	R.T.
8/9/90-1647	9+55-50L (N.E of CELA)	CGI	261	same as above	20.1% O₂, 1% LEL	R.T.

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 9 August, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:45 / 12:04	12:48 / 6:26	
C-2 L. Dekker	6:45 / 12:04	12:48 / 6:26	
C-3 P. Porter	6:38 / 6:14	/	
C-4 A. Muellerleile	7:03 /	/	
C-5 C. Ettinger	6:45 / 12:00	12:15 / 6:12	
C-6 F. Gontowski	6:24 / 6:28	6:51 / 6:58	7:19/8:24 9:01/10:02 10:21/
C-7 C. Chang	7:02 ~~6:54~~ / 12:40	12:44 / 6:26	
C-8 J. App	6:54 / 1:26	5:24 5:40	
C-9 G. Lazusky	6:54 / 5:40	/	
C-10 C. Carrow	6:54 / 7:59	9:37 / 5:40	
C-11 B. Mckim	6:41 / 5:44	/	
C-12 C. Mckim	6:42 / 5:28	/	
C-13 G. Reid	6:45 /	/	
C-14 N. Tracy	6:48 / 5:34	/	
C-15 G. Maichele	6:28 / 6:14	/	
C-16 S. Hunt	6:31 / 9:50	10:45 /	
C-17 P. Smith	6:43 / 5:28	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:47 / 8:33	9:07 / 5:58	
E-2 T. Granger	/	/	
E-3 S. Stiles	11:39 / 12:47	3:58 / 5:58	
E-4 C. Swan	6:58 / 12:10	12:11 / 12:12	1:05/5:54
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	10:10 / 11:26	/	
C/E-2 D. Binger	10:10 / 11:26	/	
C/E-3 Maj Rogers	3:20 / 4:35	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	5:57 / 12:00	/	
S-4 T. Cobb	2:57 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 9, August 1990

No./Name	Time In/Out		Time In/Out				Remarks
A-1 7:06/	8:16/8:25	9:40/9:47	11:03/1:11	12 24/12:30	1:40/1:46	3 04/3:10	
A-2 7:14/7:21	8:21/8:29	9:45/9:51	11:06/11:15	12:29/12:35	2:02/2:09	3:11/3:15	
A-3 8:15/8:21	9:37/9:44	11:03/11:09	12:24/12:31	1:45/1:51	3:08/3:15	4:46/4:53	
A-4 8:15/8:21	9:37/9:45	11:05/11:14	12:29/12:36	1:50/1:55	3:10/3:16	4:32/4:39	
A-5 8:16/1:24	2:46/2:55	4:20/5:08					
A-6 8:16/1:20	2:46/2:53	4:16/5:34					
A-7 8:21/8:29	9:49/9:55	11:17/11:25	12:51/1:00	2:20/2:28	3:37/3:45	5:09/5:18	
A-8							
A-9							
A-10							

A-1 - 4:23/4:3	5:44/5:51						
A-2 - 5:08/5:15							
A-3 -							
A-4 -							
A-5 -							
A-6 -							
A-7 -							

No	Driver	Owner
A-1	Bob Cline	Davison Trucking
A-2	Boyd Green	Green Trucking
A-3	Jeff Bugman	Bugman Trucking
A-4	Maurice Arnold	Bugman Trucking
A-5	Manley Chek	Ungeeman
A-6	Tim Vogel	Ungeeman
A-7	Bob Slayte	RMS Farms
A-8		
A-9		
A-10		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 9 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
Les Louks	8:53/8:57		Town Supervisor } wanted to
Jim Henessey	8:53/8:57		Town Highway Dept. } see Gary
George Gareau C-18	9:48/10:02		LC Wk. Trad
UPS	10:03/10:05		4 piece delivery
Dr. Albert VanderLinde	1:50/1:55		~~AES~~ Alfred State
Dr. John C. Hunter	1:50/1:55		~~AES~~ Alfred State
Fed Express	2:29/2:32	2:40/2:41	1 pickup/3 pc. delivery
Beam Clean	3:10/6:21		
Shorts Oil Co.	3:30/3:59		
UPS	4:14/4:14		No pickups or deliveries
Ron Volbert	5:42/6:08		Beam Clean

~~D. DEKKER~~
~~T. DEKKER~~
P. Porter
A. Muellerleile
E. Gentenski
~~C. Chang~~
G. Reid
S. Hunt
G. Michele

} Still here

PROJECT ENTRY PERMIT

DATE: 8/9/90 TIME IN: 6:10 AM TIME OUT: 6:45 PM

NAME: FRANK GONTOWSKI

COMPANY: CANONIE

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/9/90 TIME IN: _____ TIME OUT: 9:45

NAME: P. Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8.9.90 TIME IN: Tues TIME OUT: 6:30

NAME: A. MUTHERE

COMPANY: CANONIC

BADGE No: C4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-9-90 TIME IN: 6:30 TIME OUT: 7:00

NAME: Chris Reid

COMPANY: CANONIE

BADGE No: C-13

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/9/90 TIME IN: 9:45 pm TIME OUT: 6:15 & 6:20

NAME: Dean Gilkerlee

COMPANY: Canonie

BADGE No: C-15

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-9-90 TIME IN: 6:30 TIME OUT: 6:30

NAME:

COMPANY: CANONIE

BADGE No: C-16

Must Be Turned Into Security Within First 2hrs Of Next Work Day

John App
Licensed Surve

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: AUG 9, 1990

Work Performed	No. Hours	Misc. Information
TOE STAKING ON N.Y. DIKE SECTION	6	2MAN
BASE LINE CONSTRUCTION CONTROL WORK	4	2MAN
SUPPLIES & OFFICE COMPS	5.5	1MAN
	Total	
	10@ 2MAN	Signatuer of responsible par
	5.5@ 1MAN	George App

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 8, 1990

Arrived at 6:40 a.m.
Plan of Day:

- °Overexcavate unsuitable saturated silt and organics in Lagoon area.
- °Continue excavation of key trench.
- °Haul, dump and spread pit run graver oin Lagoon area.

Field Observations and Activities:

Backhoe removed 1 to 2 feet of unsuitable silt and organics from Lagoon area. All excavations performed below standing groundwater with firm gravel base established throughout.

Excavated 6 feet deep key trench in river gravel and stockpiled same adjacent to trench for later reuse as backfill. Encountered 1 to 2 feet thick silt layer in bottom of trench which was separated out and wasted.

Slight oil sheen and faint petroleum odor noticed at one location. Contractor installed oil boom at outlet to river. Contractor also installed crushed gravel dam to provide further filtering action, for silt water. Hay bales and filter cloth fence are also in place at this location.

No other contaminants noted during key trench excavation through Lagoon area.

Left site at 6:00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 8, 1990

Arrived at 6:45 a.m.
Plan of Day:

- °Continue key trench station 13+00 to the North
- °Backfill trench 16+50 to 13+00.
- °Place second pass of pot run along New York.
- °Will stockile at North end of dike any excess pit run.

After meeting Dave, Allen asked about soft material along the old slough (station 12+50 to 10+50). I told them that they should continue to excavate the key trench, if we can determine the interface of sound material and unacceptable material, then we would make a deceision as to how we proceed. I expect that this material is only two to three feet thick and probably expands to the entire dike foundation area. If it is then I would like to excavate it as we go, waste it in the stockpile area and refill excavation with pit run under specific requirements.

Allan asked to discuss thecoordinate problem. Checks and rechecks by information provided by four previouse survey engineering companies. Each time we were not able to tie the physical features together at either end of the dike. I told Allan and Dave and Cal that we would use the App established control point #1 at atation 0+00 and the angle line to point #2, the angle from #2 to #3 would be as shown on drawing C-05 the distance between #2 and #3 would be reduced by two feet. The angle from #3 to #4 will change to fit the existing NY dike as would point #5. I instructed Allan to draft a letter per our discussion and forward it to me for approval.

Allan and Dave came to me at the hygeine facility and requested to leave the point #3 as is but warp in the line to #4 to fit the NY dike, this would reduce their effort not to have to change the key trench and the toe stakes, they would o/s each point in the field. I agreed to this.

Field inspection at station 13+00 we encountered material that gave us high readings at source and strong odors. I Inspected this material and it had a black color, with miscellaneous debri. I told Dave to move it to the CELA inpoundment with lined trucks. Measure his volume with the backhoe bucket est. 40 to 50 c.y.

RECEIVED
AUGUST 14, 1990
C&H.

W. Gary S

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

RECEIVED
AUG 14 1990

DATE: 8/8/90 DAY: Wednesday HRS.WRK. 10 hr. REPORT NO. 43
EBASCO / ~~ARCO~~
WEATHER INFORMATION:
TEMPERATURE: High 90 Low 54 WIND: Mph. - Dir. -
PRECIPITATION: None HUMIDITY: ____ RIVER EL: AM 4.41' PM 4.39'
PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I	1	R.E. 1
	H&SO		P.E. 1
	C/SE		QCM 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS			CANONIE SUB. App Surveyors
"			SUPV. 1 EMPS. 2
USCOE/EPA		1	SUB.
"			SUPV. ____ EMPS. ____
VISITORS	See Security log inserted.		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 7
Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	10			
" 12G	10			
(Sheep)Compactor	8			
(Smooth) "	10			
Canonie Wtr. Trk	10			
Hertz Wtr.Trk				
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Cleaner	10			
½ ton pick up	10			
mechanic truck & tools	11			

MEETINGS:

PLAN OF DAY Level Pit Run to even 2' above lagoon water level Backfill open key trench and compact. Continue to excavate key trench

SAFETY Will monitor key trench operation carefully Line trucks if we run into contaminated Material

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity #601 (Raise NY dike)
#602 (Construct W. Bank key trench

See attachments.

EAST BANK

RIVER (Any activity performed in water or gravel bar)
8/8 - (#602) W. Bank Key trench 11+50 - 14+00
8/7 - W. Bank key trench 15+85 - 14+00

OTHER

PAGE: ____ OF ____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	667.0 (Sta 14+00 to Sta 11+00)
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	2197.04
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY	192	RIP-RAP MATRL.	TON	
[material to CELA] OIL STAIND	CY	240	ROAD AGGRTS	SY	
CLEAN	CY	500	SEED & MULCH	SY	
EAST BANK	CY		MISC. # 2		9.4 tons
MISC.	CY		" # 3		67.96 tons
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY	2197.04	RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. # 3	67.96 tons		MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

203 (Const. Survey Control)
Cross-section Sta 9+00 - Sta 11+00
Toe Staking (N. Side)
Office Comps & review

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 8-8-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod	7, 2, 2	70, 5, 2
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
* 1	0751	14+00-10R	HNU	Real Time	0.5 ppm
2 air 2	0754	14+00-10R	CGI	R.T.	20.8% O_2, 0% LEL
monitoring 3	0755	14+00-10R	Miniram	R.T.	0.16 mg/m³
see sheet 4	0930	13+00-20R	HNU	R.T.	0.5 ppm
for more 5	0931	13+00-20R	Miniram	R.T.	0.00 mg/m³
readings 6	0937	13+00-20R	CGI	R.T.	20% O_2, 0% LEL
7	1058	13+00-20R	HNU	R.T.	1 ppm
8	1059	13+00-20R	Miniram	R.T.	0.00 mg/m³
9	1101	13+00-20R	CGI	R.T.	20% O_2, 0% LEL
10	1114	Top of CELA by Pad	HNU	RT	1 ppm

* DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1005	N.E CELA	3/Trackhoe, loader, dozer (120 D modified)	- None	
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 1 Emps. Out: 1

Equipment: In: 1 Out: 0

Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Accidents or Incidents to report 8 August 1990

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/8/90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: Sta. 11+50 - Sta 14+00 W. Bank [Key Trench]

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity ID# 601 (Raise NY Pike)

- Leveled Pit Run in Lagoon behind NY Pike to approx. 2 feet above the water level in the lagoon.

602 (Construct W. Bank Key Trench)

- Excavated key trench from Sta 14+00 - Sta. 11+50
- Backfilled open key trench from Sta 14+00 - Sta 15+00
- Unsuitable material around and in Backwash was excavated to the cobble stone and stockpiled along the silt fence, Left of Center line, or trucked to the stockpile Area.
- Waste material [strong odor & dark natl but not oil stained] hauled to CELA. Trucks were loaded From Sta 13+30 to Sta 12+50 waste material was found. See diagram next page.
- All material Hauled to either the stockpile area or the CELA was approved and pointed out by Gary Stiles or Cal Sumner.

#203 (Construction Survey Control)

Cross-sectioning & start setting toe stakes NY Pike.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/8/90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Other: Erosion Control

- Before excavation started in Backwash, the silt fence (a section) was altered and a hay bail removed so the water level in the Backwash could be lowered. Gary Stiles & Cal Swan observed the operation.
- After water level was lowered, 3 loads of #3 stone was placed at the opening along with an oil soaker boom to prevent any silt or organics, or oil (if found) to enter the river.
- Stone road was completed through equipment storage area so trucks can easily circle the site
- overhead lines signs were posted in both directions on both roads.

602 (Construct W. Bank key trench) Con't

Backfilled from Sta 15+80 - 12+75 with pit run.

- Reason for larger difference between excavated material and placed pit run is due to excavation in backwash. Back wash water level was 1.5' to 2.0' above the start of excavation of the key trench

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/8/90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

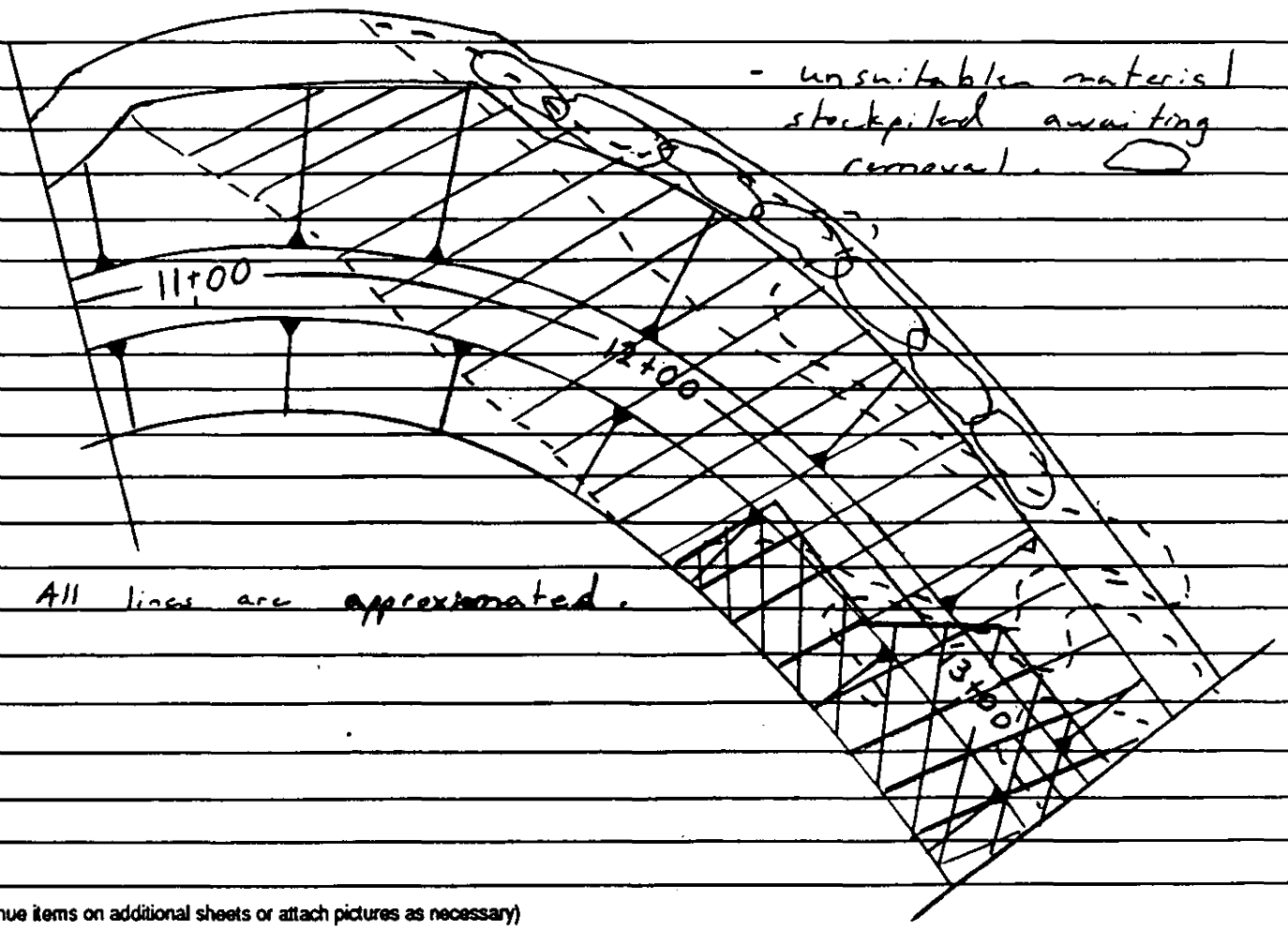
JOB NO: 88-093 | LOCATION OF WORK: W. Bank Sta 11+50 - Sta 13+30

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED - Unsuitable material Hauled to Stockpile Area (▨) 192 cy = 8 Loads

- Unsuitable material Hauled to CELA Storage area. ▩ 240 cy = 10 Loads

one truck 24 cy



All lines are approximated.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH

INSPECTION DATE 8/8/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 14+00 TO 11+50

4. REMARKS Key trench was excavated according to the Contract Drawings to our best capability. Trench was totally under water and was surveyed upon completion.

INSPECTOR R. Portz DATE 8/9/90

REVIEWED BY D. Dreher DATE 8/9/90

FORM A-4
SHEET ____ OF ____

FILL MATERIAL BELOW WATER SURFACE

INSPECTION DATE 8/8/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- PIT RUN GRAVEL FROM LOCALLY EXCAVATED SOURCES OR SIMILAR MATERIAL FROM OFF SITE SOURCES.	X		
2. PLACEMENT			
- MATERIAL DEPOSITED FROM A HEIGHT LESS THAN TWO FEET ABOVE WATER SURFACE	X		
- MATERIAL BROUGHT TO AT LEAST 6 INCHES ABOVE WATER SURFACE	X		
3. DUST CONTROL			

ACTION TAKEN: Haul Roads were sprayed when needed.

4. FILL LOCATION

DIKE STATION 14+50 TO 11+50

5. REMARKS Pit run was brought up to a level greater than 6 in above the water table to allow trucks to back up and dump. It will be cut down to 6 in or to the height requested by Ebasco.

INSPECTOR R. Porter DATE 8/9/90

REVIEWED BY D. Nichols DATE 8/9/90

FORM A-11
SHEET ____ OF ____
INSPECTION DATE 8/8/90

EROSION AND SEDIMENT CONTROL

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 11+00 TO 11+50

OTHER Entrance to backwash from river

4. REMARKS # 3 stone was placed in the water as a silt barier. An oil snake boom was placed in front of the stone to collect any oil and organic material floating on the River

INSPECTOR R. Porter DATE 8/9/90

REVIEWED BY [signature] DATE 8/9/90

FORM A-12
SHEET ____ OF ____

DISPOSAL OF CONTAMINATED MATERIAL

INSPECTION DATE 8/8/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- LOCATION, CONFIGURATION AND MATERIALS USED FOR THE CONTAMINATED MATERIAL DISPOSAL AREA ARE IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. (PRIOR TO PLACEMENT OF CONTAMINATED MATERIALS) Placement of CELA was changed by Gary Stiles (Ebasco)	X		
- CONTAMINATED MATERIAL STORAGE AREA IS COVERED WITH A LAYER OF CLEAN MATERIAL IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS (AFTER COMPLETION OF WEST DIKE EXCAVATION)			

2. DUST CONTROL

ACTION TAKEN Haul roads were sprayed when needed

3. CONTAMINATED MATERIAL STORAGE AREA LOCATION (APPROXIMATE)

CELA - 240 cy = 10 loads

Stockpile Area - 192 cy = 8 loads

4. REMARKS All material hauled to either place was at the direction of Ebasco. Material hauled to CELA was a dark silt with a strong odor. No oil staining was visible and didn't leave residue on the water surface.

INSPECTOR [signature] DATE 8/9/90

REVIEWED BY [signature] DATE 8/9/90

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 8, August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:48/	/	
C-2 L. Dekker	6:48/	/	
C-3 P. Porter	6:20/12:41	1:25/	
C-4 A. Muellerleile	6:58/	/	
C-5 C. Ettinger	6:48/12:06	12:20/6:15	
C-6 F. Gontowski	5:31 pm/	/	
C-7 C. Chang	7:00/12:49	1:20/	
C-8 J. App	6:48/8:31	11:35/4:05	4:27/5:38
C-9 G. Lazusky	6:48/5:38	/	
C-10 C. Carrow	6:48/5:38	/	
C-11 B. Mckim	6:40/5:47	/	
C-12 C. Mckim	6:40/5:47	/	
C-13 G. Reid	6:36/5:31	/	
C-14 N. Tracy	6:46/5:51	/	
C-15 G. Maichele	6:22/12:46	1:03/6:14	
C-16 S. Hunt	6:20/12:46	12:47/5:56	
C-17 P. Smith	6:41/5:31	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:39/11:58	12:46/	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:46/4:37	4:49/	
E-4 C. Swan	6:58/12:00	1:27/5:48	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	11:00/1:46	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	12:20/12:21	/	
S-3 Jerry Palmer	5:55/2:00	/	
S-4 T. Cobb	2:00/6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 8 August 1990

No./Name	Time In/Out		Time In/Out		Remarks	
A-1 - 7:17/7:23	8:25/8:48	10:03/10:11	11:15/11:25	12:49/12:57	2:03/2:09	
A-2 - 7:56/8:02	9:03/9:17	10:20/10:28	11:23/11:30	12:25/12:34	1:41/1:49	
A-3 - 8:00/8:11	8:31/9:44	11:05/12:12	12:51/1:06			
A-4 - 8:14/8:29	9:44/9:50	11:17/11:29	1:06/1:17	2:40/2:51	4:20/4:30	
A-5 - 8:17/8:26	9:45/9:50	11:10/11:21	12:47/12:50	2:08/2:16	3:43/3:49	
A-6 - 8:20/8:40	9:54/10:10	11:24/11:30	12:51/1:06	2:23/2:28	3:46/3:52	
A-7 - 8:21/2:58	4:27/4:34	5:59/6:06				
A-8 - 8:22/2:59	4:27/4:38	6:02/6:10				
A-9 - 8:22/8:44	9:49/9:57	11:05/11:21	12:34/12:41	2:00/2:06	3:21/3:28	
A-10 - 8:15/10:02	11:26/11:35	1:25/1:32	2:47/2:53	3:56/4:02	5:14/5:24	
E-5 - 8:15/10:02	11:27/11:40	1:27/1:36	2:38/2:45	4:03/4:10	5:13/5:24	
E-6 - 12:15/12:22	1:40/1:46	3:01/3:07	[illegible]	4:11/4:16	5:20/5:24	
E-7 - 12:15/12:24	1:51/1:58	3:24/3:32	5:11/5:18			

A-1 - 3:28/3:36	4:40/4:48				
A-2 - 2:50/2:57	4:03/4:12	5:19/5:25			
A-3 -					
A-4 -					
A-5 - 5:12/5:20					
A-6 - [illegible]	5:12/5:20				
A-7 -					
A-8 -					
A-9 - 4:36/4:46					
A-10 -					
E-5 -					
E-6 -					
E-7 -					

No.	Driver	Owner
A-1 -	Boyd Green	Green Trucking
A-2 -	Bob Cline	Davison Trucking
A-3 -	Lawrence James	Lawrence Trucking
A-4 -	Rick Blauvelt	Lawrence Trucking
A-5 -	Jeff Bugman	Bugman Trucking
A-6 -	Maurice Arnold	Bugman Trucking
A-7 -	Manley Clark	Ungerman
A-8 -	Tim Vogel	Ungerman
A-9 -	Bob Slayton	RMS Farms
A-10 -	Charles Clark	Alfred Atlas
E-5 -	Rick Clark	Alfred Atlas
E-6 -	Clint Perry	Alfred Atlas
E-7	Gene Garrison	Alfred Atlas

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 8 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
Lewis Landen	7:01/7:03		Twin Tree Service
Dale Zandees	8:45/8:15		Shorts Oil Co.
UPS	10:11/10:13		3 piece deliv.
Dan Johnson	10:36/10:38		
Napoli Pizza	1:02/1:04		FOOD!
So Swan E-8	1:27/1:45	5:29/5:48	visiting Cal Swan
FedEx	1:51/1:52		1 piece deliv.
Dean Clees	3:27/6:30	~~still working when left, Lavonne was notified~~	
George Clouff	3:49/3:49		lost, needed directions
UPS	4:21/4:22		2 piece pickup

D. DEKKER
L. DEKKER
P. Porter
A. Mueller/Reile
C. Chang
E. Gunrowski
G. STILES
S. STILES
} All still working

AM Activities: Digging Key Trench from (14+00 → 13+50) ; Dozing foundation for NY Dike at 16+00, backfilling Key trench, hauling contaminated material from 13+00 area to Top of CELA — Storage pad.

PM Activities: Hauling Top soil from N.E. of CELA to N.W of CELA (near 13+25) (to 2+00-100R), Pushing gravel along N-E of CELA, dozing foundation for NY dike. Digging Key Trench from 13+00 → 17+50

Time 0750, Temp ≈ 60°F, Fog, slight S. wind

Time 1315, Temp ≈ 75°F, clear, S. wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/8/90-0751	Key Trench (14+00-10R)	HNu	PI101	Cal: 111 ppm Isobutylene BG: 0.5 ppm	0.5 ppm (Fog)	Real Time
8/8/90-0754	Key Trench (14+00-10R)	CGI	261	—	20.8% O_2, 0% LEL (Fog)	R.T.
8/8/90-0755	Key Trench (14+00-10R	Miniram	PDM-3	15% O_2, 50% LEL 2-bag for zeroing	0.16 mg/m³ (Fog)	R.T.
8/8/90-0930	Key Trench (13+00-20R)	HNu	PI101	— Same as above	0.5 ppm	R.T.
8/8/90-0931	Key Trench (13+00-20R)	Miniram	PDM-3	— Same as above	0.00 mg/m³	R.T.
8/8/90-0937	Key Trench (13+00-20R)	CGI	261	— Same as above	20% O_2, 0% LEL	R.T.
8/8/90-1058	Key Trench (13+00-20R)	HNu	PI101	— Same as above	1 ppm	R.T.
8/8/90-1059	Key Trench (13+00-20R)	Miniram	PDM-3	— Same as above	0.00 mg/m³	R.T.
8/8/90-1100	Key Trench (13+00-20R)	CGI	261	— Same as above	20% O_2, 0% LEL	R.T.
8/8/90-1114	Top of CELA by Storage Pad	HNu	PI101	— Same as above	1 ppm	R.T.
8/8/90-1115	Top of CELA by Pad	CGI	261	— Same as above	20% O_2, 0% LEL	R.T.
8/8/90-1116	Top of CELA by Pad	Miniram	PDM-3	— Same as above	0.00 mg/m³	R.T.
8/8/90-1134	Top of CELA by Pad	HNu	PI101	— Same as above	5 ppm	R.T.
8/8/90-1305	Key Trench (12+50-10R)	HNu	PI101	— Same as above	0-5 ppm	R.T.
8/8/90-1306	Key Trench (12+50-10R)	Miniram	PDM-3	— Same as above	0.00 mg/m³	R.T.
8/8/90-1307	Key Trench (12+50-10R)	CGI	261	— Same as above	20.7% O_2, 0% LEL	R.T.
8/8/90-1530	Key Trench (13+00-15R)	HNu	PI101	— Same as above	0.5 ppm	R.T.
8/8/90-1531	Key Trench (13+00-15R)	Miniram	PDM-3	— Same as above	0.00 mg/m³	R.T.
8/8/90-1532	Key Trench (13+00-15R)	CGI	261	— Same as above	20% O_2, 0% LEL	R.T.
8/8/90-1624	Key Trench (12+50-25L)	HNu	PI101	— Same as above	1 ppm	R.T.
8/8/90-10[redacted]	Key Trench ([redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
8/8/90-1626	Key Trench (12+50-25L)	Miniram	PDM-3			

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-8-90

Equipment: HNu, Minirum, CGI

Real-Time Air Monitoring Results and Work Area

Only levels found in breathing zone above normal/background were on top of the CELA near the Contaminated Storage Pit during dumping of material - levels were from 2 - 8 ppm (not sustained for 15 mins). Work was complete before respiratory protection became necessary

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 11 ppm Isobutylene
CGI = 15% O2, 50% LEL
Minirum = 7 bag for zeroing

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-8-90

Work Areas Checked: N-E of CELA

Employees Present in Work Areas: Norm Tracy, Clint McKim, Bob McKim, Phil Smith, Greg Mackie, Scott Hunt, Gail Reid, Kurt Ettinger, Pete Porter, Dave DeKker, Alan Mullerville, Chris Chung, Jon Apa, George Lazusky, Craig Carrow

Equipment Being Utilized: 2 dozers, loader, Roller, Trackhoe, Grader, water Truck, Sheepsfoot

PPE Being Utilized: level D modified — Tyvec, gloves, boots (steel Toe-rubber/neoprene), hard hat, (safety glasses & ear plugs where needed)

Accidents/Breeches of Procedures: None

John App
Licensed Surve

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: AUG 8, 1990

Work Performed	No. Houre	Misc. Information
STRIPPED GROUND CROSS SECTION 9+00 - 11+00	4	2 MAN
TOE STAKING N.Y DIKE SECTION	6	2 MAN
OFFICE COMPS & REVIEW	8.5	1 MAN
	Total	
	10@ 2MAN	Signatuer of responsible par
	8.5 1MAN	George Tyson

Amendment to 8/7 pg 3 of

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	493.3 SLM 14400 SLM 15405
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	2260.42
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY	493.3	SEED & MULCH	SY	
EAST BANK	CY		MISC. # 2		40.62 tons
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB ~~SY~~		44 rolls
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY	2260.42	RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. # 2		59.39 tons	MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	1200		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

PROJECT ENTRY PERMIT

DATE: 8-8-90 TIME IN: _____ TIME OUT: 7:15

NAME: [illegible]

COMPANY: Conoco

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-8-90 TIME IN: _____ TIME OUT: 7:15

NAME: [illegible]

COMPANY: Conoco

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/8/90 TIME IN: _____ TIME OUT: 9:30

NAME: F Gorkowski

COMPANY: Conoco

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/8 '90 TIME IN: _____ TIME OUT: 7:30

NAME: A [illegible]

COMPANY: Cannie

BADGE No: C - 1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/9/90 TIME IN: _____ TIME OUT: 8:35

NAME: [illegible]

COMPANY: Cannie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-8-90 TIME IN: _____ TIME OUT: 6:45 PM

NAME: CHIA CHANG

COMPANY: CANNIE

BADGE No: C-7

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 7, 1990

Arrived at 6:40 a.m.
Plan of Day:

- °Complete number 2 stone.
- °Continue pit run, Pete said they have 2 trucks scheduled.
- °Clean trailer.
- °Set up Hand S equipment storage.
- °Improve housekeeping at personnel hygiene facilities.

Dave gave me a copy of the July 16, 1990 letter reguarding the change request for drinking water. I verbally approved the request to have drinking water at the sattelite hygiene facility at North end of dike.

Tom Barnett of Allegany HAZ MAT came out and looked at the EBASCOremedial investigation reports. I had called him early in the week, after being told by Bob Chaffee that Tom and John Tucker were rattling the chains as to what information they were being allowed to look at. Tom wasn't in my office for more than 20 minutes, Kurt Ettigen Canoie was present during his visit and he is logged through guard gate.

Inspected the area on the inside of th NY dike where they are placing the pit run material in the water that was impounded. About 2/3 rds. across the pond it is bedding good, no evidence of tracking by the ten wheelers that are backing along the length of spread. The D-6 is walking this material in. Also the operator is trying to average 6 to 10 passes over each spread.

Looked at the North end of the NY dike with Dave, he would like to start excavating the key trench at this point station 16+50 and work North into the slough area. This would give him a place stockpile his pit run material and keep his trucks on a continued haul. I have no problem with this request as long as the spec. requirements are met.

Tney completed the set up of the emeregency shower and eye wash today.

They have completed erecting the silt fence and hay bales around the stump stockpile and the CELA impoundment.

I took progress pictures today.

The satelite personnel hygiene facility has been set up and is approved for use.

Started key trench excavation at station 16+50, the first 30 feet contained old decayed trees and sediment that had washed into a ditch that was left along the toe of the NY dike during construction. I asked Dave to dig a little on each side to see how far this trash goes, he excavated approximately 10 feet each way and was still in it so I told him to move on out a ways and try it. After about 10 feet the material started getting better, we excavated to station 14+00 and had good material all the way. I took pictures of each bank. At about 4:45 p.m. I approved this section of key trench for backfill.

EBASCO / ARCO

AUG 0 9 1990

RECEIVED

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 8/7/90 DAY: Tuesday HRS.WRK. 10 hrs REPORT NO. 42

WEATHER INFORMATION:

TEMPERATURE: High 79 Low 61 WIND: Mph. ____ Dir. ____

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM 4.43' PM 4.42'

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I		R.E. 1
	H&SO		P.E. 1
	C/SE		QCM
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	App Surveyors
"		SUPV. 1	EMPS. 2
USCOE/EPA	1	SUB.	
"		SUPV.	EMPS.

VISITORS ____

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5		Stand by		
" 12G	10			
(Sheep)Compactor		stand by		
(Smooth) "	10			
Canonie Wtr. Trk	10			
Hertz Wtr.Trk			Expected	8/8
ACPR.		Stand-by		
Chipper		Stand-by		
Generator/Steam Cleaner	10			
½ ton pick up	10			
Mechanic Truck & tools	10			

1/19

MEETINGS:

PLAN OF DAY Work on finishing placing p.t. run in lagoon (complete clean road around site. Cross-section topsoil removal so we can start key trench

SAFETY Will monitor key trench when it starts and will monitor backfilling of lagoon.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity EO # 601 (Raise N.Y. Dike)
602 (Construct W. Bank key Trench
203 (Const. Surface Control)
701 (Install Access Roads)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	2260.42
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC. # 2		40.62 tons
MISC.	CY		▪		
TOE TRENCH EXCAV.			▪		
CLEAN MATRL.	CY		▪		
WASTE MATRL.	CY		▪		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB ~~SY~~		44 rolls
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY	2260.42	RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. # 2		59.39 tons	MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	1200		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
▪				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

203 (Construction Survey Control)
- Cross-section on stripped Ground W. Bank
- Construction Control

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	Sta 15+85 - 16+00	A-3	w.11	be addressed later		
2	Sta 15+85 - Sta 11+00	A-3	Suitable		X	
3	Sta 20+00 - Sta 16+50	A-4	P.I. Run		X	
4						
5						
6						
7						
8						
9						
10						

COMMENTS See Inspection Sheets.

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 8-7-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	7, 2, 1	70, 3, 1
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0557	19+50-30R	HNU	Real Time	0.5 ppm
2	0557	19+50-30R	Miniram	R.T.	0.00 mg/m³
3	0854	19+50-30R	CGE	R.T.	20.5% O₂, 0% LEL
4	0916	5+00	HNU	R.T.	0.5 ppm
5	0917	5+00	CGI	R.T.	20.9% O₂, 0% LEL
6	0918	5+00	Miniram	R.T.	0.00 mg/m³
7	1256	18+00-15R	CGE	R.T.	20.1% O₂, 0% LEL
8	1257	18+00-15R	HNU	R.T.	0.5 ppm
9	1258	18+00-15R	Miniram	R.T.	0.00 mg/m³
10	1357	19+50-30R	HNU	R.T.	0.5 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1000	N.E CELA	3/dozer	level B (modified)	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report 7 August 1990

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/17/90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W. Bank (NT Dike / key trench)

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

+ Activity ID = 601 (Raise NT Dike)

Excavated behind NT Dike down to suitable material and backfilled with Pit Run 15' to 20' above the water table. Suitable material was pointed out by Ebasco Constr. Manager. Completed from Station 20+00 - Sta 16+50

+ Activity ID = 602 (Construct W. Bank key trench)

- Started excavating key trench at Station 16+00, agreed upon by Gary Stites (Ebasco) and Dave Dibler (Canonie)
- found unsuitable material immediately upon excavating. Stopped excavating and moved North approx. 15' to 20', started excavating again and found suitable material. Excavated trench to depth of 6', width 6' and 1:1 slopes. Monitoring was performed through out the excavation.
- Completed excavation of key trench from Sta 17+00 - Sta 15+85

All material excavated was suitable for backfill and approved by Gary Stites (Ebasco). No large rocks.

+ Activity ID = 301 (Install Access Roads)

- Completed Clean Road around entire site.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

7/19

FORM A-3
SHEET 1 OF 3

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH

INSPECTION DATE 8-7-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.		X	

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION ~ 15+85 TO 16+00

4. REMARKS Station 16+00, key trench excavation begun, approved by Gary Stiles (Ebasco) and Dave Ritter (Cosewic). Unsuitable material was found immediately upon excavation and continued to spread out upon excavating further. The excavation was stopped and moved to Sta 15+85 where it continued to Sta 14+00. Station 15+85 to Sta. 16+00 will be addressed later.

INSPECTOR Peter Poplar DATE 8/8/90

REVIEWED BY David McKeen DATE 8/9/90

8/9

FORM A-3
SHEET 2 OF 3

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH

INSPECTION DATE 8/1/90

	ACCEPT	REJECT	N.A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 15+85 TO 14+00

4. REMARKS Excavation of key trench was done according to the Contract. All material excavated was approved as suitable material for backfill by Corey Stiles (Eberco). No large roots or weed is suitable.

INSPECTOR P. Porter DATE 8/8/90

REVIEWED BY [illegible] DATE 8/9/90

9/19

FORM A-4
SHEET 3 OF 3
INSPECTION DATE 8/7/90

FILL MATERIAL BELOW WATER SURFACE

	ACCEPT	REJECT	N/A
1. MATERIAL			
- PIT RUN GRAVEL FROM LOCALLY EXCAVATED SOURCES OR SIMILAR MATERIAL FROM OFF SITE SOURCES.	X		
2. PLACEMENT			
- MATERIAL DEPOSITED FROM A HEIGHT LESS THAN TWO FEET ABOVE WATER SURFACE	X		
- MATERIAL BROUGHT TO AT LEAST 6 INCHES ABOVE WATER SURFACE	X		
3. DUST CONTROL	X		

ACTION TAKEN: Roads wetted as needed and pit run sprayed for best compaction.

4. FILL LOCATION

DIKE STATION 20+00 TO 16+50

5. REMARKS Excavated to suitable material, approved by Corps Station (Ebasco) and backfilled with pit run 1.5' to 2.0' above the water level in the lagoon

INSPECTOR P. Foster DATE 8/8/90

REVIEWED BY David McCollum DATE 8/9/90

10/19

[redacted] Surveying (1+00 → 15+00) for Trenching N W of CELA

PM Activities: Building/dozing foundation for NY dike N.E of CELA (18+00 - 30R) → (16+00)
Surveying (15+00, 16+00) for Trenching N.E of CELA
- Digging Key trench Began at 1530 - 16+00 went down to 14+00

Time 0845, Temp ≈ 65°F, cloudy, N.W wind

Time 1250, Temp ≈ 73°F, cloudy, N.W wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/7/90-0850	(14+50-30R) E. of CELA	HNu	PI101	Cal=111ppm Isobutylene		
8/7/90-0851	E. of CELA	Miniram	PDM-3	Bkg=0.5ppm	0.5ppm	Real Time
8/7/90-0854	E. of CELA	CGI	261	2 bag for zeroing — 15% O_2, 50% LEL	0.00mg/m³	RT
8/7/90-0916	N.W of CELA	HNu	PI101	— Same as above	20.8% O_2, 0% LEL	RT
8/7/90-0917	5+00 N.W of CELA	CGI	~~PDM-3~~ 261	— Same as above	0.5ppm	RT
8/7/90-0918	N.W of CELA	Miniram	PDM-3	— Same as above	20.4% O_2, 0% LEL	RT
8/7/90-1256	(14+00-15R) E of CELA	CGI	261	— Same as above	0.00 mg/m³	RT
8/7/90-1257	E of CELA	HNu	PI101	— Same as above	20.1% O_2, 0% LEL	RT
8/7/90-1258	E of CELA	Miniram	PDM-3	— Same as above	0.5ppm	RT
8/7/90-1357	E of CELA	HNu	PI101	— Same as above	0.00 mg/m³	RT
8/7/90-1358	17+00-15R E of CELA	Miniram	PDM-3	— Same as above	0.5ppm	RT
8/7/90-1359	E. of CELA	CGI	261	— Same as above	0.00 mg/m³	RT
8/7/90-1532	Key trench=15+00-20L	HNu	PI101	— Same as above	20% O_2, 0% LEL	RT
8/7/90-1534	Key trench=15+00-20L	CGI	Minigard II	— 15% O_2, 50% LEL	0.5ppm	RT
8/7/90-1537	Key trench=15+00-20L	Miniram	PDM-3	— Same as above	19.8% O_2, 0% LEL	RT
8/7/90-1602	Key trench=15+20-20R	HNu	PI101	— Same as above	0.00mg/m³	RT
8/7/90-1603	Key trench=15+20-20R	Miniram	PDM-3	— Same as above	0.5ppm	RT
8/7/90-1604	Key trench=15+20-20R	CGI	Minigard II	— Same as above	0.00mg/m³	RT
					20% O_2, 0% LEL	RT

11/19

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-7-10

Work Areas Checked:
N.E. of CELA

Employees Present in Work Areas: Norm Tracy, Phil Smith, Gail Reid, Clint McKim, Bob Atkins, Grant Mackie, Scott Hunt, Kurt Ettinger, Pete Porter, Dave Dekker, Jon Arp, George Lazuski, Craig Carroll

Equipment Being Utilized: Dozer(2), loader, Trackhoe, Grader, Roller, water Truck

PPE Being Utilized: Level D Modified - Tyvek, (w/ tape), cotton) gloves steel toe boots (rubber, neoprene), hard hat, safety glasses and ear plugs (when needed)

Accidents/Breeches of Procedures:

None

12/19

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 7-7-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

No levels above normal/background found in breathing zone on any instrumentation. Work areas included E of CELA 1800 → 1930 and N.E of CELA 1600 → 1700

Personnel Sampling

None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene
CGI = 15% O_2, 50% LEL
Miniram = 2 day for zeroing

John App
Licensed Su[illegible]

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: AUG 7, 1990

Work Performed	No. Hours	Misc. Information
CROSS SECTION ON STRIPPED GROUND WEST BANK DIKE	10	2 MAN
CROSS SECTION ON STRIPPED GROUND WEST BANK DIKE	1½	3 MAN
CONSTRUCTION CONTROL	10	1 MAN & CANONIE LABOREIR
	Total 11½ 3 MAN	

Signatuer of responsible per

[signature]

14/17

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 7 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:47/12:07	1:13/	
C-2 L. Dekker	6:47/12:07	1:13/	
C-3 P. Porter	6:46/10:14	10:51/	
C-4 A. Muellerleile	7:05/	/	
C-5 C. Ettinger	6:53/12:04	12:25/6:09	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	6:55/	/	
C-9 G. Lazusky	6:55/	/	
C-10 C. Carrow	6:55/	/	
C-11 B. Mckim	6:36/5:36	/	
C-12 C. Mckim	6:38/5:36	/	
C-13 G. Reid	6:41/5:36	/	
C-14 N. Tracy	10:45/5:41	/	
C-15 G. Maichele	6:29/11:10	1:25/6:09	
C-16 S. Hunt	6:25/11:06	11:07/6:09	
C-17 P. Smith	6:39/5:40	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:47/10:41	10:58/11:05	11:41/
E-2 T. Granger	/	/	
E-3 S. Stiles	10:58/11:42	2:30/4:24	4:54/5:20 6:10/6:23
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:16/11:35	12:09/1:37	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	9:21/9:24	11:37/11:40	
S-3 Jerry Palmer	5:55/2:00	/	
S-4 T. Cobb	1:50/6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 7 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
Grant Dean	8:57/9:31		Dean's Septic Service
UPS	9:50/9:54		2 piece delivery
Lewis Landon	10:10/10:14	10:51/11:09	Twin Tree Service
~~Gary Bar~~			
Tom Barnett C-18	11:27/11:59		Allegany Co. Fire Service
Adams Septic Service	11:48/12:07		toilet delivery/pumping
CEX	12:14/2:33	3:40/4:25	plastic materials
~~Jay Knapp~~	1:00/1:07		Short's Oil Co.
Fed Ex	1:08/1:10		delivery/pickup
Gene Garrison	1:49/2:02		waiting for Clint Perry
UPS	4:15/4:15		No pickup or delivery

D. Dekker
L. Dekker
P. Porter
A. Mueller-Leile
J. App
G. Lazusky
C. Carraw
G. Stiles
~~S. Stiles~~

All still working

16/17

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 7 Gingust 1990

No./Name	Time In/Out		Time In/Out				Remarks
A-1	8:06/8:11	9:19/9:25	11:03/11:11	12:21/12:25	[illegible] 1:36	2:46/2:51	3:57/4:12
A-2	8:18/8:21	9:38/9:40	11:08/11:13	12:32/12:43	1:56/2:02	3:21/3:24	4:32/4:58
A-3	8:18/8:24	9:45/9:49	11:12/11:16	12:49/12:52	2:14/2:30	3:56/5:32	
A-4	8:20/8:27	9:40/9:45	10:57/11:09	12:32/12:40	1:56/2:01	3:15/3:22	4:41/4:49
A-5	8:21/8:28	9:45/9:53	11:15/11:20	12:40/12:46	2:05/2:10	3:32/3:38	4:50/4:56
A-6	8:23/8:30	9:40/9:45	10:55/11:00	~~1:02~~ 12:25/12:29	1:50/1:56	3:06/3:12	4:30/4:39
A-7	8:25/8:39	9:57/10:14	11:45/12:04	1:41/1:51	3:51/4:14		
A-8	8:26/8:32	9:50/9:57	11:17/11:24	12:43/12:50	2:06/2:14	3:33/3:41	5:04/5:11
A-9	8:29/8:52	10:01/10:M	11:43/11:57	1:17/1:27	2:46/2:58	4:21/4:34	
A-10	8:59/9:19						
E-5	9:01/9:25	10:56/11:05	12:29/12:35	2:09/2:22	3:41/3:52	5:11/5:18	
E-6	9:02/9:25	10:56/11:07	12:31/12:37	2:06/2:19	3:41/3:47	5:13/5:22	

A-1	5:26/5:34					
A-2						
A-3						
A-4						
A-5						
A-6						
A-7						
A-8						
A-9						
A-10						
E-5						
E-6						

No.	Driver	Owner
A-1	Boyd Green	Green Trucking
A-2	Clint Perry	Alfred Atlas
A-3	Manley Clark	Ungerman
A-4	Maurice Arnold	Bugman Trucking
A-5	Bob Skyte	RMS Farms
A-6	Bob Cline	Davison Trucking
A-7	Rick Blauvett	Lawrence Trucking
A-8	Jeff Bugman	Bugman Trucking
A-9	Lawrence James	Lawrence Trucking
A-10	Gene Garrison	Alfred Atlas
E-5	Lloyd Halbert	Alfred Atlas
E-6	Roger Williams	Alfred Atlas

PROJECT ENTRY PERMIT

DATE: 8-7-90 TIME IN: _____ TIME OUT: 7:15 pm

NAME: LaVonne Dekker

COMPANY: Conmet

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-7-90 TIME IN: _____ TIME OUT: 7:15 pm

NAME: David Dekker

COMPANY: Conmet

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

18/17

PROJECT ENTRY PERMIT

DATE: 8/7/90 TIME IN: 6:45 TIME OUT: 7:30

NAME: P. Parker

COMPANY: Canon

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8.7.90 TIME IN: 7:00 TIME OUT: 7:30

NAME: A. MUELLER

COMPANY: CANON

BADGE No: C4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-7-90 TIME IN: 6:50 AM TIME OUT: 7:15 pm

NAME: Gary L Stiles

COMPANY: EBASCO

BADGE No: E.1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

19/19

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
August 6, 1990

Arrived at 6:40a.m.
Plan of Day:

- °Shape runoff swale behind berm.
- °Start placement of pit run fill at NY dike, inside.
- °Strip topsoil at stockpile area for surplus fill material.

Dick Reddin, of Douglas Myers, will be here around 1:00p.m.

Started work on raising the New York dike at the south end. Encountered 1' to 1½' more sediment than I thought we would.

I stepped off the distance from MW-2 (11.60') and MW 3 (70.39'). It looks like it will fall on the C/L shown on drawing C-05 and 07.

The silt fence,at the north end of slough, is down at the center. Water is going over the top. I told Dave D. to correct this.

Stripped the topsoil off the area designated for surplus clean material storage. The area sub surface looks good. No signs of contaminates.

Dick Reddin, of Douglas Myers, came. I briefed him on what we had been trying to determine, and what I would like him to help App locate the points that Myers had used during their survey work. I took him to App at the SUNY campus.

Went to the NY dike, checked the fill operation. The dozer operator was out where there was a more solid base, and was only having to go down about 1'0". They were not making much progress - only had nine trucks on haul.

Jon App came and told me he had made a rough layout with Myers baseline. It looks like it fits the design drawings.

RECEIVED

AUG 0 9 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 8/6/90 DAY: Monday HRS.WRK. 10½ REPORT NO. 41

WEATHER INFORMATION:

TEMPERATURE: High 81 Low 67 WIND: Mph. 05 Dir. SE

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM 04.55 PM 04.77

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

		F.E/I	R.E. 1
		H&SO	P.E. 1
		C/SE	QCM
		P.M.	H&SO 1
		HOP	P.M.
		"	P.SEC 1
		"	HOP
	ARCO	P.M.	"
	OTHERS		CANONIE SUB. App Surveyors
	"		SUPV. 1 EMPS. 1
	USCOE/EPA	1	SUB.
	"		SUPV. EMPS.
	VISITORS		

MANUAL CANONIE GEN. Labor Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand-by		
" 963	10			
" D-6	10			
" D-5	10			
" 12G	10			
(Sheep)Compactor	10			
(Smooth) "	10			
Canonie Wtr. Trk	10			
Hertz Wtr.Trk		Expected	8/8	
ACPR.		Stand-by		
Chipper		Stand-by		
Generator/Steam Genny	10			
½ ton pickup	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY start placing pit run in lagoon starting at Sta 22+25' on an approved base. Survey before placing on material. Push topsoil back behind the stockpile area. Continue Clean road ~~SAFETY~~ around Site. Finish Wash trailer Safety: Will monitor Lagoon work throughout the day. Install emergency shower by Lagoon pad.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity Item # 601 (Raise NY Dike)
501 (Strip Topsoil W. Bank Clean Up)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	1333.81
NON-CONTNTD	CY	185.2	CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC. #2		128.97 tons
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. #2		128.97 t.	MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Control Work

- Tying in D. Myers control

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	sta	6450 - Sta 8+50	A-2	Topsoil		X	
2	sta	22+25 - Sta 26+00	A-4	Pit Run		X	
3							
4							
5							
6							
7							
8							
9							
10							

COMMENTS See attached inspection sheets.

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	7, 1, 2	70, 6, 2
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0840	N of CELA	HNu	Rad/Time	(Bg) 2ppm
2	0843	N of CELA	Miniram	R.T	0.14 mg/m³
3	0844	N of CELA	CGI	R.T	20.5% O₂, 0% LEL
4	0928	N of CELA	HNu	R.T	3ppm
5	0929	N of CELA	Miniram	R.T	0.00mg/m³
6	1044	S.E of CELA	HNu	R.T.	2ppm
7	1045	S.E of CELA	Miniram	R.T.	0.00mg/m³
8	1047	S.E of CELA	CGI	R.T.	20.5% O₂, 0% LEL
9	1257	S.E of CELA	HNu	R.T.	(Bg) 0ppm
10	1258	S.E of CELA	CGI	R.T.	20.2% O₂, 0% LEL

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1000	N of CELA	2/1 dozer (tank)	level D (mod. Hard)	None
2	1030	S.E of CELA	2/1 dozer	level D (mod. Hard)	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Accidents or Incidents to report 6 August 1990

Daily Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/1/00 | HOURS ON SITE: 10.5

PROJECT LOCATION: Sunoco Refinery, Willow Ile | WEATHER & TEMPERATURE

JOB NO: 88 093 | LOCATION OF WORK: W Bank (N. Dike / Stockpile area)

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity EP # 601 (Raise N. Dike)
- excavated down to suitable material and backfilled with pit run : sta 22+25 - sta 20+00. Suitable material was pointed out by Ebasco

EP # 501 (Strip Topsoil W Bank Clean Area)
- Stripped topsoil sta 6+50 - sta 9+50 by 50' in the stockpile area. ~ 1852 cy
- pushed topsoil back to incorporate the stockpile area

OTHER:
- Set up emergency shower at decon pad (sta 9+50)
- Completed and approved by Canonie corporate HAS, wash & decon trailer at N. end of site
- Cleaned up area around and in decon / wash trailers

Arrival:
- Pre-tool-safety for decon / wash trailer at N. end of site

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-2
SHEET 1 OF 2

TOPSOIL STRIPPING

INSPECTION DATE 8/6/90

1. VERIFICATION INSPECTION	ACCEPT	REJECT	N A
- TOPSOIL AND ORGANIC MATERIAL WITHIN DIKE FOUNDATION AREA REMOVED TO A MINIMUM OF 6 INCH DEPTH.	X		
- DIKE FOUNDATION AREA IS FREE OF ORGANIC MATERIAL.			
- STRIPPING IS MONITORED AS PER SAMPLING & ANALYSIS PLAN	X		

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 6+50 TO 8+50

4. REMARKS Stripped topsoil to 6" depth. Parked topsoil from back behind stockpile area and tracked dirt in for compaction

INSPECTOR Peter Poyton DATE 8/7/90

REVIEWED BY [illegible] DATE 7/9/90

FORM A-4
SHEET 2 OF 2
INSPECTION DATE 8/6/90

FILL MATERIAL BELOW WATER SURFACE

	ACCEPT	REJECT	N/A
1. MATERIAL			
- PIT RUN GRAVEL FROM LOCALLY EXCAVATED SOURCES OR SIMILAR MATERIAL FROM OFF SITE SOURCES.	X		
2. PLACEMENT			
- MATERIAL DEPOSITED FROM A HEIGHT LESS THAN TWO FEET ABOVE WATER SURFACE	X		
- MATERIAL BROUGHT TO AT LEAST 6 INCHES ABOVE WATER SURFACE	X		
3. DUST CONTROL			

ACTION TAKEN: Roads watered when needed.

4. FILL LOCATION

DIKE STATION 22+25 TO 20+00

5. REMARKS At Ebasco's directions, Pit run was brought up to 1.5' to 2.5' above the water level in the lagoon after the unsuitable material was excavated.

INSPECTOR P. Porter DATE 8/9/90

REVIEWED BY [illegible] DATE 8/9/90

Activities AM - Stripping Top Soil N of CELA ≈ (7+00 - 5OR), placing Stone foundation for N Dike at S.E end of CELA ≈ (20+00-40R)

Activities PM - clean Road building/grating N. End of CELA ≈ (7+00 → 4+00), Placing of Stone foundation for N Dike at S.E end of CELA ≈ (20+00 - 40R)

Time 0830, Temp ≈ 70°F, Fog, Mist, High humidity, NW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

ate/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/6/90 - 0840	N of CELA	HNu	PI101	-[Cal = 111 ppm Isobutylene by = 2 ppm	by (fog)	Real Time
8/6/90 - 0843	N of CELA	Miniram	PDM-3	- 2 day for zeroing	0.14 mg/m³ (fog)	R.T.
8/6/90 - 0844	N of CELA	CGI	261	- 15% O₂, 50% LEL	20.5% O₂, 0% LEL (fog)	R.T.
8/6/90 - 0928	N of CELA	HNu	PI101	- Same as above	3 ppm (fog)	R.T.
8/6/90 - 0929	N of CELA	Miniram	PDM-3	- same as above	0.00 mg/m³ (fog)	R.T.
8/6/90 - 0930	N of CELA	CGI	261	- Same as above	20.1% O₂, 0% LEL	R.T.
8/6/90 - 1044	S.E of CELA	HNu	PI101	- Same as above	2 ppm	R.T.
8/6/90 - 1045	S.E of CELA	Miniram	PDM-3	- Same as above	0.00 mg/m³	R.T.
8/6/90 - 1047	S.E. of CELA	CGI	261	- Same as above	20.5% O₂ 0% LEL	R.T.
8/6/90 - 1259	S.E of CELA	HNu	PI101	-[Cal = 111 ppm Isobutylene by = 0 ppm	0 ppm	R.T.
8/6/90 - 1258	S.E of CELA	CGI	261	Same as above	20.2% O₂, 0% LEL	R.T.
8/6/90 - 1259	S.E of CELA	Miniram	PDM-3	Same as above	0.00 mg/m³	R.T.
8/6/90 - 1613	S.E of CELA	HNu	PI101	by = 0	0 ppm	R.T.
8/6/90 - 1614	S.E of CELA	Miniram	PDM-3	Same as above	0.00 mg/m³	R.T.
8/6/90 - 1615	S.E of CELA	CGE	261	Same as above	20% O₂, 0% LEL	R.T.

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-6-90

Equipment: HNu, Minirae, CGI

Real-Time Air Monitoring Results and Work Area

-AM readings may not be accurate due to fog/mist -(HNu by = 2 ppm)

-No readings in PM above background/normal levels (HNu by = 0 ppm)

Work areas include N OF CELA and S.E of CELA

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15 % O_2, 50 % LEL

Minirae = Z bag for zeroing

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-6-90

Work Areas Checked: N. of CELA
SE of CELA

Employees Present in Work Areas: Kurt Ettinger, Grant Macahlie, Scott Hunt, Bob McKim, Clint McKim, Phil Smith, Norm Tracy, Gail Reid, Pete Porter, Dave DeKker

Equipment Being Utilized: Dozer (2), loader, Truckhoe, sheepsfoot, Roller, grater

PPE Being Utilized: level D (modified) Tyvek, steel toe boots (rubber, required) gloves (Nitrile, cotton, leather), hard hat, safety glass & ear plugs (where needed)

Accidents/Breeches of Procedures: None

John App
Licensed Surve

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:

- CANONE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: AUG 6, 1990

Work Performed	No. Hours	Misc. Information
CONTROL WORK TYING IN TO D. MYERS CONTROL	12	2 MAN
	Total	
	12	

Signatuer of responsible par

George Tyger

John App
Licensed Sur[illegible]

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: AUG 5, 1990

Work Performed	No. Hours	Misc. Information
SET TOE STAKES ON NY. DIKE SECTION	2 1/2	2 MAN
	Total	
	2 1/2	

Signatuer of responsible part

George Taylor Jr.

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 6 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:37/12:20	12:52/	
C-2 L. Dekker	6:37/12:20	12:52/	
C-3 P. Porter	6:50/10:46	11:05/12:23	1:15/
C-4 A. Muellerleile	6:55/6:32	/	
C-5 C. Ettinger	6:55/12:04	12:24/6:00	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	6:55/8:17	12:13/12:46	5:35/
C-9 G. Lazusky	6:55/8:17	12:13/12:46	5:35/
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:37/5:47	/	
C-12 C. Mckim	6:37/5:31	/	
C-13 G. Reid	6:37/5:27	/	
C-14 N. Tracy	6:50/11:40	2:15/5:33	
C-15 G. Maichele	6:26/11:58	12:07/6:05	
C-16 S. Hunt	6:26/1:40	2:15/6:05	
C-17 P. Smith	6:38/5:27	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
		10:53 1:35	
E-1 G. Stiles	6:26/10:41	~~1:35~~/~~1:56~~	1:56/
E-2 T. Granger	/	/	
E-3 S. Stiles	10:51/12:18	1:00/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:43/11:50	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	11:40/11:41	/	
S-3 Jerry Palmer	5:55/12:04	/	
S-4 T. Cobb	1:56/6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 6 August 1990

No./Name	In	Out	Time In/Out	Time In/Out			Remarks
A-1	8:45/8:50	x x	x x	12:46/12:49	2:04/2:08	3:20/3:25	4:38/4:44
A-2	9:05/9:12	x x	x x	1:20/1:24	2:38/2:41	4:09/4:11	5:30/5:33
A-3	9:07/9:13	x x	x x	1:27/1:30	2:52/2:57	4:16/4:21	
A-4	9:08/9:15	x x	x x	1:27/1:32	2:48/2:52	4:05/4:09	
A-5	10:21/10:33	x x	1:08/1:12	2:34/2:39	3:47/3:52	5:14/5:20	5:22/5:28
A-6	11:42/12:02	1:16/1:26	3:02/3:16	4:34/4:48			
A-7	11:48/12:03	1:12/1:22					
A-8	12:03/12:11	1:29/1:36	2:59/3:05	4:20/4:29			
A-9	1:23/1:34	2:58/3:02	4:20/4:29				

D. Dekker
L. Dekker
G. Stiles
S. Stiles
~~K. Mastricola~~
R. Porter
J. App
G. Zbzusky

All ST, II working

Rick Scott	9:47/10:10			Shorts Oil Co. delivery
Paul Egel C-19	12:21/12:23	1:15/1:41		Harbor Resource Recovery
Norm Ungerman C-18	1:08/1:37	In		Ungerman Pit
Dick Redden E-9	1:23/~~1:41~~ 1:35	1:56/2:24	2:58/3:12	Meyers Survey
FedEx	1:32/1:35			3 piece deliv
Cheryl Bixby E-5	1:45/2:01			meeting Sue Stiles
Consolidated Freightways	4:02/4:10			
UPS.	4:15/4:07			3 piece pickup
Larry York	4:24/4:48			to see D Dekker
Emery Worldwide	5:15/5:16			1 piece ~~pick up~~ delivery

A-1	Bob Cline	Davison Trucking
A-2	Clint Peery	Alfred Atks
A-3	James Howe	Green Trucking
A-4	Boyd Green	Green Trucking
A-5	Bob Slayton	RMS Farms
A-6	Rick Blauvelt	Lawrence Trucking
A-7	Lawrence James	Lawrence Trucking
A-8	Jeff Bugman	Bugman & Sons Trucking
A-9	Maurice Arnold	Bugman & Sons Trucking

PROJECT ENTRY PERMIT

DATE: 3-6-90 TIME IN: _____ TIME OUT: 7.45 p.m.

NAME: Emmet Dickinson

COMPANY: Cronus

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 3-6-90 TIME IN: _____ TIME OUT: 7.45 p.m.

NAME: Lorraine Dickinson

COMPANY: Cronus

BADGE No: C-2.

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 3-7-90 TIME IN: 7:00 TIME OUT: 1:30

NAME: A. MUELLER

COMPANY: BAYONIC

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-6-90 TIME IN: 6:40 am TIME OUT: 7:30 PM

NAME: Gary L Styles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-6-90 TIME IN: 11:10 Am TIME OUT: 7:20pm

NAME: Sue Styles

COMPANY: EBASCO

BADGE No: E-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/6-90 TIME IN: _____ TIME OUT: 7.45

NAME: P Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
August 5, 1990

Arrived at 7:00a.m.

Started raining this morning around 1:10a.m., it is still raining at 7:00a.m.

Made inspection of the dike area and soil erosion, fence/ berms. The rain has not soaked into the ground enough to start any runoff - All looks good.

The surveyor, Jon App, and one of his men,and Pete P. were here around 8:15a.m. They plan to start final layout and fill/cut stake installation along the inside and outside toe of dike.

Has rained off and on all day, but never heavy.

Inspected dike area for soil erosion. Still no signs of any runoff.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

AUG 0 6 1990

DATE: 8/5/90 DAY: Sunday HRS.WRK. 4hr. REPORT EBASCO/ARCO

WEATHER INFORMATION:

TEMPERATURE: High 77 Low 71 WIND: Mph. 0-5 Dir. NE

PRECIPITATION: .43 HUMIDITY: ____ RIVER EL: AM 4.42' PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. ____

	F.E/I		R.E. 1
	H&SO		P.E. 1
	C/SE		QCM
	P.M.		H&SO
	HOP		P.M.
	"		P.SEC
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	Appr Surveyor
"		SUPV. 1	EMPS. 1
USCOE/EPA		SUB.	
"		SUPV.	EMPS.
VISITORS	None		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. ____

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand-by		
" 963		"		
" D-6		"		
" D-5		"		
" 12G		"		
(Sheep)Compactor		"		
(Smooth) "		"		
Canonie Wtr. Trk		"		
Hertz Wtr.Trk		"		
ACPR.		"		
Chipper		"		
Generator/Steam Genny		"		
½ ton pickup		"		

MEETINGS:

PLAN OF DAY Surveyors to set toe stakes and possibly bring in Control. Fish steps running

SAFETY Watch for Hog

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Surveyors set toe stakes on W. Bk

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Set toe stakes NV Pile

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

	Number of employees	Total Manhours Exposed
CLEAN:		
"D"mod		
"D"	2	8
"C"		
"B"		
OTHER		

AIR MONITORING: None

Sample	Time	Location	Instrument	Sample type	Results
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS: None

Inspections	Time	Location	No. Emps./Equip.	PPE Level	Violation
1					
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS: None

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In: _____ Out: _____

Vendors Equipment: In: _____ Out: _____

ACCIDENTS/BREACHES OF PROCEDURES: None

No.	Time	Location	Emp.N./Equip.N.	Injury/Damage	Response
1					
2					
3					

Accident/Breaches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMARY:

No problems

PROJECT ENTRY PERMIT

DATE: 8-5-90 TIME IN: 9:00 AM TIME OUT: 3:30 PM

NAME: A. Mullerlile

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-5-90 TIME IN: 9:00 AM TIME OUT: 2:15 PM

NAME: Pete Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-5-90 TIME IN: 7:05 AM 3:20 PM TIME OUT: 10:20 AM 7:15 PM

NAME: GARY L Stiles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/5/90 TIME IN: 8:55 TIME OUT: 12:00

NAME: C. Lazenby

COMPANY: Cancon APP Surveyors

BADGE No: C-9

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/5/90 TIME IN: 8:55 TIME OUT: 12:00

NAME: Jon APP

COMPANY: APP Surveyors / Cancon

BADGE No: C-8

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
August 4, 1990

Plan of Day
- °Clear for stockpile
- °Relocate Topsoil
- °Lay out dike fdn.

Dave was not on site today. Also, Chie Chang was not on site today.

Completed grubbing of dike fdn. and moving roots/stumps to stockpile area.

Completed stripping of topsoil from Sta. 2+50 to 22+39, and hauling to stockpile.

Was hot and humid this afternoon. Three operators went home at 3:30p.m.

A wide Gen. Materials bucket arrived this evening (5:45p.m.) for the 235 hoe.

Dick Reddin, of Douglas Myers, called. He will try to be here Monday.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

AUG 0 6 1990

EBASCO / ARCO

DATE: 8/4/90 DAY: Saturday HRS.WRK. 10 hrs REPORT NO:

WEATHER INFORMATION:

TEMPERATURE: High 90 Low 59 WIND: Mph. 5-10 Dir. NE

PRECIPITATION: None HUMIDITY: High RIVER EL: AM 441' PM 440'

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S.

		F.E/I	R.E. 1
		H&SO	P.E. 1
		C/SE	QCM
		P.M.	H&SO 1
		HOP	P.M.
		"	P.SEC
		"	HOP
	ARCO	P.M.	"
	OTHERS		CANONIE SUB. App Surveyors
	"		SUPV. 1 EMPS. 1
	USCOE/EPA		SUB.
	"		SUPV. EMPS.
	VISITORS	See Security log	

MANUAL CANONIE GEN. Labor Equip. Oper.

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5		Stand-by		
" 12G	8			
(Sheep)Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		Stand-by		
Hertz Wtr.Trk			Equipment	Any h/?
ACPR.		Stand-by		
Chipper	10			
Generator/Steam Genny	10			
(1/4G) 1 Dump Truck	5			
½ ton pick up	10			

1/17

MEETINGS:

PLAN OF DAY Finish clearing stockpile area and chip debri. Grub stockpile area. Finish moving topsoil piles Work on berm around East of CELA.

SAFETY Work in Decon/work trailer at N. end of site Decon Ungerman's dump Truck before it leaves the site. Decon bucket on 235 Hoe before working on changing buckets. Question: When 10 days Real Time up ~~SCHEDULED~~ Ans 8/9, but this must be reviewed by Caroline H&S, then Ebasco H&S and then the EPA for Final Approval to downgrade

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity Plan #401 Clear W. Bank Clean Area
#403 Grub W. Bank Clean Area
#501 Strip Topsoil W Bank Clean area

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER Construct berm around East of CELA
Sta 9+00 - Sta 13+50

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	.22	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	.29	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
1 Dump truck	Yes	Yes	Peter Porter
bucket + Stick (235)	Yes	Yes	P. Porter

FIELD ENGINEERING ACTIVITIES: (surveyors)

#203 (Const. Survey Control)
- Computations, and drafting
- Toe staking of N.Y. Dike

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	Sta 17+00 - 16+25	4-2	Topsoil		X	
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS See inspection sheet

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 8-4-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	7, 2	10, 4
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0848	N. of CELA	CGI	Real Time	20.3% O_2, 0% LEL
2	0849	N. of CELA	HNu	R.T.	0.5 ppm
3	0851	N. of CELA	Miniram	R.T.	0.00 mg/m^3
4	0953	E of CELA	CGI	R.T.	20.2% O_2, 0% LEL
5	0954	E of CELA	Miniram	R.T.	0.00 mg/m^3
6	0955	E of CELA	HNu	R.T.	0.5 ppm
7	1347	N.E. of CELA	HNu	R.T.	0.5 ppm
8	1349	N.E. of CELA	Miniram	R.T.	0.00 mg/m^3
9	1350	N.E. of CELA	CGI	R.T.	20% O, 10% LEL
	1500	N. of CELA	HNu	R.T.	0.5 ppm
	1501	N. of CELA	Miniram	R.T.	0.08 mg/m^3
10	1503	N. of CELA	CGI	R.T.	20% O, 0% LEL

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1060	N of CELA	5/chipper, dozer, loader	level D (modified)	None
2	1405	N of CELA	5/chipper, Truckhoe, loader	level D (modified)	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: None Out: None

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

Nothing to report

O. K. FE

Daily Report

Canonie Environmental
500 N Gulph Road · Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Peter Porter | CONTRACTORS SUPERVISOR: | DATE: 8/4/00 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W Bank Clean Areas

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity Item # 401 (Clear W. Bank Clean Areas)
- Finished clearing Stockpile Area
sta 7+00 - sta 8+50 = 150 x 50 = .22 acres

#403 (Grub W. Bank Clean Areas)
- Grubbed stockpile Area
Sta 6+50 - sta 8+50 = .29 acres

#501 (Strip topsoil W. Bank Clean Areas)
- finished moving piles of topsoil to N. end of project

Other: Constructed berm around East of CELL
sta 9+00 - 13+50

Equipment Arrival: Cat 235 bucket

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

7/17

FORM A-2
SHEET 1 OF 3
INSPECTION DATE 8/4/90

TOPSOIL STRIPPING

1. VERIFICATION INSPECTION	ACCEPT	REJECT	N/A
- TOPSOIL AND ORGANIC MATERIAL WITHIN DIKE FOUNDATION AREA REMOVED TO A MINIMUM OF 6 INCH DEPTH.	X		
- DIKE FOUNDATION AREA IS FREE OF ORGANIC MATERIAL.	X		
- STRIPPING IS MONITORED AS PER SAMPLING & ANALYSIS PLAN	X		

2. DUST CONTROL

ACTION TAKEN Water Truck sprayed roads when needed

3. LOCATION (APPROXIMATE)

DIKE STATION 14+00 TO 16+25

4. REMARKS Pile of Rip Rap will have to be removed from Sta' 15+75 in order to complete topsoil removal. Top soil piles have been moved and placed at N. end of the 506 (Wash Pond)

INSPECTOR [signature] DATE 8/5/90

REVIEWED BY [signature] DATE 8/6/90

8/17

FORM A-11
SHEET 2 OF 3

EROSION AND SEDIMENT CONTROL

INSPECTION DATE 8/4/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 3+00 TO 16+25

OTHER _____

4. REMARKS Inspected silt fence and placed hay bails in front and behind silt fence at area where water was entering the back ditch per Guy Skiles instructions

INSPECTOR Pete Porter DATE 8/5/90

REVIEWED BY David Dykstra DATE 8/6/90

9/17

FORM A-1
SHEET 3 OF 3

CLEARING AND GRUBBING

INSPECTION DATE 8/4/90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- AREA TO BE CLEARED IS STAKED BY THE SURVEY CREWS TO CONFORM WITH THE CONTRACT DRAWINGS.	X		
- DIKE FOUNDATION AREA IS STAKED AT 50' MAXIMUM SPACING ALONG DIKE AND ELEVATIONS AND LOCATIONS ARE RECORDED.			X
- AREA IS FREE OF TREES, BRUSH, LOGS, LIMB WOOD, RUBBISH AND OTHER OBSTRUCTIONS.	X		
- STUMPS, ROOTS LARGER THAN 1-1/2 INCHES IN DIAMETER AND DECAYED MATTER REMOVED TO AN 18" DEPTH FROM AREA REQUIRING GRUBBING.	X		

2. DUST CONTROL

ACTION TAKEN N/A

3. LOCATION (APPROXIMATE)

DIKE STATION 6+50 TO 8+50

4. REMARKS Stockpile area was cleared and then grubbed by removing trees and stumps and roots larger than 1½". Area still had some branches and debris scattered, but will be cleaned up before the berm is pushed back.

INSPECTOR Pete Porter DATE 8/4/90

REVIEWED BY David Kelleher DATE 8/6/90

10/17

FORM A-2
SHEET 1 OF 1

TOPSOIL STRIPPING

INSPECTION DATE 8/4/90

1. VERIFICATION INSPECTION	ACCEPT	REJECT	N/A
- TOPSOIL AND ORGANIC MATERIAL WITHIN DIKE FOUNDATION AREA REMOVED TO A MINIMUM OF 6 INCH DEPTH.	____	X	____
- DIKE FOUNDATION AREA IS FREE OF ORGANIC MATERIAL.	____	X	____
- STRIPPING IS MONITORED AS PER SAMPLING & ANALYSIS PLAN	X	____	____

2. DUST CONTROL

ACTION TAKEN Haul roads sprayed when required

3. LOCATION (APPROXIMATE)

DIKE STATION 16+25 TO 22+00

4. REMARKS Organic matter is still covering the inside of the N. Dike in spots. Must be done over again to complete the work.

INSPECTOR [signature] DATE 8/4/90

REVIEWED BY [signature] DATE 8/6/90

11/17

John App
Licensed Surv

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
• CANONIE ENVIROMENTAL

FOR
• DAILY TIME RECORD

DATE: 8/4/90

Work Performed	No. Hours	Misc. Information
COMPS & TOE STAKING OF NY. DIKE	10½	2 MAN
	Total	
	10½	

Signatuer of responsible part

George Jayes
12/17

[redacted] Activities: Tree cutting, chipping N End of CELA btwn clean Rd & decon pad
Top soil hauling from N.E/E of CELA to N.W of CELA. - Till 10:05 AM
grating N.E Rd Area & berming along CELA-PM.
P.M - Chipping & tree cutting [redacted] - not for soil hauling

Time 0840, Temp ≈ 62°F, Sunny, S wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

ate/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
3/4/90-0848	N of CELA	CGI	261	15% O_2, 50% LEL	20.3% O_2, 0% LEL	Real Time
3/4/90-0849	N. of CELA	HNu	PI101	Cal = 111ppm Isobutylene		
3/4/90-0851	N of CELA	Miniram	PDM-3	BG = 0.5 ppm	0.5 ppm	R.T.
3/4/90-0953	E of CELA	CGI	261	Z-bag for zeroing	0.00 mg/m³	R.T.
3/4/90-0954	E of CELA	Miniram	PDM-3	same as above	20.2% O_2, 0% LEL	R.T.
4/90-0955	E of CELA	HNu	PI101	same as above	0.00 mg/m³	R.T.
3/4/90-1347	N.E of CELA	HNu	PI101	Same as above	0.5 ppm	R.T.
3/4/90-1349	N.E of CELA	Miniram	PDM-3	Same as above	0.00 mg/m³	R.T.
3/4/90-1350	N.E of CELA	CGI	261	Same as above	20% O_2, 0% LEL	R.T.
8/4/90-1500	N of CELA	HNu	PI101	Same as above	0.5 ppm	R.T.
8/4/90-1501	N of CELA	Miniram	PDM-3	Same as above	0.08 mg/m³	R.T.
3/4/90-1503	N of CELA	CGI	261	Same as above	20% O_2, 0% LEL	R.T.

11/61

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-4-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

All levels on HNu, CGI, and Miniram were at background /normal levels during work N. of CELA (chipping) and N.E of CELA

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% or, 50% LEL

Miniram = 2 sag for zeroing

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-4-90

Work Areas Checked:
N.E of CELA
N. of CELA

Employees Present in Work Areas: Gail Reid, Scott Hunt, Clint McKim, Bob McKim, Grant Machelike, Norm Tracy, Phil Smith, Kurt Ettinger, Pete Porter, Allen Mullerlile, Jon App, George Lasusky

Equipment Being Utilized: Clipper, Dozer, loader, chainsaw, grater, Trackhoe

PPE Being Utilized: level D (Modified) — Tyvek, gloves (Nitrile/cotton), steel toe boots (Rubber/neoprene), hard hat, (Safety glasses and ear plugs when needed)

Accidents/Breeches of Procedures: None

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 4 AUG 90

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	6:45 / 6:25	10:40 6:00	
C-4 A. Muellerleile	7:00 / 12:10	12:30 / 6:00	
C-5 C. Ettinger	7:00 / 12:05	12:30 / 5:30	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	7:00 / 6:00	/	
C-9 G. Lazusky	7:00 / 6:00	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:40 / 3:25	/	
C-12 C. Mckim	6:40 / 3:25	/	
C-13 G. Reid	6:40 / 5:30	/	
C-14 N. Tracy	6:45 / 5:45	/	
C-15 G. Maichele	6:30 / 5:48	/	
C-16 S. Hunt	6:30 / 5:48	/	
C-17 P. Smith	6:40 / 5:20	/	
C-18 VOGEL	7:10 / 11:05	/	
C-19 ~~VOGEL~~	~~7:10~~ /	/	
C-20	/	/	
E-1 G. Stiles	6:45 / 10:00	12:45 / 5:30	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:45 / 11:30	2:30 / 5:30	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	6:00 / 16:15	/	
S-6	/	/	

16/17

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 8.4.90

No./Name	Time In/Out	Time In/Out	Remarks
VOGEL	7:10 / 11:05		LUNDGREN TRUCKING
SHORT'S OIL	9:05 / 9:25		SHORT'S OIL COMPANY
DAN HUNT	5:30 / 5:45		CANONIE
MIKE ALBERTSON	5:30 / 5:45		CANONIE

17/17

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
August 3, 1990

Plan of Day
- °Continue Grubbing
- °Continue Topsoil Stripping
- °Complete erosion protection system
- °Layout dike fdn.

Cal went to NYDOT reg. office to meet with Thomas Hallet on survey pt. 51 and 52.

I called Doug Meyers. He said his man that did this work was up by Buffalo. Would be back around 5:00p.m. He would check to see if he could come down Saturday or Sunday and walk down the area. I gave him my number.

Talked with Stubby about having the USCOE / SURVEYORS come and check control points. He will get with them.

Dave came with a copy of a letter to Tom with the pit run chemical test results. Page A-3 had a reading for Di-N-butylphthalate @ 480 vg/kg. I called Walt Seppefin, he had Bernadette Doyle run a check against NJ soil chemical standards. Found this to be of no concern at 480 vg/kg. It comes from plastic. I told her they used a plastic scope and plastic bucket. She said, "that is all it takes". The four readings on metals were within limits. Also, copper 14.mg/kg - NJ limit 180ppm., Lead 7.0 mg/kg -NJ limit 250ppm, Nickel 10.0 mg/kg NJ limit 100ppm., Zinc 5.3 mg/kg NJ limit 350 ppm.

I told Allan and Chie, I don't have a problem with the chemical test results, if they don't.

I told Dave about my finding with the survey results. He did not understand why Jon App had not checked for verification with the info. I gave them, and he would find out.

Went to Apps trailer and Chie, Allan and Jon were looking at Mayers survey info. They told me they are going to run a check in the morning.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

AUG 06 1990

EBASCO / ARCO

DATE: 8/3/90 DAY: Friday HRS.WRK. 10 Hrs. REPORT NO. 38

WEATHER INFORMATION:

TEMPERATURE: High 98 Low 57 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: Mod-High RIVER EL: AM 1.42 PM 1.42

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

Weather 8/2/90

High 87°F

Low 49°F

Precipitation: None

	F.E/I	1	R.E. 2
	H&SO		P.E. 1
	C/SE		QCM
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS			CANONIE SUB. Aop Surveyors
"			SUPV. 1 EMPS. 2
USCOE/EPA		1	SUB.
"			SUPV. EMPS.
VISITORS		See Security log sheets attached	

MANUAL CANONIE GEN. Labor Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	10			
" 12G	10			
(Sheep)Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk	10			
Hertz Wtr.Trk			Expected	8/6
ACPR.		Stand-by		
Chipper	10			
Generator/Steam Genny	10			
(UNG) 2 Dump Trucks	10			
½ ton pickup	10			

1/15

MEETINGS:

PLAN OF DAY Move Stockpiles of topsoil and locate up at N. end of Job. Start Clearing & Chipping stockpile area from Sta 6+50 thru 8+00

SAFETY Equipment must be inspected after decon. Contractor working on work trailer

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK ITEM # 401 (Clear West Bank Clear Areas)
501 (Strip topsoil W. Bank Clear Area)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER York Electric - Installed Flood Light

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	.07	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY	350.8	CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
2 Dump Trucks	Yes	Yes	

FIELD ENGINEERING ACTIVITIES: (surveyors)

203 (Const. Survey Cntrl)
- Construction Control Work
- Original Ground Level work (NY Office)

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	NY Office	A-2	topsoil			X
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS See inspection Sheet

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

■	■	■	■	■	■
■	■	■	■	■	■
■	■	■	■	■	■
■	■	■	■	■	■

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 8-9-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	7, 1, 2	70, 5, 2
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1252	N.E of CELA	HNu	Real Time	0 ppm
2	1253	N.E. of CELA	Miniram	R.T	0.00 mg/m³
3	1254	N.E. of CELA	CGI	R.T	20% O_2, 0% LEL
4	1309	N.W of CELA	HNu	R.T.	0 ppm
5	1310	N.W of CELA	Miniram	R.T.	0.00 mg/m³
6	1311	N.W of CELA	CGI	R.T.	20% O_2, 0% LEL
7	1411	N.E of CELA	CGI	R.T.	20% O_2, 0% LEL
8	1412	N.E of CELA	HNu	R.T.	0 ppm
9	1413	N.E of CELA	Miniram	R.T.	0.00 mg/m³
10	1522	N.E of CEA	HNu	R.T.	0 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1330	N of CELA	7/Trucks, Dozer, Clipper, loader (level D mod & C)		None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: 0

Venders Equipment: ~~In:~~ 2 (2 dump trucks) ~~Out:~~ 2 (2 dump trucks) (Cleaned off after moving clean top soil pile)

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No incidents to report.

Daily Report

Canonie Environmental
500 N Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/3/90 | HOURS ON SITE: 10½

PROJECT LOCATION: Sinclair Refinery, Wellsv. Ile | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: West Bank Clean Area

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity Item # 401 (Clear W. Bank Clean Area)
- Started clearing stockpile Area
Finished Sta 6+50 - Sta 7+00 50'x50' ~ .07 acres

501 (Strip Topsoil W. Bank Clean Area)
- Stripped topsoil Sta. 14+00 - 16+25 225' x 65' x .5' ~ ~~321.5~~ 270.8 yd³
- Stripped topsoil on NY Dike down to with. 2' of water level
Sta 16+25 - 22+00 575' x ~~20~~ 15' x .35' ~ ~~100.0~~ 80.0 yd³
- Started leveling topsoil stock piles to N. end of Site
total - 350.8 cy

Other: Constructed berm around foot of CELP
Sta 13+50 - Sta 16+25
Sta 21+75 - Sta 22+50

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

7/15

FORM A-11
SHEET 1 OF 1

EROSION AND SEDIMENT CONTROL

INSPECTION DATE 8.4.90

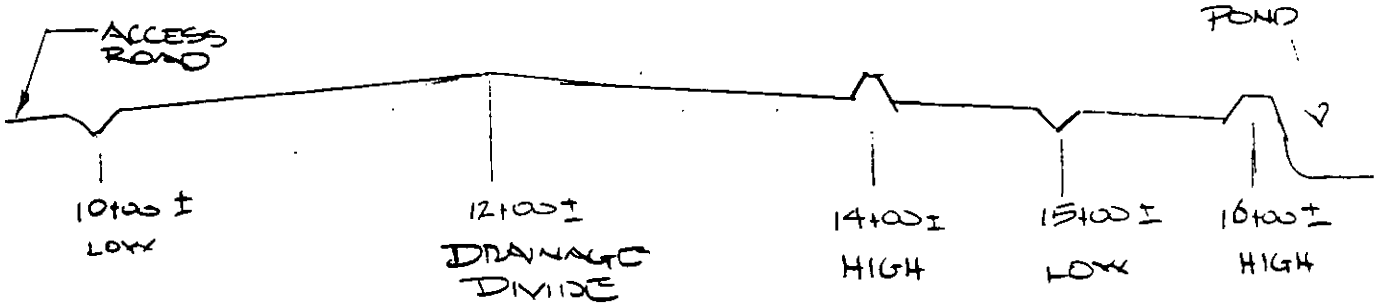
	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 10+00 TO 16+00

OTHER _____

4. REMARKS TEMPORARY EARTH BERM THAT IS CONSTRUCTED ALONG THE INSIDE OF THE WEST DIKE AT STA 10+00± TO 16+00 I HAD SOME LOCAL HIGH SPOTS AND LOW SPOTS THAT WILL IMPEDE DRAINAGE ON THE CELA SIDE OF THE BERM.



SKETCH OF PROFILE AT CELA SIDE OF BERM

INSPECTOR A. MUELLER/ETLG DATE 8.4.90

REVIEWED BY David Dutcher DATE 8/6/90

8/15

FORM A-2
SHEET ___ OF ___

TOPSOIL STRIPPING

INSPECTION DATE 8/4/90

1. VERIFICATION INSPECTION	ACCEPT	REJECT	N/A
- TOPSOIL AND ORGANIC MATERIAL WITHIN DIKE FOUNDATION AREA REMOVED TO A MINIMUM OF 6 INCH DEPTH.	___	___	___
- DIKE FOUNDATION AREA IS FREE OF ORGANIC MATERIAL.	___	___	___
- STRIPPING IS MONITORED AS PER SAMPLING & ANALYSIS PLAN	X	___	___

2. DUST CONTROL

ACTION TAKEN Haul Roads sprayed when needed

3. LOCATION (APPROXIMATE)

DIKE STATION 16+25 TO 22+00

4. REMARKS Topsoil is stripped but some vegetation still remains on the slopes. Needs Gary's approval.

INSPECTOR P. Porter DATE 8/5-/90

REVIEWED BY D. Dekker DATE 8/6/90

9/15

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-3-90

Work Areas Checked:
N End of CELA
NE of CELA
N of CELA

Employees Present in Work Areas: Bob McKim, Clint McKim, Norman Tracy, Gail Reed, Phil Smith, Grant Mackele, Scott Hunt, Kurt Ettinger, Jon Arr, Craig Carrow, George Lasusky, Pete Porter, Mun Mullerlile

Equipment Being Utilized: Truck(s), Roller, Scraper, Water Truck, Chipper, loader (2 Dump trucks - subcontracted)

PPE Being Utilized: level D modified) Tyvek, steel toe (rubber/neoprene) boots, gloves (inner, outer), Hard hat, (safety glasses & ear plugs when needed)

Accidents/Breeches of Procedures:

Note: Mr. Craig Carrow cut his leg with a machete on another job site - he used some of our medical supplies from the first aid kit (bandages, disinfectant). I saw the cut and recomended he have it looked at for possible stitches - (the cut was not bleeding at this point but appeared rather deep)

Activities: Loading Top soiling into Dump trucks with Trackhoe N.E of CELA - Dump trucks hauling to N.W CELA & Dumping (dozer, scraper moving soil into CELA edge. Tree removal N End of CELA (bottom of road to Top) with dozer

Time 1250, Temp = 82°F, Sunny, slight SW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8-3-90 - 1252	N.E of CELA	HNu	PI101	Cal = 111ppm Isobutylene BG = 0 ppm	0ppm	Real Time
8-3-90 - 1253	N.E. of CELA	Miniram	PDM-3	Z bag for zeroing	0.00mg/m³	R.T.
8-3-90 - 1254	N.E of CELA	CGI	261	15% O₂, 50% LEL	20% O₂, 0% LEL	R.T.
8-3-90 - 1309	N.W. of CELA	HNu	PI101	Same as above	0ppm	R.T.
8-3-90 - 1310	N.W. of CELA	Miniram	PDM-3	Same as above	0.00mg/m³	R.T.
8-3-90 - 1311	N.W. CELA	CGI	261	Same as above	20% O₂, 0% LEL	R.T.
8-3-90 - 1411	N.E of CELA	CGI	261	Same as above	20% O₂, 0% LEL	R.T.
8/3/90 - 1412	N.E of CELA	HNu	PI101	Same as above	0ppm	R.T.
8/3/90 - 1413	N.E of CELA	Miniram	PDM-3	Same as above	0.00mg/m³	R.T.
8/3/90 - 1522	N.E of CELA	HNu	PI101	Same as above	0ppm	R.T.
8/3/90 - 1523	N.E of CELA	Miniram	PDM-3	Same as above	0.00mg/m³	R.T.
8/3/90 - 1524	N.E. of CELA	CGI	261	Same as above	20.3% O₂, 0% LEL	R.T.
8/3/90 - 1649	N.E of CELA	CGI	261	Same as above	20.3% O₂, 0% LEL	R.T.
8/3/90 - 1650	N.E of CELA	HNu	PI101	Same as above	0 ppm	R.T.
8/3/90 1652	N.E of CELA	Miniram	PDM-3	Same as above	0.00 mg/m³	R.T.

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-3-90

Equipment: HNu, CGI miniram

Real-Time Air Monitoring Results and Work Area

- No readings above background/normal for all instrumentation - No new areas of ground disturbed today - grated Top Soil pile from previous day was relocated from N.E of CELA to N.W of CELA

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111ppm Isobutylene
CGI = 15% O_2, 50% LEL
Miniram = Z-bag for zeroing

John App
Licensed Survey

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
• CANONIE ENVIROMENTAL

FOR
• DAILY TIME RECORD

DATE: 8/3/90

Work Performed	No. Hours	Misc. Information
CONSTRUCTION CONTROL WORK	6½	1 MAN & CANONIE LABORER.
ORIGINAL GROUND LEVEL WORK NY DIKE	10½	2 MAN
	Total	
	6½ @ 1MAN	Signatuer of responsible part
	10½ @ 2MAN	George Tyger

13/15

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 3 Aug 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:48/11:39	2:10/3:00	
C-2 L. Dekker	6:48/3:00	/	
C-3 P. Porter	6:51/12:21	12:22/12:24	2:40/4:30 5:00/6:25
C-4 A. Muellerleile	7:10/12:37	1:08/6:25	
C-5 C. Ettinger	7:00/12:13	12:24/6:05	
C-6 F. Gontowski	/	/	
C-7 C. Chang	7:04/12:37	1:08/6:05	
C-8 J. App	6:51/12:18	12:30/2:10	5:04/6:05
C-9 G. Lazusky	6:51/6:05	/	
C-10 C. Carrow	—/5:40	/	
C-11 B. Mckim	6:37/5:30	/	
C-12 C. Mckim	6:40/5:30	/	
C-13 G. Reid	6:37/5:30	/	
C-14 N. Tracy	6:48/5:48	/	
C-15 G. Maichele	6:30/6:05	/	
C-16 S. Hunt	6:20/6:05	/	
C-17 P. Smith	6:37/5:30	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:40/11:02	11:50/12:22	12:51/1:08 1:55/3:40 4:00/6:2
E-2 T. Granger	/	/	
E-3 S. Stiles	6:40/6:41	11:30/1:08	1:55/6:20
E-4 C. Swan	6:55/7:52	10:28/1:00	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:32/—	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	1:31/11:40	/	
S-2 A. Palmer	1:31/11:40	/	
S-3 Jerry Palmer	5:56/12:00	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	1:55/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 3 Aug. 1990

No./Name	Time In/Out	Time In/Out	Remarks
Tim Vogel	7:15/5:10		Ungerman truck
Dale Zanders	8:33/9:04		Shorts Oil Co.
Magley Clark	8:38/5:30		Ungerman truck
Adams Septic Service	9:15/9:23		pump toilets
UPS	10:28/10:30		2 piece delivery
Larry York	11:30/1:30		York Electrical Co.
Bill Hansen	11:50/12:18		Wellsville DPW
FedEx	1:49/1:52		2 piece deliv.
UPS	4:15/4:20		

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
August 2, 1990

Plan of Day
- °Continue stripping topsoil
- °Continue Grubbing
- °Complete CELA Impoundment
- °Complete clean haul road
- °Complete decon pad
- °Decon equipment D-6 dozer

Jeff Reynolds called about memo from Canonie regarding drinking water. He thinks we should let them have drinking water in the CRZ. I will discuss with Dave and Kurt. I discussed, with Dave, a possible reduction of level "D" requirement as soon as possible. He agrees. I will start process.

Niel Geevers called, needs info. on report used for reporting of progress, inspt., incidents and accidents.

Weekly Progress Meeting. - See Meeting Minutes.

Mike asked me to get price for John App to do a property boundary line survey of county, Niagara Mohawk and Otis Eastern property.

Talked with Dave about doing survey for ARCO. He will get a price from Jon App and submit for my approval.

Three visitors came on site from the north end of dike. One had a rifle. They were brought to the compound and turned over to the guard. See his report. They said the fence was down and no signs were up. Kurt E. was dispatched to check this.

Allan came with the surveyor information on the NY dike. It looks as tho we have a bust of 18'± to the east. I checked the old versus new coordinates, and all of App's. Distance and angles check.

Kevin called back, after I called to check with him. After looking at problem and running numbers, they think it could be a bust of 1° at PI-3 or PI-2 either one would give the 18 to 20' difference. They would like an independent check from a different fixed ref. pt. check off N-E coordinate line at SLA. I will ask Jon App to do this.

I went to Canonie talked with Dave D., Allan M. and Chie C. I asked them to measure from a coordinate pt. near the SLA. They refused. I said I would get somebody else. I called Thomas Hallett. They have just completed verification of all the NYDOT pts. from the Pa. state line to just north of Wellsville. We will have to go to Hornell to get the information. Then, Dave came and said his surveyors have controls at the SLA and can do what I asked.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 8/2/90 DAY: Thursday HRS.WRK. 10hrs REPORT NO. 37

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. 0-5 Dir. S

PRECIPITATION: None HUMIDITY: Mod. RIVER EL: AM 4.44 PM 4.43

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1	R.E. 2
	H&SO ____	P.E. 1
	C/SE ____	QCM ____
	P.M. ____	H&SO 1
	HOP ____	P.M. ____
	" ____	P.SEC 1
	" ____	HOP ____
ARCO	P.M. 1	" ____
OTHERS	____	CANONIE SUB. App Surveyors
"		SUPV. 1 EMPS. 2
USCOE/EPA	1	SUB. ____
"	____	SUPV. ____ EMPS. ____

VISITORS 3 trespassers

See Security Log Attached

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	10			
" 12G	10			
(Sheep)Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		Stand-by		
Hertz Wtr.Trk			Expected Arrival Aug 3	
ACPR.		Stand-by		
Chipper		Stand-by		
Generator/Steam Genny	10			

1/22

MEETINGS:

PLAN OF DAY Make sure to install erosion control around CEIA compound, disturbed ground & stump containments. Continue stripping topsoil from Sta 9+00 on through. Finish Grubbing from Sta 11+00 on through.

SAFETY Demob all before it comes out of the CEIA Compound. Finish the drain on the decon/wash pad. Install N. end of Sub wash trailer when it arrives.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity Item # 205 (Grade Survey Control)
403 (Grub West Bank)
501 (Strip topsoil West Bank Clean Area)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER Arrivals: Wash Trailer for N. end of Jobsite

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	1.3	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY	1907	CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC. # 2		2733 Ln.
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

#203 (construction Survey Control)

- Cross-section original Ground on West Bank Dike (NF Dike)
- Set Construction Controls

Plan Review

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS See Inspection Sheets

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	5, 2, 1, 1	5E, 4, 4, 1
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0911	Top of CELA	HNu	Real Time	0.5 ppm
2	0921	Top of CELA	Miran	R.T	0 ppm
3	0923	Top of CELA	CGI	R.T	20.5% O2, 0% LEL
4	1324	NE of CELA	HNu	R.T	0.2 ppm
5	1240	NE of CELA	Miran	R.T	0 mg/m3
6	1241	NE of CELA	CGI	R.T	20.8% O2, 0% LEL
7	1429	NE of CELA	CGI	RT	20.5% O2, 0% LEL
8	1430	NE of CELA	HNu	RT	0 ppm
9	1431	NE of CELA	Miran	RT	0 mg/m3
10	1516	NE of CELA	HNu	RT	0 ppm

Air sampling shift work log

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0930	Top of CELA	2/Liaison	Level D(modified)	None
2	1400	NE of CELA	4/Investigators	Level D(modified)	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: None Emps. Out: None

Equipment: In: One Out: One

Venders Equipment: In: None Out: None

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	[redacted]				
2	0915	Top of CELA (Storage area)	Razer (DHP)	No injury/damage	

Accident/Breeches Report: Unit Mask in drive the decontaminated storage area prior to proper decontamination and verification

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION At approximately 1:00 pm three individuals were found trespassing on the site. They were logged and escorted out through the main gate after being given a warning. (1:07 pm.)
John + Lucian Fegley 105 Scott Ave. Wellsville 593-4029
Dan Padolski 23 Maple Ave Wellsville 593-3629

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

NO Further Accidents or Incidents to report 2 august 1990

Daily Report

Canonie Environmental
500 N. Gulph Road · Suite 315
King of Prussia, Pennsylvania 19406
215, 337 2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/3/94 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88 093 | LOCATION OF WORK: West Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity Item # 402 (Grub West Bank)
- Removed Grubbing piles sta 12+00 - sta 15+00 ~ .9 acre
- Grubbed from Sta 15+00 - 16+50 ~ .33 acre
  21+50 - 22+30 ~ .07 acre

501 (Strip Topsoil West Bank Clean Area)
- Sta 9+00 - Sta 11+50 approx 100' x 250 x 1' ~ 926 yd³
- Sta 11+50 - 12+75 approx 50' x 125 x 3' ~ 463 yd³
- Sta 12+75 - Sta 14+00 approx 75' x 125 x ~~1.5'~~ 1.5' ~ ~~694~~ 520 yd³
  total ~ ~~2083~~ yd³ 1909 yd³

All topsoil is stockpiled along the road side
- Started Stripping Sta 14+00 - Sta 16+00

Other:
1) Completed installing erosion control around
   - CELA Compound Area
   - disturbed ground area on CELA
   - Stump Containment

2) Located and Placed wash trailer at N end of the Project
   - Started to assemble after spot was leveled and stoned

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

7/22

FORM A-1
SHEET 1 OF 5

CLEARING AND GRUBBING

INSPECTION DATE _____

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- AREA TO BE CLEARED IS STAKED BY THE SURVEY CREWS TO CONFORM WITH THE CONTRACT DRAWINGS.	X		
- DIKE FOUNDATION AREA IS STAKED AT 50' MAXIMUM SPACING ALONG DIKE AND ELEVATIONS AND LOCATIONS ARE RECORDED.			
- AREA IS FREE OF TREES, BRUSH, LOGS, LIMB WOOD, RUBBISH AND OTHER OBSTRUCTIONS.	X		
- STUMPS, ROOTS LARGER THAN 1-1/2 INCHES IN DIAMETER AND DECAYED MATTER REMOVED TO AN 18" DEPTH FROM AREA REQUIRING GRUBBING.	X		

2. DUST CONTROL

ACTION TAKEN None

3. LOCATION (APPROXIMATE)

DIKE STATION 9+00 TO 22+30

4. REMARKS Sta 9+00 - Sta 14+00 ; removed piles of grubbing debri. Sta 14+00 - Sta 16+50 ; removed stumps & roots larger than 1½" and placed in stump containment. Sta 16+50 - Sta 21+50 ; No grubbing needed Sta 21+50 - Sta 22+30 ; removed stumps & larger roots and placed in stump containment

INSPECTOR R. Porter DATE 8/2/90

REVIEWED BY [illegible] DATE 8/2/90

8/22

FORM A-2
SHEET 2 OF 5

TOPSOIL STRIPPING

INSPECTION DATE _____

1. VERIFICATION INSPECTION	ACCEPT	REJECT	N A
- TOPSOIL AND ORGANIC MATERIAL WITHIN DIKE FOUNDATION AREA REMOVED TO A MINIMUM OF 6 INCH DEPTH.	X		
- DIKE FOUNDATION AREA IS FREE OF ORGANIC MATERIAL.	X		
- STRIPPING IS MONITORED AS PER SAMPLING & ANALYSIS PLAN	X		

2. DUST CONTROL

ACTION TAKEN None

3. LOCATION (APPROXIMATE)

DIKE STATION 9+00 TO 11+50

4. REMARKS There appears to be a soft area from Sta 9+25 - 9+75 which is a low spot. Topsoil was placed as a pile at sta 9+00 and sta 11+00 awaiting removal

INSPECTOR P. Porter DATE 8/2/90

REVIEWED BY David K. Clark DATE 8/2/90

9/22

FORM A-2
SHEET 3 OF 5

TOPSOIL STRIPPING

INSPECTION DATE _____

1. VERIFICATION INSPECTION	ACCEPT	REJECT	N/A
- TOPSOIL AND ORGANIC MATERIAL WITHIN DIKE FOUNDATION AREA REMOVED TO A MINIMUM OF 6 INCH DEPTH.	X		
- DIKE FOUNDATION AREA IS FREE OF ORGANIC MATERIAL.	X		
- STRIPPING IS MONITORED AS PER SAMPLING & ANALYSIS PLAN	X		

2. DUST CONTROL

ACTION TAKEN None

3. LOCATION (APPROXIMATE)

DIKE STATION 11+50 TO 12+75

4. REMARKS Topsoil on either Side of Backwash was removed and piled at Sta 12+75. The Backwash will have to be altered in order to excavate the key trench.

INSPECTOR P. Porter DATE 8/2/90

REVIEWED BY [illegible] DATE 8/2/90

10/22

FORM A-2
SHEET 4 OF 5

TOPSOIL STRIPPING

INSPECTION DATE _____

1. VERIFICATION INSPECTION	ACCEPT	REJECT	N/A
- TOPSOIL AND ORGANIC MATERIAL WITHIN DIKE FOUNDATION AREA REMOVED TO A MINIMUM OF 6 INCH DEPTH.	X		
- DIKE FOUNDATION AREA IS FREE OF ORGANIC MATERIAL.	X		
- STRIPPING IS MONITORED AS PER SAMPLING & ANALYSIS PLAN	X		

2. DUST CONTROL

ACTION TAKEN None

3. LOCATION (APPROXIMATE)

DIKE STATION 12+75 TO 14+00

4. REMARKS Topsoil Stripped and placed in a pile at Sta 12+75 - Sta 13+25 awaiting removal.

From Sta 12+00 - Sta 13+00 ; an odor was present when first uncovered. No sustained readings on the HNU were present in the breathing zone

INSPECTOR P. Porter DATE 8/2/90

REVIEWED BY [illegible] DATE 8/2/90

11/22

FORM A-11
SHEET 5 OF 5
INSPECTION DATE _____

EROSION AND SEDIMENT CONTROL

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION _____ TO _____

OTHER CELA Compound + Stump Containment

4. REMARKS Silt fence placed around CELA Compound. hay bale were placed at low areas in disturbed areas on CELA. Placed silt fence around Stump Containment. Maintenance on silt fence will be done when needed

INSPECTOR P. Porter DATE 8/6/90

REVIEWED BY [illegible] DATE 8/7/90

12/22

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-2-90

Work Areas Checked: Top of CELA
NE of CELA

Employees Present in Work Areas: Carl Reed, Kurt Ettinger, Norm Tracy, Bob McKim, Clint McKim, Phil Smith, Grant Madeline, Scott Hunt, Pete Porter, Dave Pekker

Equipment Being Utilized: Dozer, Loader, Tractor, water truck, grater

PPE Being Utilized: Modified level D - Tyvec, gloves, boots (steel toe rubber/neoprene) hard hat (safety glass & ear plugs where needed)

Accidents/Breeches of Procedures:

Cleared had to be re-cleared/grated and the dozer had to be decontaminated after Clint McKim drove it out from the Top of the CELA storage area before it was sufficiently decontaminated and a visual inspection completed.

13/22

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-2-90

Equipment: HNu, miniram, CGI

Real-Time Air Monitoring Results and Work Area

HNu and CGI readings near normal/background levels
Miniram dust readings low in AM. and early PM. - higher levels late PM from greater working in dry (N. of CELA) area ~~[illegible]~~ - grating discontinued for day at this time -

Personnel Sampling

None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene
CGI = 15% O_2 50% LEL
Miniram = [redacted] Z-bag for zeroing

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending:

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

Clint McKim brought the OHP dozer out of the contaminated storage area before decontamination was complete and a visual inspection was done

Job-Related Illness or Injuries

None

Weather Data Sunny days (Fog in AM)
Temp ≈ 50°F – 55°F
wind - varying
humidity - low – moderate

Air Monitoring Summary

HNU: Generally background - digging of storage pad saw 1–3 ppm above bgs in breathing zone

CGI - normal O_2 and no LEL levels above 0% found

Miniram - No significant dust levels found (H2O truck used as dryer conditions persisted) for extended periods of time

15/22

Activities: Sizing, Truckloe-Stripping Top soil in N E CELA, putting [illegible] fence around decon storage area on top of CELA, grating clean rds

Time 0715, temp = 70°F, sunny, no wind, low humidity

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

ate/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/2/40-0914	Top of CELA By storage pad	HNu	PI 101	0.4 Methane Equivalent 150 ppm	0 ppm	Real Time
8/2/40-0921	Top of CELA by storage Pad	Miniram	PDM-3	Z-Seg for zeroing	0.000 mg/m³	R T
8/2/40-0933	Top of CELA by storage Pad	CGI	261	15% O₂, 50% LEL	20.8% O₂, 0% LEL	R T
8/2/40-1334	N.E End of CELA (Outside of CELA)	HNu	PI 101	Same as above	0.2 ppm	R T
8/2/40-1340	N E of CELA	Miniram	PDM-3	Same as above	0.00 mg/m³	R T
8/2/40-1341	N E of CELA	CGI	261	Same as above	20.9% O₂, 0% LEL	R T
8/2/40-1424	N E of CELA	CGI	261	Same as above	20.8% O₂, 0% LEL	R T
8/2/40-1430	N.E of CELA	HNu	PI 101	Same as above	0 ppm	R T
8/2/40-1431	N E of CELA	Miniram	PDM-3	Same as above	0.000 mg/m³	R T
8/2/40-1516	N E of CELA	HNu	PI 101	Same as above	0 ppm	R T
8/2/40-1517	N E of CELA	Miniram	PDM-3	Same as above	0.000 mg/m³	R T
8/2/40-1519	N E of CELA	CGI	261	Same as above	20.5% O₂, 0% LEL	R T
8/2/40-1617	N.E. of CELA (Grading)	Miniram	PDM-3	Same as above	0.2 mg/m³	R T
8/2/40-1619	N E of CELA (Grading)					

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 2, August, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Dale Davison	9:50/9:58		Davison Contracting
UPS	10:41/10:43		1 piece del.v.
Culligan	11:24/11:47		30 bottles H2O / 2000 cups
Marvin Neff	12:19/6:18		Beckwith Machinery Co.
John Fegley 593-9029	105 Scott Ave. Wellsville	1:00/1:07	trespassers
Lucian Fegley		1:00/1:07	trespassers
Dan Podolski 593-3629	23 Maple Ave Wellsville	1:00/1:07	trespassers
Bob Darden	1:41/1:42		Ray Kerhart's Garage (wash trailer)
FedEx	1:55/1:57		3 deliveries / 3 pickups
Dan Johnson	1:53/1:55		
Charlie Parker	2:49/2:53	3:52/3:56	to see D. Dekker
Yellow Freight	4:03/4:34		
UPS	4:22/4:22		
Evan Wolbert	4:39/5:41		Ban Clean

D. Dekker
L. Dekker
G Stiles
S Stiles
C. Chang
A Muehlerbile
P. Porter
~~S. Hart~~

All Still working

17/22

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 2 August 1990

No./Name	Time In/Out	Time In/Out	Remarks In / Out
C-1 D. Dekker	6:50 / 12:09	12:49 /	
C-2 L. Dekker	6:50 / 12:09	12:49 /	
C-3 P. Porter	6:31 / 9:18	9:42 / 11:35	12:32 /
C-4 A. Muellerleile	7:03 / 2:13	2:27 /	
C-5 C. Ettinger	7:00 / 12:14	12:29 / 6:16	
C-6 F. Gontowski	/	/	
C-7 C. Chang	7:03 / 7:58	8:56 / 1:15	1:49 /
C-8 J. App	7:00 / 6:21	/	
C-9 G. Lazusky	7:00 / 6:21	/	
C-10 C. Carrow	8:26 / 5:23	/	
C-11 B. Mckim	7:00 / 11:56	12:01 / 5:28	
C-12 C. Mckim	6:40 / 5:28	/	
C-13 G. Reid	6:42 / 5:28	/	
C-14 N. Tracy	6:43 / 5:28	/	
C-15 G. Maichele	6:27 / 6:05	/	
C-16 S. Hunt	6:25 / 4:28	5:17 / 6:29	
C-17 P. Smith	6:40 / 5:28	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:35 /	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	11:55 / 1:47	2:30 /	
E-4 [illegible]	7:14 / 3:17	/	
E-5	/	/	
A-1 M. Turko	11:00 / 2:24	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:26 / 12:30	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	7:00 / 2:03	/	
S-4 T. Cobb	2:03 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

PROJECT ENTRY PERMIT

DATE: 8-3-90 TIME IN: 6:30 am TIME OUT: 8:20pm

NAME: Gary L Styles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-2-90 TIME IN: 12:30pm TIME OUT: 8:20pm

NAME: ~~Gary~~ Sue L Styles

COMPANY: EBASCO

BADGE No: E-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/2 TIME IN: 6:31 am TIME OUT: 7:20 pm

NAME: P. Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-2-90 TIME IN: 7:03 am TIME OUT: 7:05 PM

NAME: Clint Craig

COMPANY: CANONIE

BADGE No: C-7

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/2 TIME IN: 7 03 TIME OUT: 7:15 am

NAME: A. Mallorca

COMPANY: Canonie

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-2-90 TIME IN: 6:50 am TIME OUT: 7:20 pm

NAME: [illegible]

COMPANY: [illegible]

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-2-90 TIME IN: 6:00 TIME OUT: 7:20 p.m.

NAME: Dan Cibbi

COMPANY: C

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

John App
Licensed Surveyor

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: AUG 2, 1990

Work Performed	No. Hours	Misc. Information
PLAN REVIEW	3	3 MAN CREW
CROSS SECTION ORIGINAL GROUND WEST BANK DIKE	8	3 MAN CREW
SET CONSTRUCTION CONTROLS	8 1/2	1 MAN & CANONIE LABORER
	Total	
	11 1/2 MAN	Signatuer of responsible part
	8 1/2 1 MAN	George App

22/22

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORTS
August 1, 1990

Arrived at 6:00a.m.

Plan of Day Meeting
- °Continue Clearing
- °Continue Grubbing
- °Complete Decon Pad
- °Gravel Clean Road Turn Around
- °Layout GELA Impoundment
- °Construct CELA Impoundment

Told Dave to contact me as soon as they have completed layout of impoundment.

Looked at dike foundation area with Dave (0=00 to 9=00) Looks good , there is one soft spot at 7+30± and some flu dust and building rubble at 6+5+, but may not be in toe fdn. Will monitor during excavation.

Looked at CELA Impoundment layout. Suggested it be moved to the north. Dave agrees. There is soft spot, lot of cattail growth and some debris and rubble in the area of the original location.

Stubby asked about completion date. I told him it was still November 5, per original Canonie schedule, of Jun 11.

Kevin, Mike Carleo, Allen Marr and Mike T urco arrived at 10:15a.m., 11:15a.m., and 11:20a.m..

Meeting on test fill pad.

Dave came in,they hit soft-waste material at about 1'3" below grade, at the CELA impoundment. Kurt was going out to get reading. I told him not to go any deeper. Walk the slope to seal them, pickup some soil from north of impoundment to cover and seal odors.

I went with Mike T., Kevin F., Mike C., Allen M., and Cal to the CELA pool area to look at location for test fill. Allen probed the pool with some sticks and walked around the surface behind me. After 20 min., he asked where I would build the test fill? When I told him, he said he was thinking the same thing. Later, Mike C. asked me the same question, and agreed the same way. We returned to the office and discussed the location, test equipment and construction method. Cal and I will determine the location, and have Apps Survey establish coordinates. I will do a cost estimate and an activity schedule.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 8/1/90 DAY: Wednesday HRS.WRK. 10 hrs REPORT NO. 36

WEATHER INFORMATION:

TEMPERATURE: High 80 Low 50 WIND: Mph. 5-10 Dir. S.

PRECIPITATION: None HUMIDITY: Low RIVER EL: AM - PM 4.46'

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1	R.E. 2	
	H&SO	P.E. 1	
	C/SE	QCM	
	P.M.	H&SO 1	
	HOP 2	P.M.	
	"	P.SEC 1	
	"	HOP 1	
ARCO	P.M. 1	"	
OTHERS	2 Re-Tech	CANONIE SUB.	APP Surveyors
"		SUPV. 1	EMPS. 2
USCOE/EPA	1	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log sheet #3		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	10			
" 12G	10			
(Sheep)Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		Stand-by		
Hertz Wtr.Trk				Arrival Aug. 2
ACPR.		Stand-by		
Chipper	10			
Steam Genny		Stand-by		

1/3

MEETINGS:

PLAN OF DAY Start / Finish Compound on CELA
Continue grubbing from Sta. 9+00
Finish Clearing : Continue road on top of CELA

SAFETY Make sure to have Respirators close by when building Compound on CELA

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Item # 401 (Clear West bank Clear Area)
403 (Grub West bank)
305 (Construct CELA Storage AREA)
203 (Construction Survey Control)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	.41	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	.90	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC. #2		162.25 lbs
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. #2	None	189.58 lbs	MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

203 (Construction Survey Control)
Cross-section Sta 13+00 - Sta 16+50
Sta 21+50 - Sta 22+30
Layout at CELA Storage Area

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS See Attached Inspection Sheets pg 8 - pg 13

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	2	20
"D" mod	6, 2, 1	60, 4, 4
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0944	Top of CELA	HNu	Real Time	0 5ppm
2	0944	Top of CELA	Miniram	R.T.	0.000mg/m³
3	0950	Top of CELA	CGI	R.T.	20.8% O₂, 0% LEL
4	1015	Top of CELA	HNu	R.T.	0 5 ppm
5	1016	Top of CELA	Miniram	R.T.	0.000mg/m³
6	1017	Top of CELA	CGI	R.T.	20.8% O₂, 0% LEL
7	1025	Top of CELA	HNu	R.T.	1 ppm
8	1026	Top of CELA	CGI	R.T.	20.8% O₂, 0% LEL
9	1027	Top of CELA	Miniram	R.T.	0.000 mg/m³
10	1100	Top of CELA	HNu	R.T	1.5 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1157	wash Trailer	6	Mod. Fied - D	None
2	1406	Top of CELA	2/Dozer	Modified D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 1 Emps. Out: 1

Equipment: In: 1 Out: 0

Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None.				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Accidents or Incidents to report 1 August 1990

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8/1/90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: CELA / West Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity Item # 401 (Clear West Bank Clean Areas)
- completed clearing Sta 15+50 - 16+50 ~ .31 acres
Sta 21+50 - 22+30 ~ .10 acres

* Clearing West Bank is Completed

Item # 403 (Grub West Bank)
- completed Grubbing Sta 9+00 - Sta. 12+00 ~ .9 acre
- Grubbed from Sta 12+00 - Sta. 15+00 ~ .9 acre
- Grubbing debri is placed in piles

Item # 305 (Construct CELA Storage Area)
- retated CELA Storage Area ~ 160° ~~CLOCKWISE~~ from S 46° E
Approved by Dave Dekker and Gary Stiles

- Constructed Storage Area and compacted the berms
- Completed the road through the CELA and up to the compound

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

7/23

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-1-90

Equipment: HNu, CGE, Miram

Real-Time Air Monitoring Results and Work Area

HNu levels varied from 0.5 ppm (background) up to 10 ppm while digging storage pad on top of the CELA - No sustained levels above 1 ppm in the breathing zone were observed - The source of contamination at ground level read from 15-50 ppm. CGE and Miram levels were normal/background

Personnel Sampling

None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGE = 15% O_2, 50% LEL

Miram = Z-bag for zeroing

8/23

Activities: Building storage area (contaminated storage) on Top of CELA, Grading SW E. of CELA clean rd building across CELA.

Time 0930, Temp ≥ 60°F, sunny, NW wind, low humidity

SCS.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8-1-90 - 0445	Top of CELA	HNu	PI101	Cal = 10 ppm Isobutylene BG = 0.5 ppm	0.5 ppm	Real Time
8/1/90 - 0444	Top of CELA	Miniram	PDM-3		0.00 mg/m³	R.T.
8/1/90 - 0450	Top of CELA	CGE	261	— 15% O₂, 5% LEL	20.8% O₂, 0% LEL	R.T.
8/1/90 - 1015	Top of CELA	HNu	PI101	— same as above	0.5 ppm	R.T.
8/1/90 - 1016	Top of CELA	Miniram	PDM-3	— same as above	0.00 mg/m³	R.T.
8/1/90 - 1017	Top of CELA	CGI	261	— same as above	20.8% O₂, 0% LEL	R.T.
8/1/90 - 1025	Top of CELA	HNu	PI101	— same as above	1 ppm	R.T.
8/1/90 - 1026	Top of CELA	CGI	261	— same as above	0% LEL, 20.8% O₂	R.T.
8/1/90 - 1027	Top of CELA	Miniram	PDM-3	— same as above	0.00 mg/m³	R.T.
8/1/90 - 1100	Top of CELA	HNu	PI101	— same as above	1.5 ppm	R.T.
8/1/90 - 1101	Top of CELA	CGI	261	— same as above	20.8% O₂, 0% LEL	R.T.
8/1/90 - 1103	Top of CELA	Miniram	PDM-3	— same as above	0.00 mg/m³	R.T.
8/1/90 - 1133	[Top of CELA in Bermed-in area	HNu	PI101	— same as above	7 ppm	R.T.
8/1/90 - 1135	[Top of CELA in Bermed-in storage area	CGI	261	— same as above	0% LEL, 20.8% O₂	R.T.

9/28

[redacted] Activities: Building storage area (contaminated storage) on Top of CELA, Grubbing E of CELA, clean rd building across CELA.

Time 1320, Temp ≈ 75°F, NW wind, sunny, low humidity

GLE

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

(Building / storage pad)

BZ = breathing zone

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/1/90 - 1330	Top of CELA	PENU	PI101	Cal = 111ppm Isobutylene		
8/1/90 - 1345	Top of CELA	HNU	PI101	BG = 0.5ppm	1 ppm BZ	Real Time
8/1/90 - 1410	Top of CELA	HNU	PI101	Same	0.5ppm BZ	R.T.
8/1/90 - 1417	Top of CELA (downwind 10ft)	HNU	PI101	Same	0.5ppm BZ	R.T.
8/1/90 - 1430	Top of CELA	HNU	PI101	Same	2 ppm BZ	R.T.
8/1/90 - 1451	Top of CELA downwind - 10 ft	HNU	PI101	Same	1 ppm BZ	R.T.
8/1/90 - 1453	Top of CELA	CGI	241	15% C_6 - 50% LEL	0.5ppm BZ	R.T.
8/1/90 - 1455	Top of CELA	miniram	PDM-3	Z-bag for zeroing	20.1% O_2, 0% LEL BZ	R.T.
8/1/90 - 1520	Top of CELA	HNU	PI101	Same	0.00mg/m³ BZ	R.T.
8/1/90 - 1522	Top of CELA	HNU	PI101	Same	0.5 ppm BZ	R.T.
8/1/90 - 1549	Top of CELA	HNU	PI101	Same	3 ppm BZ	R.T.
8/1/90 - 1550	Top of CELA	HNU	PI101	Same	1.5ppm BZ	R.T.
8/1/90 - 1620	Top of CELA	HNU	PI101	Same	0.5 ppm BZ	R.T.
8/1/90 - 1622	Top of CELA	CGI	241	Same	0.5 ppm BZ	R.T.
8/1/90 - 1623	Top of CELA	miniram	PDM-3	Same	20.3% O_2, 0% LEL BZ	R.T.
8/1/90 - 1650	Top of CELA	HNU	PI101	Same	0.00mg/m³ BZ	R.T.
					1 ppm BZ	R.T.

10/28

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-1-90

Work Areas Checked:
Top of CELA

Employees Present in Work Areas: Clint McKim, Kurt Ettinger, Pete Porter, Bob McKim, Gail Reid, Norm Tracy, Phil Smith, Dave Dekker

Equipment Being Utilized: Dozer, loader, grater, Trackhoe, chipper, chainsaw

PPE Being Utilized: modified level D - Tyvek, gloves, steel toe boots, hard hat, chaps for chainsawing, safety glasses

Accidents/Breeches of Procedures:
None

11/23

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 1 August 1990

No./Name	Time In/Out	Time In/Out	Remarks In/Out
C-1 D. Dekker	6:53 /	/	
C-2 L. Dekker	6:53 /	/	
C-3 P. Porter	6:42 / 10:50	11:33 /	
C-4 A. Muellerleile	7:04 / 6:33	/	
C-5 C. Ettinger	6:53 / 12:12	12:32 / 6:20	
C-6 F. Gontowski	/	/	
C-7 C. Chang	7:06 / 6:33	/	
C-8 J. App	6:51 / 5:39	/	
C-9 G. Lazusky	6:51 / 5:39	/	
C-10 C. Carrow	8:30 / 2:31	/	
C-11 B. Mckim	6:35 / 5:30	/	
C-12 C. Mckim	6:37 / 5:36	/	
C-13 G. Reid	6:37 / 5:30	/	
C-14 N. Tracy	6:47 / 5:34	/	
C-15 G. Maichele	6:28 / 6:20	/	
C-16 S. Hunt	6:22 / 7:45	8:22 / 4:26	4:53 / 6:26
C-17 P. Smith	6:35 / 5:30	/	
C-18 ~~J Brouk~~ J Gouck	3:01 /	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:01 /	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:03 / 2:54	3:x /	
E-4 C. Swann	6:55 /	/	
E-5 K. Fitzgerald	10:29 /	/	
E-6 K. Romshonda			
A-1 M. Turko	11:28 /	/	
A-2 C. Carlico (Re-Tech)	11:19 / 5:49	/	
A-3 A. Moore (Re-Tech)	11:19 / 5:49	/	
C/E-1 D. Stubbs	9:35 / 11:51	12:06 / 2:06	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	5:57 /	/	
S-3 Jerry Palmer	~~6:57~~ / 2:0x	/	
S-4 T. Cobb	1:55 / 6:3x	/	
S-5 A. Fox	2:24 3:03	/	
S-6	/	/	

12/23

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 1 August 1991

No./Name	Time In/Out	Time In/Out	Remarks:
Dale Sanders	8 30/9:08		Shorts Oil Co
Boyd Green	8 40/8 99 XXX XXXXXXXXXX	5:39	Green Trucking
Jim Fisher 593-3641	12:18/12:24		job applicant
FedEx	1:40/1:41		2 piece deliv.
Charlie Baker	4:16/4:18		to See D. Dekker
UPS	4:18/4.22		3 pc. pick up

D Dekker
L Dekker
F. Foster
~~A. Mottertette~~
~~C Chang~~
J Brunk
G Stiles
S Stiles
L. Swank
K. Fitzgerald
M. Tinsley

All still working

13/23

PROJECT ENTRY PERMIT

DATE: 8-1-90 TIME IN: 10:30 AM ± TIME OUT: 8:10 PM

NAME: Kevin Fitzgerald

COMPANY: EBASCO

BADGE No: Home Office Personnel ~ Senior Design Eng.

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/1/90 TIME IN: 12:07 TIME OUT: 6:45

NAME: Sue Sykes

COMPANY: Ebasco

BADGE No: E-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/1/90 TIME IN: 6:55 TIME OUT: 2000

NAME: CAL SWAN

COMPANY: EBASCO

BADGE No: E-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-1 TIME IN: _____ TIME OUT: 8:00 Pm

NAME: Jack Hunter

COMPANY: Conoco

BADGE No: C-18

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-1-90 TIME IN: 6:00 Am TIME OUT: 8:10 PM

NAME: GARY L Stiles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-1-90 TIME IN: 10:30Am ± TIME OUT: 8:10 PM

NAME: MIKE TURCO

COMPANY: ARCO

BADGE No: Client Project Manager

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-1 TIME IN: _____ TIME OUT: 8 pm

NAME: Lorraine Dekker

COMPANY: Conmar

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/1/90 TIME IN: 6: TIME OUT: 8:00

NAME: Pete Porter

COMPANY: Conmar

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-1 TIME IN: _____ TIME OUT: 8:00 pm

NAME: Dave Dekker

COMPANY: Conmar

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

FORM A-2
SHEET 1 OF 6

TOPSOIL STRIPPING

INSPECTION DATE 8·1·90 ~10:00

1. VERIFICATION INSPECTION

	ACCEPT	REJECT	N/A
- TOPSOIL AND ORGANIC MATERIAL WITHIN DIKE FOUNDATION AREA REMOVED TO A MINIMUM OF 6 INCH DEPTH.	____	____	____
- DIKE FOUNDATION AREA IS FREE OF ORGANIC MATERIAL.	____	____	____
- STRIPPING IS MONITORED AS PER SAMPLING & ANALYSIS PLAN	X	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 3+25 TO 6+50

4. REMARKS ORIGINALLY, THIS AREA WAS COVERED WITH GRASS, NO TREES OR SHRUBS, AND DID NOT REQUIRE CLEARING OR GRUBBING. SOME INITIAL STRIPPING HAS BEEN ACCOMPLISHED BUT THERE ARE AREAS THAT HAVE ROOT MAT OR CLUMPS OF GRASS STILL PRESENT. ADDITIONAL WORK SHOULD BE UNDERTAKEN TO STRIP TO THE FULL 6" DEPTH. NO CONTAM. MATL ENCOUNTERED.

INSPECTOR A. MICHAELIS DATE 8·1·90

REVIEWED BY [illegible] DATE 8/1/90

17/28

FORM A-1
SHEET 2 OF 6

CLEARING AND GRUBBING ~10:00 INSPECTION DATE 8.1.90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- AREA TO BE CLEARED IS STAKED BY THE SURVEY CREWS TO CONFORM WITH THE CONTRACT DRAWINGS.	X		
- DIKE FOUNDATION AREA IS STAKED AT 50' MAXIMUM SPACING ALONG DIKE AND ELEVATIONS AND LOCATIONS ARE RECORDED.			
- AREA IS FREE OF TREES, BRUSH, LOGS, LIMB WOOD, RUBBISH AND OTHER OBSTRUCTIONS.	X		
- STUMPS, ROOTS LARGER THAN 1-1/2 INCHES IN DIAMETER AND DECAYED MATTER REMOVED TO AN 18" DEPTH FROM AREA REQUIRING GRUBBING.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 6+50 TO 9+00

4. REMARKS DIKE FOUNDATION SLOPE STAKES NOT YET INSTALLED. PRE CONSTRUCTION TOPO SURVEY COMPLETED. SOME HAND WORK NEEDED NEAR MONITORING WELL

INSPECTOR A. MUELLER DATE 8.1.90

REVIEWED BY Harold Nichols DATE 8/1/90

18/78

FORM A-2
SHEET 3 OF 6

TOPSOIL STRIPPING

INSPECTION DATE 8·1·90 ~10:00

1. VERIFICATION INSPECTION	ACCEPT	REJECT	N/A
- TOPSOIL AND ORGANIC MATERIAL WITHIN DIKE FOUNDATION AREA REMOVED TO A MINIMUM OF 6 INCH DEPTH.	X		
- DIKE FOUNDATION AREA IS FREE OF ORGANIC MATERIAL.	X		
- STRIPPING IS MONITORED AS PER SAMPLING & ANALYSIS PLAN	X		

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 6+50 TO 9+00

4. REMARKS IT APPEARS THAT THERE ARE SOFT AREAS NEAR THE ℄ THESE WILL LIKELY BE REMOVED DURING KEY TRENCH EXCAVATION. NO CONTAM. MATL. ENCOUNTERED.

INSPECTOR A. MUELLER/EILE DATE 8·1·90

REVIEWED BY [signature] DATE 8/1/90

19/2B

APPENDIX

FORM A-1
SHEET 4 OF 60

CLEARING AND GRUBBING ~ 10:00 INSPECTION DATE 8.1.90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- AREA TO BE CLEARED IS STAKED BY THE SURVEY CREWS TO CONFORM WITH THE CONTRACT DRAWINGS.	X		
- DIKE FOUNDATION AREA IS STAKED AT 50' MAXIMUM SPACING ALONG DIKE AND ELEVATIONS AND LOCATIONS ARE RECORDED.			
- AREA IS FREE OF TREES, BRUSH, LOGS, LIMB WOOD, RUBBISH AND OTHER OBSTRUCTIONS.			
- STUMPS, ROOTS LARGER THAN 1-1/2 INCHES IN DIAMETER AND DECAYED MATTER REMOVED TO AN 18" DEPTH FROM AREA REQUIRING GRUBBING.			

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 9+60 TO 14+00

4. REMARKS AREA HAS BEEN CLEARED, TREES REMOVED. STUMPS & LARGE ROOTS HAVE BEEN PULLED & PLACED IN PILES & AWAIT REMOVAL TO DISPOSAL AREA. NO CONTAM. MATL. ENCOUNTERED. RIP RAP PILE TO BE MOVED PRE-CONSTRUCTION TOPO SURVEY COMPLETED.

INSPECTOR A. MUELLER/ELLE DATE 8.1.90

REVIEWED BY [signature] DATE 8/1/90

20/23

FORM A-1
SHEET 5 OF 16
INSPECTION DATE 8·1·90

CLEARING AND GRUBBING ~10:00

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- AREA TO BE CLEARED IS STAKED BY THE SURVEY CREWS TO CONFORM WITH THE CONTRACT DRAWINGS.	X		
- DIKE FOUNDATION AREA IS STAKED AT 50' MAXIMUM SPACING ALONG DIKE AND ELEVATIONS AND LOCATIONS ARE RECORDED.			
- AREA IS FREE OF TREES, BRUSH, LOGS, LIMB WOOD, RUBBISH AND OTHER OBSTRUCTIONS.			
- STUMPS, ROOTS LARGER THAN 1-1/2 INCHES IN DIAMETER AND DECAYED MATTER REMOVED TO AN 18" DEPTH FROM AREA REQUIRING GRUBBING.			

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 14+00 TO 16+00

4. REMARKS TREES HAVE BEEN FELLED, SOME STUMPS HAVE BEEN PULLED & AWAIT REMOVAL TO DISPOSAL AREA. NO CONTAM. MATL ENCOUNTERED.

INSPECTOR A. MUELLER/LEILE DATE 8·1·90

REVIEWED BY [signature] DATE 8/1/90

FORM A-11
SHEET 6 OF 6
INSPECTION DATE 8·1·90 ~10:00

EROSION AND SEDIMENT CONTROL

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 5+75 TO 16+00

OTHER

4. REMARKS SILT FENCE INSTALLED 3' INSIDE LIMIT OF CLEARING, RIVER SIDE OF W. DIKE. HAY BALES PLACED IN LOW AREAS. SILT FENCE IN BACKWATER AT ~12+00 SHOULD BE CHECKED REGULARLY TO SEE IF MAINTENANCE IS NEEDED

INSPECTOR A. MUELLERLEILE DATE 8·1·90

REVIEWED BY [signature] DATE 8/1/90

John App
Licensed Surveyor

APP LAND SURVEYING
BOX 200
ELDRED, PENNSYLVANIA 16731
814/225-3670

REQUESTED BY:
- CANONIE ENVIROMENTAL

FOR
- DAILY TIME RECORD

DATE: AUG 1, 1990

Work Performed	No. Hours	Misc. Information
LOCATE & STAKE OUT OF TEMPORY CONTAMINATED STORAGE AREA IN CELA	2 HR	2MAN CREW
	1½ HR	3 MAN CREW
CROSS SECTION OF EXISTING GROUND OF WEST BANK DIKE	4 HR	3 MAN CREW
	2½ HR	2MAN CREW
	Total	
	5½ HR 3MAN	Signatuer of responsible part
	4½ HR 2 MAN	George Tappan

23/23

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 31, 1990

Arrived at 7:00 a.m.
Plan of Day:

* Continue dike fill construction.
* Complete layout and staking of tie in features with C.O.E. dike.
* Continue toe trench.
* Contractor will only work 3 men for full ten hour shift. Rest will take off at 3:00 p.m. to get an early start for Labor Day weekend.

Field Observations and Activities:

Contractor hauling, dumping, spreading and compacting clay from Ungerman pit.

Charlie Baker continued stripping and stockpiling of dike fill material on Babbit proterty. All fill material will be run over 2 inch screen to remove coarse rock particals prior to loading and delivery to site.

Backhoe trimmed clay slopes in preparation for raising filter fabric and placement of rip rap on slope.

Continued to receive and stockpile rip rap.

Surveyors continue staking of tie in area to C.O.E. dike.

Left site at 6:45 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 31, 1990

Arrived at: 6:35 a.m.
Plan of Day:
* Continue toe trench construction.
* Continue west dike construction.

Note: Will work 10 hours today, but only 3 people will be on site after 3 p.m.

Stubby called and discussed Mike Negrelli visit, he probably won't be down - if anything comes up, call him at his office,

I called Vanu about work plans - he will get them out Tuesday of next week.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

SEP 05 1990

EBASCO/ARCO

DATE: 8-31-90 DAY: Friday HRS.WRK. 10hr REPORT NO. 6

WEATHER INFORMATION:

TEMPERATURE: High 92 Low 49 WIND: Mph. — Dir. —

PRECIPITATION: None HUMIDITY: ____ RIVER EL: AM 04.41 PM —

PERSONNEL: NON MANUAL EBASCO.C.M. / CANONIE.P.S. /

	F.E/I /		R.E. /
	H&SO		P.E. /
	C/SE		QCM /
	P.M.		H&SO /
	HOP		P.M.
	"		P.SEC
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	App Surveyors
"		SUPV. /	EMPS. 3
USCOE/EPA		SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963		Stand-by		
" D-6	10			
" D-5		Stand-by		
" 12G	10			
(Sheep) Compactor	10			
(Smooth) "	7		3	
Canonie Wtr. Trk		off site	repairs	
Hertz Wtr. Trk	10			
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
½ ton pick up	10			
Mechanic Truck & Tools	8.5			

MEETINGS:

PLAN OF DAY Cover footprint of dike with clay from Sta 6+00 - Sta 14+00 so water will run off. Finish fixing Smooth Drum Compactor Set new centerline Sta 0+00 - Sta 3+00 and set catch points ~~off Right side~~ Pull up Slopes on Clay with 235.

SAFETY Follow standard Construction Safety guidelines

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Act 10 & 604 (Construct W. Bank Dike)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	1125.0
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	294.96
CLAY FILL	CY	1125.0	ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Toe & Slope Staking 10+00 - 14+00 & 17+00 - 22+00

Baseline Revision 0+00 - 3+00

Changing of Toes @ 2+50 & 2+00

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	6+00 - 18+00	1-5	Clay		X	
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Clay moisture & density tests Results enclosed

TECHNICAL CONCERNS/PROBLEMS:

Baseline / Centerline Revision 0+00 - 3+00

- Approval needed on new catch points & toes.
- Will seek approval Tuesday ~~Monday~~ when remaining points are set.

PAGE: ____ OF ____

HEALTH & SAFETY 8-31-96

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	4, 3, 1, 1	32, 30, 3, 5
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0825	11+50-25L	HNu	Real Time	1 ppm
2	0827	11+50-25L	Miniram	RT	0.00 mg/m³
3	0828	11+50-25L	CGI	RT	21% O₂, 0% LEL
4	1015	11+50-25L	HNu	RT	1 ppm
5	1016	11+50-25L	Miniram	RT	0.00 mg/m³
6	1017	11+50-25L	CGI	RT	20.8% O₂, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0930	N.E. of CELA	3/Dozer, compactor	D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: 0

Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY: Cancie

~~CANCELLED~~ USING MY KEY TO HAVE DUPLICATE MADE SO PERSONNEL CAN GET IN SATURDAY SINCE NO SECURITY YEOMS REQ'D. NOTIFIED JON ~~CLEMENS~~/G. STILES STILL ONBOARD. NO OTHER PROBLEMS

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter
CONTRACTORS SUPERVISOR:
DATE: 9-4-90
HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville
WEATHER & TEMPERATURE:

JOB NO: 88-093
LOCATION OF WORK: W. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Act. ID # 604 (Construct W. Bank Dike)
- placed clay sta 6+00 - sta 13+00
- placed clay in 1.0' max loose lifts and compacted with sheepsfoot compactor (815) to reach max. compaction.
- sealed clay with smooth drum compactor at end of working day.
- surveyed in placed clay along Centerline
- 235 excavator started forming slopes from the catch point up to top of clay fill.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-5
SHEET ____ OF ____

FILL MATERIAL ABOVE WATER SURFACE

INSPECTION DATE 8-31-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BORROW MATERIAL OBTAINED FROM BORROW AREA APPROVED BY CONSTRUCTION MANAGER	X		
- FREE OF DEBRIS, ROOTS, ORGANIC OR FROZEN MATERIAL, STONES 3 INCH AND LARGER IN EQUIVALENT DIAMETER	X		
2. PLACEMENT			
- INSPECT KEY TRENCH FOR FREE STANDING WATER AND/OR ORGANIC MATERIAL BEFORE PLACEMENT OF DIKE FILL	X		
- EXISTING GRADE IS SCARIFIED	X		
- MAXIMUM LOOSE LIFT OF 12"	X		
- INSPECT LAYER OF FILL OR EXISTING GRADE FOR PROPER MOISTURE CONTENT (± 2% OF OPTIMUM) PRIOR TO PLACEMENT OF NEXT LIFT.	X		
- SURVEYOR VERIFY DIKE ALIGNMENT, SLOPES, CONFIGURATION AND DIMENSIONS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.	X		
3. VERIFICATION TESTING			
- 1 DENSITY TEST FOR EACH 750 CU. YDS. OR EACH AREA COMPLETED IN ONE DAY WHICHEVER IS LESS (AT LEAST 95% OF MAXIMUM DRY DENSITY)	X		
- 1 MOISTURE CONTENT TEST (BETWEEN +2% AND -2% OF OPTIMUM) FOR EACH 750 CU. YDS. OR EACH AREA COMPLETE IN ONE DAY WHICHEVER IS LESS.	X		

4. DUST CONTROL
ACTION TAKEN: _____

5. FILL LOCATION
DIKE STATION 6+00 TO 13+00

6. REMARKS _____

INSPECTOR [signature] DATE 9-4-90

REVIEWED BY [signature] DATE 9.5.90

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8/31/90

Work Areas Checked: N.E of GECA

Employees Present in Work Areas: Norm Tracy, Gail Reed, Bob McKim, Clint McKim, Grant Mackelie, Phil Smith, Scott Hunt, Kurt Ettinger, Pete Porter

Equipment Being Utilized: Dozer (D-6), Compactor, Roller, Trackhoe, loader

PPE Being Utilized: level D

Accidents/Breeches of Procedures: None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8/31/90

Equipment: HNu, CGI, Minirum

Real-Time Air Monitoring Results and Work Area

No levels above background/normal were found on HNu, CGI or minirum during clay hauling to N.E of CELA

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

HNu = 11ppm Isobutylene
CGI = 15% O_2, 50% LEL
Minirum = ~~[illegible]~~ Zeroing with Z-bag

[redacted]

Time: 0824, temp ≈ 65°F, (Hazy (fog)), No wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
~~0825~~						
1/31/90-0825	11+50-25L	HNu	PI101	Cal = 111 ppm Isobutylene Bg = 1 ppm	1 ppm	Real Time
1/31/90-0827	11+50-25L	Miniram	PDM-3	2-day for zeroing	0.00 mg/m³	RT
1/31/90-0828	11+50-25L	CGI	261	15% O_2, 50% LEL	21% O_2, 0% LEL	RT
1/31/90-1015	11+50-25L	HNu	PI101	Same	1 ppm	RT
1/31/90-1016	11+50-25L	Miniram	PDM-3	same	0.00 mg/m³	RT
1/31/90-1017	11+50-25L	CGI	261	same	20.8% O_2, 0% LEL	RT

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending:

Non-Use or Mis-Use of PPE @ Lack of safety glasses on 8/27/90 by Mr. Reid and Mr. Hunt - when they were hammering @ Lack of hard hats on site by Mr. Mollenkile and Mr. Gontowski on 8/29/90

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

Mr. Tracy was found smoking North of the CECA in a no smoking area on 8/27/90

Job-Related Illness or Injuries

None

Weather Data cloudy → sunny days
Temps from 50°F → 85°F
Night Rain/storms Monday, Tuesday

Air Monitoring Summary

HNu levels during Tue trench excavations from 6 to 0 → 5 to 0 on 8/27/90 were from 0-15 ppm bz.

- all other levels in HNu, CGE, Miniram, Ram-1 were at background/normal levels

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: August 31, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	6:42 / 5:17	8:54 / 12:42	1:35 / 6:10
C-4 A. Muellerleile	7:30 / 12:42	/	
C-5 C. Ettinger	6:53 / 12:44	/	
C-6 F. Gontowski	7:12 / 11:43	12:00 / 12:42	1:35 / ~~1:00~~ 2:00
C-7 C. Chang	/	/	
C-8 J. App	6:48 / 5:25	/	
C-9 G. Lazusky	6:48 / 5:25	/	
C-10 C. Carrow	6:45 / 8:44	10:08 / 10:25	11:00 / 11:[illegible] 12:20 / 12:37
C-11 B. Mckim	6:35 / 5:25	8:40 / 10:53	11:08 / 5:59
C-12 C. Mckim	6:40 / 5:57	/	
C-13 G. Reid	6:40 / 5:57	/	
C-14 N. Tracy	6:50 / 11:52	12:07 / 3:24	
C-15 G. Maichele	6:33 / 12:45	1:25 / 2:01	2:30 / 3:45
C-16 S. Hunt	6:33 / 11:52	12:07 / 12:50	1:10 / 3:30
C-17 P. Smith	6:35 / 11:52	/	
C-18 Bartels	6:45 / 8:44	10:32 / 10:43	12:20 / 12:37 / 5:18
C-19	/	/	
C-20 J. Irie	7:00 / 10:58	12:07 / 1:52	
E-1 G. Stiles	6:54 / 10:35	10:55 / ~~11:30~~ 3:00	4:43 / 5:00
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swan	6:58 / 11:30	12:36 / 12:54	1:50 / 1:58 2:30 / 3:30 4:29 / 5:00
E-5 C. Bixby	7:51 / ~~12:57~~ 4:31	~~4:53~~ /	~~5:16~~
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	12:50 / 7:00	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 11:00 PM	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	1:50 / 10:30	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: August 31, 1990

No.	Name	Time In/Out	Time In/Out	Remarks
A-1	Tom Lowry (8)			Krause Construction
A-2	Diane Tingue			Preston Trucking
A-3	Dan Gibbs			"
A-4	Bob Cline			Davison Trucking
A-5	Cindy Balcom			Bliven Trucking
A-6	Gary Baker			Baker Trucking
A-7	Chris Meyers (6)			Krause Construction
A-8	Tim Vogel			Ungerman
A-9	Monley Clark			"
A-10	Ron Lussier			De Marco Trucking
S-3	Fred Osmond			General Crushed Stone
S-4	Frank Alaci			Spin Rite
S-6	Jim Rafter			Spin Rite
S-7	Rick Abadine			Spin Rite
S-8	Ray Charland			General Crushed Stone
S-9	James Coombs			"
S-10	Ralph De Marco			De Marco Trucking
C/E-5	Jack Gardina			Gardina Trucking
C/E-6				
C/E-7				
C/E-8				
C/E-9				
C/E-10				

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: August 31, 1990

No./Name	Time In/Out		Time In/Out				Remarks
X A-1	6:54/7:00	8:30/8:35	10:08/10:12	11:55/12:32	2:10/2:15	3:52/3:56	
X A-2	6:58/7:04	8:34/8:41	10:18/10:24	12:09/12:11	1:43/1:55	3:31/3:42	5:10/5:19
X A-3	7:03/7:10	8:40/8:46	10:21/10:27	12:10/12:15	1:53/1:58	3:43/3:50	5:27/5:35
X A-4	7:05/7:13	8:46/8:51	10:27/10:33	12:11/12:17	1:55/2:00	3:36/3:41	5:20/5:27
X A-5	7:17/7:25	9:00/9:06	11:05/11:10	1:05/1:10	2:49/3:00	4:31/4:35	
X A-6	7:17/7:25	9:00/9:06	11:05/11:10	1:05/1:10	2:49/3:00	4:51/4:55	
X A-7	7:28/7:34	9:05/9:10	10:47/10:57	12:33/12:41	2:24/2:34	4:15/4:30	
X A-8	7:46/7:53	9:21/9:26	11:05/10:09	12:54/1:00	2:37/2:44	4:22/4:31	
X A-9	7:55/8:02	9:38/9:45	11:09/11:28	1:12/1:18	2:54/3:00	4:36/4:44	
X A-10	8:19/8:25	10:05/10:12	11:47/11:55	1:30/1:35	3:11/3:20	4:53/5:08	
X S-2	8:00/8:12	11:50/11:57					
X S-4	8:01/8:12	12:35/12:45					
X S-6	8:02/8:12	12:35/12:45					
X S-7	8:17/8:28	12:43/12:49					
X S-8	8:17/8:35	2:02/2:10					
X S-9	8:19/8:25	2:07/2:10					
X S-10	8:19/8:35	10:05/10:12	11:50/11:55	1:33/1:40	3:15/3:20	4:56/5:08	
CRS	8:28/8:36	10:15/10:21	12:00/12:05	1:42/1:50	3:28/3:38	5:08/5:16	
C/E-6							
C/E-7							
C/E-8							
C/E-9							
C/E-10							

UPS	10:11/10:12	2 piece delivery
Yellow Freight	11:05/11:05	wrong stop
FEDEX	2:02/2:03	I.C. PICKUP
GOULD	2:09	BLDG CLEANING
SHOWN'S OIL	2:56/3:15	FUEL TRUCKS
UPS	3:42/3:54	P/U + DELIVERY

PROJECT ENTRY PERMIT

DATE: 8-31-90 TIME IN: 6:35 AM TIME OUT: 7:40 pm

NAME: Gary L Styles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 30, 1990

Arrived at: 7:50 a.m.
Plan of Day:

* Continue toe trench to tie in with C.O.E. dike.
* Continue dike fill construction with clay from Ungerman pit.
* Receive and stockpile stone from Crushed Stone Honeyoe, NY Quarry.

Field Observations and Activities:

Observed and inspected clay placements. Clay being placed in less than the specified maximum one foot lifts and compacted with at least four passes with the static pad foot roller. Attention being given to keeping fill level and edge rolling. Fill being overbuilt to assure a compacted surface beneath the rip rap.

Little progress on the toe trench while awaiting staking at tie in with C.O.E. dike. Much discussion of tie in detail while transitioning from a 2 1/2 to 1 slope to a 1:1 slope.

Charlie Baker equipment stripping top soil from Babbit pit.

Located compaction test in area of high moisture content (weaving) soil. Most areas weaving due to above opt. moisture content of clays. However compaction results universally have exceeded 95% of standard proctor results.

Left site at 6:45 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 30, 1990

Arrived at: 6:40 a.m.
Plan of Day:
* Continue toe trench construction.
* Place clay fill.
* Clearing on East bank.

Note: Dave will be gone today, Friday and Saturday. James Irey is acting supt.

Looked at toe trench layout between station 0+00 and 3+00 - the way it is laid out from the P1# and P2# and tod at 1505.5 the toe of slope (2.5H-1.0V) will be out in the river 18 feet +- with the toe trench outside of that. I discussed this with Jim Irey and Pete Porter, they said that is per the drawing - I looked at the drawings and then called Vanu Patel to alert him of the problem - he said to send him a sketch of what we do so he can approve.

Kevin called - gave me his changes - said they were doing the elevaluation and running the drawing. He asked me to send him the letter drafts - I discussed the toe trench concern and he agrees with what I am doing.

Weekly meeting - see minutes.

Allan has problems with the change at the USCOE and new dike tie in - he thinks the drawings shows this as going out into the river, I explained the problem with disturbing the river alignment going into the wier channel and that the 2:5H to 1:0V slope would have to run out the top alignment where everything that falls - he will work up some data on that.

Mike Negrelli USEPA visited the site, Stubby USCOE took him on a tour and then I met with him.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED
SEP 04 1990
EBASCO/ARCO

DATE: 8-30-90 DAY: Thursday HRS.WRK. 10 hrs REPORT NO. 63

WEATHER INFORMATION:

TEMPERATURE: High 83 Low 55 WIND: Mph. 0-5 Dir. SE

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM - PM -

PERSONNEL: NON MANUAL EBASCO.C.M. / CANONIE.P.S. /

	F.E/I /	R.E. /
	H&SO	P.E. /
	C/SE	QCM /
	P.M.	H&SO /
	HOP	P.M.
	"	P.SEC
	"	HOP
ARCO	P.M.	"
OTHERS		CANONIE SUB. App Surveyors
"		SUPV. / EMPS. /
USCOE/EPA	2	SUB.
"		SUPV. EMPS.

VISITORS See security log

MANUAL CANONIE GEN. Labor Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	8			
" D-6	10			
" D-5		Stand-by		
" 12G	10			
(Sheep) Compactor	10			
(Smooth) "	10		0.5	
Canonie Wtr. Trk			Down	Left site for repairs locally
Hertz Wtr.Trk	10			
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / steam Genny	8			
½ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY Above: D-5 (3 spots left) West Piece of Water Truck (leaving site for repairs). Hauling clay today Gary Shirley to check for trench alignment. Keep duct down today with water truck.

SAFETY Foggy, watch out for trucks

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #604 (Construct W. Bank Dike)
#608 (Construct W. Bank Toe Trench)

EAST BANK Erosion Control & Barbwire Fences

RIVER (Any activity performed in water or gravel bar)

Placed silt retention barrier across the slough at sta 0+00 minus 15'

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	1056.25
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC. COE Rip Rap		25 loads
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY	329.94	RIP-RAP MATRL.	TON	464.01
CLAY FILL	CY	1056.25	ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
Cat. D-5	Yes	Yes	
D5B · 46X00821	1907	Note: Decon for D-5 needed for movement to east bank.	
Serial No.	HRS.		
Ceramic Water Truck	(washed)	No	

FIELD ENGINEERING ACTIVITIES: (surveyors)

Toe Stake 8+50 - 10+50 & 2+50

Toe Staking 0+00 - 14+50

Comps & Office work

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	sta	8+50 - 17+00	A-5	Clay		X	
2	sta	2+20 - 3+75	A-11	Erosion	Control	X	
3	across	channel	A-11	Erosion	Control	X	
4							
5							
6							
7							
8							
9							
10							

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS Clay Sampled for density & moisture content. All tests met contract specs requirements Results are attached.

TECHINICAL CONCERNS/PROBLEMS:

See pg 7. (#608)

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	7, 2, 2	70, 16, 6
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1125	2+50	HNu	Real Time	1 ppm
2	1126	2+50	Ram-1	RT	0.001 mg/m³
3	1130	2+50	CGI	RT	20% O₂, 0% LEL
4	1571	1+75	HNu	RT	1 ppm
5	1532	1+75	Ram-1	RT	0.008 mg/m³
6	1533	1+75	CGI	RT	20.6% O₂, 0% LEL
7	1555	10+00-10R	HNu	RT	1 ppm
8	1556	10+00-10R	CGI	RT	20.5% O₂, 0% LEL
9	1557	10+00-10R	Ram-1	RT	0.000 mg/m³
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1030	1+00	3/Truck	D	None
2	1400	East bank	3/Gator	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: 0

Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report today August 30, 1990

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8-30-90 | HOURS ON SITE:

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W. Bank/E. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Act. ID # 604 (Construct W. Bank Dike)
- clay placed from ~ Sta 9+00 - Sta 14+00
- placed ~ 1056.25 cy
- clay was placed in 1.0' max loose lifts and compacted with the sheepsfoot roller (815)
- clay was sealed at end of day with smooth drum compactor
- Results for tests are attached.

Act ID #608 (Construct W. Bank Toe Trench)
- Started excavating COE Rip Rap and created a silt plug in the River. Stopped excavation and installed a silt retention barrier across the slough that was going to be disturbed.
- Completed Staking out ~~the~~ each points of W. Bank Dike from Sta 0+00 - 14+50 according to N.Y. DOT TP51 & TP52
- Notified Eberace that staking of the trench was complete.
- Gary Stiles & Carl Swan looked at completed staking. Gary Stiles directed Canonie to change the alignment of Canonie Dike so there will be a smooth transition between the front face of the connecting dikes.
- In order to make a smooth transition, the centerline at 0+00 was moved ~ 4.2' to the right. The New centerline was then lined up with the original centerline at Sta 3+00 to adjust the original surveyed centerline between 0+00 - 3+00.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8-30-90 | HOURS ON SITE: 10 hrs.

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: E Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

OTHER: (E. Bank)

Erosion Control:
- installed silt fence to the edge of cleared & grubbed area.

Barb wire:
- installed 3 strand barb wire fence 50' from edge of River for access road. Any fence barbwire installed will enclose entire 75' R.O.W.

OTHER:
(U. Bank)

Removed 25 loads of COE Rip Rap from Sta 2+50 - Sta 0+50 and placed in lagoon.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-11
SHEET ____ OF ____

EROSION AND SEDIMENT CONTROL

INSPECTION DATE 8-30-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 2+30 TO 3+75

OTHER _____

4. REMARKS Placed silt fence on east bank to protect against erosion after area was cleared & grubbed

INSPECTOR Robert Port DATE 8-31-90

REVIEWED BY MA DATE 9.4.90

FORM A-11
SHEET ____ OF ____

EROSION AND SEDIMENT CONTROL

INSPECTION DATE 8-30-90

	ACCEPT	REJECT	N.A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION _____ TO _____

OTHER across channel / slew

4. REMARKS placed silt retension across channel from COE Dike to sand bar in order to contain ~~gas~~ disturbed silt

INSPECTOR [signature] DATE 8-31-90

REVIEWED BY [signature] DATE 9.4.90

FILL MATERIAL ABOVE WATEP SURFACE

FORM A-5
SHEET ____ OF ____
INSPECTION DATE 8-30-90

	ACCEPT	REJECT	N A
1. MATERIAL			
- BORROW MATERIAL OBTAINED FROM BORROW AREA APPROVED BY CONSTRUCTION MANAGER	X	____	____
- FREE OF DEBRIS, ROOTS, ORGANIC OR FROZEN MATERIAL, STONES 3 INCH AND LARGER IN EQUIVALENT DIAMETER	X	____	____
2. PLACEMENT			
- INSPECT KEY TRENCH FOR FREE STANDING WATER AND/OR ORGANIC MATERIAL BEFORE PLACEMENT OF DIKE FILL	X	____	____
- EXISTING GRADE IS SCARIFIED	X	____	____
- MAXIMUM LOOSE LIFT OF 12"	X	____	____
- INSPECT LAYER OF FILL OR EXISTING GRADE FOR PROPER MOISTURE CONTENT (± 2% OF OPTIMUM) PRIOR TO PLACEMENT OF NEXT LIFT.	X	____	____
- SURVEYOR VERIFY DIKE ALIGNMENT, SLOPES, CONFIGURATION AND DIMENSIONS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.	X	____	____
3. VERIFICATION TESTING			
- 1 DENSITY TEST FOR EACH 750 CU. YDS. OR EACH AREA COMPLETED IN ONE DAY WHICHEVER IS LESS (AT LEAST 95% OF MAXIMUM DRY DENSITY)	X	____	____
- 1 MOISTURE CONTENT TEST (BETWEEN +2% AND -2% OF OPTIMUM) FOR EACH 750 CU. YDS. OR EACH AREA COMPLETE IN ONE DAY WHICHEVER IS LESS.	X	____	____

4. DUST CONTROL
ACTION TAKEN: _____

5. FILL LOCATION
DIKE STATION 8+50 TO 14+00

6. REMARKS _____

INSPECTOR [signature] DATE 8-31-90

REVIEWED BY [signature] DATE 9.4.90

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-30-90

Equipment: HNu, CGI, ~~Miniram~~ Ram 1

Real-Time Air Monitoring Results and Work Area

No levels above background/normal were found on the 1HNu, CGI, Ram 1 During Rip Wrap or clay work N. of the CELA

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% O_2 50% LEL

Ram = zero adj, cal to internal → 4.15 factory cal

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-30-90

Work Areas Checked: N. of CELA
East bank

Employees Present in Work Areas: Gail Reid, Bob McKim, Clint McKim, Phil Smith, Grant Machelle, Norm Tracy, Scott Hunt, Kurt Ettinger, Pete Porter, Alan Mullerleile, Frank Gontowski, George Lazusky, Jon App, Craig Curran

Equipment Being Utilized: Truckhoe, D-6 Dozer, Sheepsfoot, Roller, Pickup water truck, loader, grater

PPE Being Utilized: level D

Accidents/Breeches of Procedures: Alan Mullerleile and Frank Gontowski were not wearing hard hats on site North of the CELA at ≈ 1045. The Trailer was noticed in the back of Pete Porters' truck in the yard for an extended period of time (several hours)

---. ---ities: loading old rip wrap at Tie in and hauling to other End of CELA, building silt fence across river at extreme North end, clay working near 8+00 → 10+00
PM Activities: same as AM + placing silt fence and barb wire fence on east bank

Time: 1125, Temp ≈ 75°F, Sunny, NW wind
Time: 1529, Temp ≈ 80°F, Sunny, N wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/30/90-1125	2+50	HNu	PI101	Cal=111ppm Isobutylene Bg=1ppm	1ppm	Real Time
1/30/90-1126	2+50	Ram 1 aerosol monitor	Ram-1	Zero, interval to 4.15	0.01 mg/m³	RT
1/30/91-1130	2+50	CGI	261	15% O_2, 50% LEL	20% O_2, 6% LEL	RT
1/30/90-1531	1+75	HNu	PI101	Same	1ppm	RT
1/30/90-1532	1+75	Aerosol monitor	Ram-1	Same	0.008 mg/m³	RT
1/30/90-1533	1+75	CGI	261	Same	20.6% O_2, 8% LEL	RT
1/30/90-1555	10+00-10R	HNu	PI101	Same	1 ppm	RT
1/30/90-1556	10+00-10R	CGI	261	Same	20.5% O_2, 0% LEL	RT
1/30/90-1557	10+00-10R	Aerosol monitor	Ram-1	Same	0.000 mg/m³	RT

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: August 30, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	6:39 / 12:51	12:53 / 1:15	144 /
C-4 A. Muellerleile	7:12 / 9 52	10:16 /	5:36/
C-5 C. Ettinger	7:03 / 5:44	9:36 / 12:17	~~12:47~~ 12:52 / 12:50 1:47/2:10 2:25/
C-6 F. Gontowski	6:58 / 9 52	10:16 / ~~12:57~~ 12:57	1:19/ 1:38 1:52/ 2:12 2:50/
C-7 C. Chang	/	/	
C-8 J. App	6:53 / 7 00	12:46 / 5:45	
C-9 G. Lazusky	6:53 / 5:45	/	
C-10 C. Carrow	6:53 / 5:45	/	
C-11 B. Mckim	6:35 / 8 44	9:30 / 11:02	11:48 / 12:48 1:02 / 1:07 3:14 / 5:57
C-12 C. Mckim	6:35 / 5:57	/	
C-13 G. Reid	6:35 / 5:30	/	
C-14 N. Tracy	6 50 / 5:31	/	
C-15 G. Maichele	6:26 / 6:04	/	
C-16 S. Hunt	6:20 / 9:55	12:17 / 12:17	12:32 / 12:50 5:02 / 3:10 3:14 / 6:
C-17 P. Smith	6:36 / 8:44	12:17 / 12:48	1:02 / 1:06 1:35 / 5:57
C-18	/	/	
C-19	/	/	
C-20 J. Irie	6:54 / ~~1:38~~ 2:12	2501	
E-1 G. Stiles	6:46 / 12:36	1:15 /	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C Swan	6:55 / 12:19	1 24 / 5:26	5:31 / 6:20
E-5 C Bixby	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:41 / 4:37	/	
C/E-2 M. Megnelli	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	1:47 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - BELLEVILLE
DAILY LOG FORM

Date: August 30, 1990

No.	Name	Time In/Out	Time In/Out	Remarks
A-1	Diane Tingue			Preston Trucking
A-2	Dan Gibbon			"
A-3	Bub Cline			Davison Trucking
A-4	D. Preston			Preston Trucking
A-5	Chris Meyers (6)			Krause Construction
A-6	Tom Lowry (8)			"
A-7	Dean Marsh			CJM Trucking
A-8	Jack Gardina			Gardina Truck
A-9	Ron Lussier			De Marco Truck
A-10	Manley Clark			Vangerman
S-2	Tim Vogel			"
S-5	Fred Osmond (61)			
S-7	Frank Charbonneau (64)			General Crushed Stone
S-8	Ray Charbonneau (63)			
S-10	James Coombs (60)			
E-6	Jim Rafter			
E-7	Frank Calaci			Spin Rite
E-8	Rick Angadine			
E-9	Clint Case (owner)			Bill Raimondi (driver)
E-10	Chris Travis 2 Pup 1/2 Tr			Truck
C/E-3	Rick Green			
C/E-4	Boyd Green			Green's Trucking
C/E-5	Clint Perry			Alfred Atlas
C/E-6	Gary Baker			Gary Baker Trucking
C/E-7	Cindy Balsam			Bleen Trucking
C/E-8				
C/E-9				
C/E-10				
	Walter Babbitt	4:07	4:08	
	P. Porter			Still working
	A. Mueller-Leek			
	F. Gentenski			
	J. Irie			
	G. Stiles			

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: August 30 1990

No.	Name	Time In	Time Out	Time In	Time Out	Remarks	
A-1	7:10/7:15	8:50/8:56	10:35/10:41	12:21/12:29	2:18/2:24	4:04/4:11	5:49/5:55
A-2	7:12/7:20	9:00/9:06	10:44/10:49	12:42/12:48	2:34/2:47	4:38/4:47	
A-3	7:14/7:22	8:52/8:57	10:26/10:31	12:10/12:20	1:53/1:58	3:40/3:47	5:20/5:24
A-4	7:27/7:35	9:12/9:19	11:13/11:20	1:05/1:12	3:06/3:15	5:29/5:37	
A-5	7:32/7:39	9:13/9:23	10:57/11:02	12:39/12:45	2:23/2:29	4:05/4:13	
A-6	7:32/7:39	11:05/11:09	12:45/12:48	2:23/2:37	4:06/4:13		
A-7	7:32/7:40	9:20/9:28	11:06/11:14	12:50/12:59	2:36/2:47	4:18/4:25	
A-8	7:41/7:49	9:27/9:35	11:13/11:24	1:36/1:44	3:23/3:30	5:08/5:16	
A-9	7:44/7:54	9:30/9:36	11:15/11:24	1:32/1:41	3:15/3:24	4:58/5:04	
A-10	7:50/8:00	9:35/5:28					
S-2	7:55/8:00	7:40/~~8:48~~	11:19/11:24	1:05/1:11	2:43/2:49	4:26/4:35	
S-5	7:57/8:05	11:41/11:48	3:27/3:40				
S-7	8:16/8:25	12:13/12:21	4:04/4:23				
S-8	8:16/8:30	12:26/12:35	~~12:35~~/4:26/4:41				
S-10	8:16/8:30	12:26/12:35	~~12:35~~/4:26/4:43				
E-6	8:23/8:35	12:45/12:56	5:20/5:35				
E-7	8:23/8:35	12:45/12:56	5:17/5:35				
E-8	8:23/8:35	12:45/12:56	5:20/5:36				
E-9	8:29/8:38	10:18/10:25	12:03/12:09	1:47/1:54	3:27/3:34	5:13/5:21	
E-10	9:35/9:47						
C/E-3	9:35/9:47						
C/E-4	10:04/10:18	11:30/11:39	12:50/12:59	2:03/2:13	3:22/3:29	5:00/5:17	
C/E-5	11:02/11:11	12:35/12:41	1:51/2:01				
C/E-6	1:08/1:15	3:43/3:50					
C/E-7	4:52/5:03						
C/E-8							
C/E-9							
C/E-10							

~~S-6~~ Chet

Chris Travis	9:35/9:47	Portville Truck
Rick Green	9:35/9:47	
UPS	10:34/10:36	3 piece delivery
Charlie Baker	11:45/11:51	
Wayne Rutkowski Jr.	12:10/12:57 1:19/1:25	Pioneer Landscaping
Dale Sanders	1:55/2:20	Shoe's O.I Co.
Tom McGinnis	2:05/2:10	
Fed Ex	2:28/2:29	
Mike Megrell	2:33/5:24	
Daniel Richter	2:30/3:01	Forest Ranger
Peterson Landscaping	3:20/3:40	
ups	3:48/3.50	1pc. pickup

PROJECT ENTRY PERMIT

DATE: 8-30-90 TIME IN: 7:12 Pm TIME OUT: 7:45 Pm

NAME: A. Mallette

COMPANY: Canonie

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-30-90 TIME IN: 6:40 PM TIME OUT: 7:59 PM

NAME: Gary C Stiles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-30-90 TIME IN: 6:39 TIME OUT: 7:50 Pm

NAME: P. Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-30-90 TIME IN: 6:54 TIME OUT: 7:15

NAME: J. Frey

COMPANY: Cascade

BADGE No: C-20

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/30/90 TIME IN: ~~AM~~ 6:50 PM TIME OUT: 7:30 PM

NAME: FRANK GONTOWSKI

COMPANY: CANON

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

Canonie

By EJL Date 8/18/90 Subject DENSITY TEST RESULTS

Chkd. By ____ Date ____ Proj. No. 88-233 Sheet No. 1 of ____

1/4" X 1/4"

Test No.	①	②	③	④	⑤
Location	Sta. 20+50 ℄	Sta. 18+00 ℄	Sta. 17+00 R	Sta. 19+65 R	Sta. 18+50R
WD (pcf)	115.5	~~126.1~~	118.0	131.8	128.4
Method	SC	SC	SC	SC	SC
% M	23.6	28.8	30.5	27.9	27.6
Method	S	S	S	S	S
DD (pcf)	93.5	~~97.9~~	90.4	103	100.6
Date	8/15/90	8/15/90	8/16/90	8/16/90	8/16/90
Time	17:30	18:40	12:20	13:15	18:40
Elev. (Ft)	1498.6	1500.5	1500.8	1501.6	1502.0
Proctor Value (pcf)	95.4	100.1	94.8	100.1	100.1
Proctor #	TP-5/6	#6	10	#6	#6
Opt. Moist (%)	26.9	24.8	26.4	24.8	24.8
% Proctor	98.3	97.8	95.4	102.9	100.5

NOTE: S = Speedy N = Nuclear
SC = Sand Cone

Canonie

By ___ Date 8/13/90 Subject Density Test Results

Chkd. By ___ Date ___ Proj. No. 88-[illegible] Sheet No. 2 of ___

Test No.	⑥	⑦	⑧	⑨	⑩	⑪
Location	Sta. 19+00 ℄	Sta. 20+75 R	Sta. 18+40 R	Sta. 21+00 R	Sta. 18+00 R	Sta. 15+50 R
WD (pcf)	132.2	124.8	124.6	123.1	125.7	122.7
Method	SC	N	N	N	N	N
% M	27.3	27.2	25.5	25.9	26.4	27.2
Method	S	O	O	O	O	S
DD (pcf)	103.9	98.1	99.3	97.8	99.5	96.5
Date	8/16/90	8/17/90	8/17/90	8/18/90	8/18/90	8/18/90
Time	19:05	17:27	18:00	9:54	12:15	13:05
Elev. (ft)	1502.6	1503.7	1503.3	1501.6	1501.1	1498.9
Proctor Value (pcf)	100.1	100.1	100.1	95.6	100.1	95.6
Proctor #	#6	#6	#6	TP-1	#6	TP-1
Oversize (%)	24.8	24.8	24.8	27.3	24.8	27.3
% Proctor	103.8	98.0	99.2	102.3	99.4	100.9

1/4" X 1/4"

Note: S = Sand Cone, O = Other, N = Nuclear

Canonie

By EJG Date 8/13/90 Subject Density Test Results Sheet No. 3 of

Chkd. By Date Proj. No. 88-093

1/4" X 1/4"

Test No.	(12)	(13)	*(14) corrected	(15)	(16)
Location	Sta. 19+00 R	Sta. 19+00 R	Sta. 19+00 R	Sta. 13+60 ℄	Sta. 10+00 L
WD (pcf)	121.2	124.1	127.1	128.9	121.3
Method	SC	N	T R=9"/12" Test 3"-7 7/16"	N	N
% M	25.3	25.3	24.4	27.2	26.8
Method	O	O	O	O	O
DD (pcf)	96.7	99.0	102.1	101.3	95.7
Date	8/25/90	8/25/90	8/25/90	8/27/90	8/30/90
Time	9:30	9:30	10:20	17:20	17:43
Elev. (Ft)	1502.4	1502.4	1502.6	1496.2	1496.2
Proctor Value (pcf)	96.6	96.6	100.1	100.1	100.1
Proctor #	#5	#5	#6	#6	#6
Opt. Moist (%)	24.7	24.7	24.8	24.8	24.8
% Proctor	100.1	102.5	102.0	101.2	95.6

Note: S = Speedy O = Oven N = Nuclear SC = Sand Cone T = Tube Density

Canonie

By EJG Date 8/31/90 Subject Density Test Results Sheet No. 4 of

Chkd. By Date Proj. No. 55-093

1/4" X 1/4"

Test No.	(17)
Location	STA. 13+00 ℄
WD (pcf)	121.1
Method	N
% M.	28.3
Method	O
DD (pcf)	94.4
Date	8/30/90
Time	18:40
Elev. (Ft)	1494.3
Proctor Value (pcf)	96.6
Proctor #	5
Opt. Moist (%)	24.7
% Proctor	97.7

NOTE: S = SAND CONE SC = SAND CONE
O = OVEN T = TUBE DENSITY
N = NUCLEAR

Canonie

By FJG Date _____ Subject % < # 200 Sieve Data Sheet No. ____ of ____

Chkd. By ____ Date _____ Partial River Channelization Proj. No. 93-093

1/4" X 1/4"

Sample #	G-1	G-2	G-3 (12)	G-4 (14)
Location	Sta. 16+00 R	Sta 18+00 R	Sta. 19+00 R El. 1502.4	Sta. 19+00 R El. 1502.4
Date	8/21/90	8/25/90	8/21/90	8/31/90
Tare #	4	4	2	(3)
Tare Wt. (g)	88.3	88.3	86.4	90.0
Wet Soil + Tare (g)	500.8	410.3	376.1	363.2
Dry Soil + Tare (g)	412.8	342.3	319.7	308.1
Moisture (%)	27.1	26.8	24.4	25.3
Dry Soil + Tare (g) After Washing	88.4	92.89		
% < # 200 Sieve (%)	99.9	98.2		

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 29, 1990

Arrived at 6:50 a.m.
Plan of Day:

* No clay due to wet conditions.
* Load and haul C.O.E. rip rap to spoil area.
* Continue toe trench to tie in with C.O.E. dike.
* Resume clearing of east dike access road.

Field Observtions and Activities:

Hauling rock from C.O.E. dike to waste.

Continued excavation of toe trench and installation of filter fabric, bedding stone and rip rap near station 2.

With dike fill suspended due to wet conditions, excess crew mobilized to east dike area and resumed clearing activities.

In afternoon contractor worked all dike fill surfaces by tracking and backblading with wide track dozer in an attempt to dry up surface moisture. Suggested to Dave Dekker that discing would provide better aeration and accelerate drying.

Verbal approval given for Babbit material as dike fill in afternoon.

Left site at 6:15 p.m.

ARCO WELLSVILLE
CONSTRUCITON MANAGEMENT
DAILY REPORT
AUGUST 29, 1990

Arrived at: 6:40a.m.
Plan of Day:

* Toe trench construction.
* Clearing on East bank.

Note: We had another storm last night started at 7:45 p.m. - heavy rain, lighting and wind.

A meeting was held to discuss the East bank dike - see meeting agenda and agreement letter.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED
SEP 04 1990
EBASCO/ARCO

DATE: 8-29-90 DAY: Wednesday HRS.WRK. 10hrs REPORT NO. 89

WEATHER INFORMATION:

TEMPERATURE: High 82 Low 62 WIND: Mph. ____ Dir. ____

PRECIPITATION: .03 HUMIDITY: High RIVER EL: AM 4.5-8 PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. / CANONIE.P.S. /

	P.E/I /	R.E. /
	H&SO	P.E. /
	C/SE	QCM /
	P.M.	H&SO /
	HOP	P.M.
	"	P.SEC /
	"	HOP
ARCO	P.M. /	"
OTHERS		CANONIE SUB. App Structure
"		SUPV. / EMPS. 2
USCOE/EPA	4	SUB.
"		SUPV. ____ EMPS. ____
VISITORS	See Security Log	

Weather 8-28-90
High 93
Low 64
Precipitation: 0.78"

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963		Stand-by		
" D-6	10			
" D-5	3			
" 12G	10			
(Sheep)Compactor		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk			Down	
Hertz Wtr.Trk	10			
ACPR.		Stand-by		
Chipper	8			
Generator / Steam Genny	8			
½ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY Complete Reconstructing D-5. Continue Clearing East Bank. Continue work on toe trench. Work material within the footprint of Dikes for Drying

SAFETY Regular Construction safety. Hard Hats & No Smoking

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #608 (Construct W. Bank Toe Trench)
#605 (Place W. Bank Rip Rap Protection)

EAST BANK #404 (Clear E. Bank)
#405 (Grub E. Bank)

RIVER (Any activity performed in water or gravel bar)

OTHER

PAGE: ____ OF ____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	0.2	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	0.2	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	433.33
EXCAVATION			BEDDING MATRL	CY	24.8
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	154.0
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC. Sand		20.0 tons
MISC.	CY		" C.O.E. Rip Rap		13 loads
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~	90.99 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	458.32
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Toe Staking 3+00 to 17+00 Rt and Lt w/ Cross-sections
- Computations + Office Work

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	Sta 3+50 - 3+00	A-6	Geotextile		X	
2	4+00 - 3+00	A-7	Bedding		X	
3	4+00 - 3+00	A-8	Rip Rap		X	
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

- Tie in at 0+00 to C.O.E. like
- toe trench catch points will be set and a decision on any changes (if any) will be made at that time (8-30-90)

HEALTH & SAFETY 8-29-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	2, 2, 1, 1	10, 4, 3, 1
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0954	4+00	HNU	Real Time	1 ppm
2	0955	4+00	Miniram	RT	0.00 mg/m³
3	0956	4+00	CGI	RT	20.9% O₂, 0% LEL
4	1247	4+00-50L	HNU	RT	1 ppm
5	1248	4+00-50L	CGI	RT	20.8% O₂, 6% LEL
6	1249	4+00-50L	Ram-1	RT	0.006 mg/m³
7	1540	3+75-20L	Ram-1	RT	0.005 mg/m³
8	1546	3+75-20L	HNU	RT	1 ppm
9	1548	3+75-20L	CGI	RT	20.6% O₂, 0% LEL
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0950	N. of CELA	4/Truck/Loader	D	None
2	1400	East Bank	4/chainsaw, grader, ...	C	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: D-5 dozer

Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Accidents or incidents to report today August 29, 1990

Daily Report

Canonie Environmental
500 N. Gulph Road · Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter	CONTRACTORS SUPERVISOR:	DATE: 8-29-00 HOURS ON SITE: 10hrs
PROJECT LOCATION: Sinclair Refinery, Wellsville		WEATHER & TEMPERATURE:
JOB NO: 88-093		LOCATION OF WORK: W. Bank / E. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Act ID # 608 (Construct W. Bank Toe Trench)
placed : Geotextile 3+50 - 3+00
Bedding 4+00 - 3+00
#605 → Rip Rap 4+00 - 3+00
Materials were placed according to the Contract Specs. and the Contract Drawings.

Act ID # 404 (Clear E. Bank)
405 (Grub W. Bank)
- Cleared and Grubbed from Sta 3+00 - Sta 4+00 a 50' path for East Bank Haul road.
- Stumps & tree trunks were placed off to the side (with in our 75' Row) in piles.

OTHER :
- Bladed material within footprint of W. Bank Dike for Keying.
- Removed COE Rip Rap and placed in lagoon at Sta 10+00
11 loads to lagoon
2 loads to sta 11+50 for placement behind stone silt berm.
- Underneath COE Rip Rap suitable material for backfill was located
6 loads to dike footprint (Sta 8+00 - Sta 11+00)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

GEOTEXTILE

FORM A-6
SHEET 1 OF 3
INSPECTION DATE 8-29-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 3150 TO 3100

5. REMARKS Geotextile was placed according to the Contract Drawings with a 2' overlap and the shown tie into the Rip Rap.

INSPECTOR Robert Cook DATE 8-30-90

REVIEWED BY [illegible] DATE 9.4.90

FORM A-7
SHEET 2 OF 3
INSPECTION DATE 8-29-90

BEDDING

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 4+00 TO 3+00

5. REMARKS _____

INSPECTOR _____ DATE 8-30-90

REVIEWED BY _____ DATE 9.4.90

FORM A-8
SHEET 3 OF 3

RIP RAP

INSPECTION DATE _____

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 4+00 TO 3+00

5. REMARKS _____

INSPECTOR _____ DATE 8-30-90

REVIEWED BY _____ DATE 9.4.90

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-29-90

Equipment: HNu, CGI, Miniram, Rum-1

Real-Time Air Monitoring Results and Work Area

No levels about normal/background found during rip wrap operations. N. of CELA on any equipment.

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 11ppm Isobutylene
CGI = 15% O_2, 50% LEL.
Miniram = 7-bag for Zeroing
Rami = Zero adj to factory Cal = 4.15

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-29-90

Work Areas Checked: N. of CECA
East bank

Employees Present in Work Areas: Norm Tracy, Gail Reid, Clint McKim, Bob McKim, Scott Hunt, Phil Smith, Grant Machelle, Kurt Ettinger, Pete Porter, Alan Mullerville, Dave DeKker

Equipment Being Utilized: Trackhoe, D-6 Dozer, Grater, chipper, chain saw, Rental water truck

PPE Being Utilized: level D

Accidents/Breeches of Procedures:
None

AM Activities: loading old rip rap on dump trucks at 2+00 area, clearing East bank

PM Activities: Rip Rap, Stone, fabric in Toe trench at 4+00 → Tie in, Clearing East Bank

Time: 0950, Temp ≈ 73°F, pt sunny, NNW wind

Time: 1311, Temp ≈ 82°F, pt sunny, NW Wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
3/29/90-0954	4+00	HNu	PI101	Cal = 111 ppm Isobutylene By = 1 ppm ≠ bag for zeroing	1 ppm	Real Time
3/29/90-0955	4+00	Miniram	PDM-3		0.00 mg/m³	RT
3/29/90-0956	4+00	CGI	261	15% O_2, 50% LEL	20.9% O_2, 0% LEL	RT
3/29/90-1247	4+00-50L	HNu	PI101	Same	1 ppm	RT
3/29/90-1248	4+00-50L	CGI	261	Same	20.8% O_2, 0% LEL	RT
3/29/90-1249	4+00-50L	Ram-1 Aerosol monitor	Ram-1	Zero Adj, (factory cal) Cal = 4.15	0.006 mg/m³	RT
3/29/90-1540	3+75-20L	Ram-1	Ram-1	Same	0.005 mg/m³	RT
3/29/90-1546	3+75-20L	HNu	PI101	Same	0 ppm	RT
3/29/90-1548	3+75-20L	CGI	261	Same	20.6% O_2, 0% LEL	RT

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: August 29 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:41 / 12:37	1:15 / 2:49	2:55 / 4:30
C-2 L. Dekker	6:41 / 12:37	1:15 / 4:30	
C-3 P. Porter	6:42 / 7:40	7:56 / 12:20	1:07 / 2:49 2:55 /
C-4 A. Muellerleile	7:20 / 12:30	1:02 / 1:35	2:19 /
C-5 C. Ettinger	6:44 / 7:43	8:54 / 10:19	10:30 / 11:52 1:38 / 5:24
C-6 F. Gontowski	7:39 / 12:20	1:02 / 2:49	2:55 /
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:54 / 5:33	/	
C-10 C. Carrow	6:47 / 7:32	12:23 / 1:03	1:22 / 1:23 3:49 / 5:33
C-11 B. Mckim	6:41 / 8:01	11:3? / 1:12	1:48 / 5:24
C-12 C. Mckim	6:40 / 5:24	/	
C-13 G. Reid	6:40 / 8:08	11:33 / 1:16	2:14 / 5:24
C-14 N. Tracy	6:46 / 5:24	/	
C-15 G. Maichele	6:28 / 8:11	11:29 / 12:21	12:28 / 1:16 2:45 / 3:57 5:30 / 6:00 2:45
C-16 S. Hunt	6:24 / 9:08	9:38 / 11:25	11:33 / 11:54 12:08 / 1:16 1:48 / 1:49
C-17 P. Smith	6:41 / 8:43	8:54 / 1:16	2:30 / 5:24
C-18 ~~Jack~~ Barthes	~~10:40~~ / 7:32	12:23 / 1:03	1:35 / 1:40 3:48 / 5:33
C-19 ~~R. Bartels~~	~~6:47 / 7:32~~	~~12:23 / 1:03~~	1:07 / 1:09
C-20 Irie	10:40 / 12:20	1:02 / 2:49	2:55 /
E-1 G. Stiles	6:50 / 4:53	5:10 /	
~~E-2~~ T. Granger	/	/	
~~E-3~~ S. Stiles	/	/	
E-4 C. Swan	6:55 / 11:31	11:54 / 6:21	
E-5 C. Bixby	7:58 / 11:31	11:54 / 3:37	
A-1 M. Turco	10:29 / 1:45	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	10:30 / 3:01	/	
C/E-2 D. Bingeat	10:30 / 3:01	/	
C/E-3 T. Pazanskie	10:30 / 3:01	/	
C/E-4 ~~D. Hooker~~ Bogliane	10:30 / 3:01	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	1:47 / 6:30	/	
S-5 A. Fox	3:01 / 3:05	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: August 29, 1990

No.	Name	Time In/Out	Time In/Out	Remarks
E-2	K. Fitzgerald (Ebasco)	10:15/ 3 22		
E-3	C. Montana (Ebasco)	10:15/ 3:22		
E-6	M. Negrelli (USEPA)			
E-7	J. White (NYDEC)			
E-8	S. Evans (NYDEC)			
E-9	B. Chaffee Village	10 23/12:57		
E-10	J. Hennessy Town	10:23/12:57		

S-5	7:54/3.02	4:56/5:10					
A-3	~~7:54~~ 8:01/8:10	11:59/12:24	4:20/4.39				
A-4	8:04/8:11	11:55/12:03	4:21/ 4 34				
A-5	8:04/8:15	11:40/11:50	3:35/3:48				
A-6	8:20/8:30	12:13/12:23	4:14/4.26				
A-7	8:25/8:31	12:21/12:36	4:53/5:07				
A-8	8:32/8:43	12:24/12:36	4:53/5:04				
A-9	8:45/8:52	12:28/12:46					
A-10	10:30/10:50						
S-2	11:28/11:37	12:55/1:13	2.28/2:40				

S-5	Tim Vogel	Ungerman
A-3	Jim Rafter	Spin Rite
A-4	Scott Workboys	
A-5	Fred Osmond (61)	General Crushed Stone
A-6	Frank Charland (64)	"
A-7	James Coombs (66)	"
A-8	Ray Charland (63)	
A-9	Rob Hall	Spin Rite
A-10	Clint Perry	Alfred Atlas
S-2	Boyd Green	Green's Trucking

Dale Zanders	10:00/10 20		Shortz Oil Co.
Joe Karpinski C-15	10:20/11:01		KEX/Corrysurvey
UPS	10:48/10:50		1 piece delivery
Floyd Butt	11:10/12:50	3.07/4:12	
FedEx	1:55/1:57		1 piece delivery
Beam clean	2:07/4.05		
~~[illegible]~~ UPS	3.51/3.55		2 piece pickup

P Parker
A. Mueller, Helper
E Gentowski
JT Dale
G Stiles
} All working

PROJECT ENTRY PERMIT

DATE: 8-29-90 TIME IN: _____ TIME OUT: 7:45 am

NAME: A. Mueller-Leile

COMPANY: Canonic

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-29-90 TIME IN: _____ TIME OUT: 7:30 pm

NAME: R. Porter

COMPANY: Canonic

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-29-90 TIME IN: _____ TIME OUT: 7:30 pm

NAME: J Frey

COMPANY: Canonic

BADGE No: C-20

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-29-90 TIME IN: 6:45 AM TIME OUT: 8:20 PM

NAME: GARY L SYKES

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8/29/90 TIME IN: 7:30 AM TIME OUT: 7:30

NAME: FRANK GONTOWSKI

COMPANY: CANONIE

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 28, 1990

Arrived at: 2:00 p.m.

Contractor working toe trench. Excavated sand and gravel hauled to embankment foundation at station 4 to 11 approximately.

No clay because of previous nights rain.

Contractor sealed fills with static smooth drum in preparation for expected rains which occurred about 8-10 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 28, 1990

Arrived at: 6:45 a.m.
Plan of Day:

* Work on toe trench construction.
* Place rip rap along NY dike.
* Backfill with trench material at station 12+00 to 14+00.
* Clear on east bank.

Note: Had a storm last night with high winds, heavy rain and lighting, so want to be hauling clay.

Gave Allan M. and Jon A. the ludgate drawing and told them what we needed.

Called Vanu and asked him for information on new locations at E/D points 9 and 10. He will run coordinates check and keep me informed.

It is very wet at most of the work areas - NY dike is to wet to place rip rap along toe - area from station 3+50 to 22+31 is to muddy for anything other than drying and dewatering of water puddles. Toe trench construction station 1+00 to 3+00.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED
AUG 27 1990
AUG 29 1990
EBASCO/ARCO

DATE: 8-28-90 DAY: Tuesday HRS.WRK. 10hrs REPORT

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. 0-5 Dir. SE

PRECIPITATION: ____ HUMIDITY: High RIVER EL: AM 4.37 PM 4.38

PERSONNEL: NON MANUAL EBASCO.C.M. / CANONIE.P.S. /

	F.E/I /		R.E. /
	H&SO		P.E. /
	C/SE		QCM /
	P.M.		H&SO /
	HOP		P.M.
	"		P.SEC /
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	AAP Surveyors
"		SUPV. /	EMPS. 3
USCOE/EPA /		SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. ____

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963		Stand-by		
" D-6	10			
" D-5	10			
" 12G	8			
(Sheep)Compactor		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk			Down	
Hertz Wtr.Trk	10			
ACPR.		Stand-by		
Chipper	8			
Generator / steam Genny	8			
½ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY Pump P-5. Work on toe trench. Start clearing east bank. Rip Rap is still coming today.

SAFETY No Smoking permitted while working.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #608 (Construct W. Bank Toe Trench)
#605 (Place W. Bank Rip Rap Protection)

EAST BANK #404 (Clear E. Bank)
#405 (Grub E. Bank)

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	1733.32
EXCAVATION			BEDDING MATRL	CY	47.1
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	362.7
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	624	"		
[Stockpile Area] WASTE MATRL.	CY	192	"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	567.4
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	1200		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Act ID # 204 (Stake out east bank)

PE Stakeout #'s 0+0, 6, 7, 9, 10

- Ties to creek elevation for coordinates E. Bank Realignment for Ebasco

- Tie Staking N.Y. Pike Elevation Run for Creek E. Bank Realignment for Ebasco.

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	4+50 - 3+00	A-3	Excav. of	Toe Trench	X	
2	5+90 - 3+50	A-6	Geotextile		X	
3	5+90 - 4+00	A-7	Bedding		X	
4	6+00 - 4+00	A-8	Rip Rap		X	
5	2+30 - 3+00	A-1	Clearing &	Grubbing	X	
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS All Testing Results for the clay embankment fill to date are enclosed.

TECHINICAL CONCERNS/PROBLEMS:

8-28 90

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	7,2	70,8
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1027	5T40-15R	HNu	Real Time	1 ppm
2	1028	5T40-15R	Miniram	RT	8.00 mg/m³
3	1029	5T40-15R	CGI	RT	20% O₂, 0% LEL
4	1052	9T50-5R	HNu	RT	1 ppm
5	1053	9T50-5R	Miniram	RT	0.00 mg/m³
6	1054	9T50-5R	CGI	RT	20% O₂, 0% LEL
7	1331	4T10-40L	HNu	RT	1 ppm
8	1332	4T10-40L	Miniram	RT	0.00 mg/m³
9	1333	4T10-40L	CGI	RT	dead battery
10	1425	4T00-40L	HNu	RT	1 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1036	Not CECA	3/Tractor, dozer	D	None
2	1100	Recon pad	1/dozer	D (modified)	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: 0

Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED: None

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No Accidents or incidents to report today august 28, 1990

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8-28-90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

JOB NO: 88-093 | LOCATION OF WORK: W. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

#404 (Clear E. Bank)
- Cleared 50' ~ Sta 2+30 - Sta 3+00
- Chipped branches, trunks & vines as clearing operation progressed.

#405 (Grub E. Bank)
- Grubbed 50' wide access road as clearing progressed. Sta 2+30 - Sta 7+80

OTHER :
- Cut 2.5 feet out of overexcavation fill between Sta 7+00 - Sta 7+50 and Sta. 8+25 - Sta 8+75 due to pumping. Backfilled with clean suitable fill from the trench excavation in one foot loose lifts and compacted with smooth drum compactor (4 passes)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter
CONTRACTORS SUPERVISOR:
DATE: 8-28-90
HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville
WEATHER & TEMPERATURE:

JOB NO: 88-093
LOCATION OF WORK: W. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

#608 (Construct W. Bank Toe Trench)

- Removed excavated unsuitable material from Sta 5+50 - 5+00 that was stockpiled next to the Toe Trench excavation and hauled to unsuitable stockpile area.
- Material that was stockpiled next to Toe Trench excavation from Sta 4+00 - 4+50 was suitable material for backfill and was placed within the footprint of the Dike along with newly excavated suitable material from Sta 4+50 to Sta 3+00. Suitable material excavated was placed in 8" loose lift on dike footprint from Sta 6+50 to Sta 10+00. Lift was compacted with 4 passes of the smooth drum compactor. 26 loads = 624 cy
- Placed: Geotextile from Sta 5+90 - Sta 3+50
  Bedding from Sta 5+90 - Sta 4+00
  Rip Rap from Sta 6+00 - Sta 4+00

#605 (Place W. Bank RipRap Protection)

- Started removing C.O.E. Rip Rap and placing in Lagoon at Sta 20+00.
- Placed Rip Rap according to the Contract Drawings from Sta 6+00 - Sta 4+00

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-1
SHEET ____ OF ____
INSPECTION DATE 8-29-90

CLEARING AND GRUBBING

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- AREA TO BE CLEARED IS STAKED BY THE SURVEY CREWS TO CONFORM WITH THE CONTRACT DRAWINGS.	____	____	____
- DIKE FOUNDATION AREA IS STAKED AT 50' MAXIMUM SPACING ALONG DIKE AND ELEVATIONS AND LOCATIONS ARE RECORDED.	____	____	____
- AREA IS FREE OF TREES, BRUSH, LOGS, LIMB WOOD, RUBBISH AND OTHER OBSTRUCTIONS.	X	____	____
- STUMPS, ROOTS LARGER THAN 1-1/2 INCHES IN DIAMETER AND DECAYED MATTER REMOVED TO AN 18" DEPTH FROM AREA REQUIRING GRUBBING.	X	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 2+30 TO 3+00

4. REMARKS Area ~50' wide was cleared and grubbed for access road only. The 50' of clearing and grubbing falls within the 75' feet ROW

INSPECTOR _____ DATE 8-29-90

REVIEWED BY _____ DATE 8-30

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH

INSPECTION DATE 8-28-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. ~~KEY TRENCH~~/TOE PROTECTION TRENCH LOCATION

DIKE STATION 4150 TO 3400

4. REMARKS _____

INSPECTOR _____ DATE 8-29-90

REVIEWED BY _____ DATE 8-30

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 8-26 10

	ACCEPT	REJECT	N.A.
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 5190 TO 3150

5. REMARKS _____

INSPECTOR _____ DATE 8-29-10

REVIEWED BY _____ DATE 8-30

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 8-28-90

BEDDING

	ACCEPT	REJECT	N A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 5+90 TO 4+00

5. REMARKS ~~OE WORK~~

INSPECTOR [signature] DATE 8-29-90

REVIEWED BY ~~MA~~ DATE 8.30

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 8-28-90

RIP RAP

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 6+00 TO 4+00

5. REMARKS TOE TRENCH

INSPECTOR _____ DATE 8-29-90

REVIEWED BY _____ DATE 8-30

PM Activities: Placing stone, Rip Rap in toe trench 4+ [illegible], Recon of [illegible] Dozer for use on East Bank

PM Activities: Excavation of toe trench from 4+50 → Tie in, Clearing East bank

Time: 1073, Temp ≈ 75°F, Cloudy, No Wind

Time: 1730, Temp ≈ 83°F, Pt Sunny, West Wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
3/28/90 - 1027	5+40-15R	HNu	PI101	Cal = 111 ppm Isobutylene		
3/28/90 - 1028	5+40-15R	Miniram	PDM-3	Bg = 1 ppm	1 ppm	R.T
3/28/90 - 1029	5+40-15R	CGI	261	2 bag for zeroing 15% O_2, 50% LEL	0.00 mg/m³	R.T
3/28/90 - 1052	9+50-5R	HNu	PI101	same	20% O_2, 0% LEL	R.T
3/28/90 - 1053	9+50-5R	Miniram	PDM-3	same	1 ppm	RT
3/28/90 - 1054	9+50-5R	CGI	261	same	0.00 mg/m³	RT
3/29/90 - 1331	4+10 40L	HNu	PI101	same	20% O_2, 0% LEL	RT
3/29/90 - 1332	4+10 - 40L	Miniram	PDM-3	same	1 ppm	RT
3/29/90 - 1333	4+10 - 40L	CGI	261	same	0.00 mg/m³	RT
3/28/90 - 1425	4+00 - 40L	HNu	PI101	same	Dead battery	—
3/28/90 - 1426	4+00 - 40L	Miniram	PDM-3	same	1 ppm	RT
					0.00 mg/m³	RT

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-28-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

No levels above background/normal found on the HNu, CGI, Miniram during Toe trench excavation from 5+00 → Tie in

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111ppm Isobutylene

CGI = 15% O_2, 50% LEL

Miniram = ~~Z~~ bag for Zeroing

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-23-90

Work Areas Checked: N of CELA
Decon pad near wash trailer

Employees Present in Work Areas: Nola Tracy, Scott Hunt, Grant Mecham, Gail Reid, Clint McKim, Bob McKim, Phil Smith, Kurt Ettinger, Dave Dekker

Equipment Being Utilized: Trackhoe, loader, Rental water truck, dozer (D6), Chipper, Chain saw

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

None

Camone

By EJG Date 8/17/90 Subject Density Test Results Sheet No. 1 of

Chkd. By ____ Date ____ Proj. No. 88-093

1/4" X 1/4"

Test No.	①	②	③	④	⑤
Location	STA. 20+50 ℄	STA. 18+00 ℄	STA. 17+00 R	STA. 19+05 R	STA 18+50R
WD (pcf)	115.5	126.1 ~~123~~	118.0	131.8	128.4
Method	SC	SC	SC	SC	SC
% M	23.6	28.8	30.5	27.9	27.6
Method	S	S	S	S	S
DD (pcf)	93.5	97.9 ~~93~~	90.4	103	100.6
Date	8/15/90	8/15/90	8/16/90	8/16/90	8/16/90
Time	17:30	18:40	12:20	13:15	18:40
Elev. (Ft)	1498.6	1500.5	1500.8	1501.6	1502.0
Proctor Value (pcf)	95.4	100.1	94.8	100.1	100.1
Proctor #	TP-5/6	#6	10	#6	#6
Opt. Moist (%)	26.9	24.8	26.4	24.8	24.8
% Proctor	98.3	97.8	95.4	102.9	100.5

NOTE: S = Speedy N = Nuclear
O = Oven SC = Sand Cone

Canonie

By ____ Date 8/21/90 Subject Density Test (Sand Cone)

Chkd. By ____ Date ____ Proj. No. 88-023 Sheet No. 2 of ____

1/4" X 1/4"

Test No.	⑥	⑦	⑧	⑨	⑩	(
Location	Sta. 19+00 ℄	Sta. 20+75 R	Sta. 18+40 R	Sta. 21+00 R	Sta. 18+00 R	Sta. 15+50 R
WD (pcf)	132.2	124.8	124.6	123.1	123.7	122.7
Method	SC	N	N	N	N	N
% M	27.3	27.2	25.5	25.9	26.4	27.2
Method	S	O	O	O	O	S
DD (pcf)	103.9	98.1	99.3	97.8	99.5	96.5
Date	8/16/90	8/17/90	8/17/90	8/18/90	8/18/90	8/18/90
Time	19:05	17:27	18:00	9:54	12:15	13:05
Elev. (Ft)	1502.6	1503.7	1503.3	1501.6	1501.1	1498.9
Proctor Value (pcf)	100.1	100.1	100.1	95.6	100.1	95.6
Proctor #	#6	#6	#6	TP-1	#6	TP-1
Opt. Moist (%)	24.8	24.8	24.8	27.3	24.8	27.3
% Proctor	103.8	98.0	99.2	102.3	99.4	100.9

Note: S = Sand Cone

SC = Sand Cone

Canonie

By EJG Date 8/28/90 Subject Density Test Results Sheet No. 3 of ____

Chkd. By ____ Date ____ Proj. No. 88-093

1/4" X 1/4"

Test No.	(12)	(13)	(14)	(15)
Location	Sta. 19+00 R	Sta. 19+00 R	Sta. 19+00 R	Sta. 13+60 ℄
WD (pcf)	121.2	124.1	132.8	128.9
Method	SC	N	T R=9"/12" T=9 3"-7 5/16"	N
% M	25.3	25.3	24.4	27.2
Method	O	O	O	O
DD (pcf)	96.7	99.0	106.8	101.3
Date	8/25/90	8/25/90	8/25/90	8/27/90
Time	9:30	9:30	10:20	17:20
Elev. (Ft.)	1502.4	1502.4	1502.6	1496.2
Proctor Value (pcf)	96.6	96.6	100.1	100.1
Proctor #	#5	#5	#6	#6
Opt. Moist. (%)	24.7	24.7	24.8	24.8
% Proctor	100.1	102.5	106.7	101.2

Note: S = Speedy, O = Oven, N = Nuclear, SC = Sand Cone, T = Tube Density

Canonie

By FJG Date _____ Subject % < # 200 Sieve Data Sheet No. ____ of ____

Chkd. By ____ Date _____ Partial River Channelization Proj. No. 88-093

1/4" X 1/4"

Sample #	G-1	G-2
Location	Sta. 16+00 R	Sta. 18+00 R
Date	8/21/90	8/25/90
Tare #	4	4
Tare Wt. (g)	88.3	88.3
Wet Soil + Tare (g)	500.8	410.3
Dry Soil + Tare (g)	412.8	342.3
Moisture (%)	27.1	26.8
Dry Soil + Tare (g) After Washing	88.1	92.89
% < # 200 Sieve (%)	99.97	98.2

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: August 28, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:50/9:25	9:40 / 12:17	12:58/1:08 1:17/3:07 3:29/6:25
C-2 L. Dekker	6:50 / 10:47	11:39 / 12:17	12:58/6:25
C-3 P. Porter	6:57 / 9:13	9:34 / 12:05	12:54/2:12 2:25/6:06
C-4 A. Muellerleile	7:09 / 12:17	12:53 /	
C-5 C. Ettinger	6:55 / 11:55	12:10 / 5:36	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	6:48 / 6:01	/	
C-9 G. Lazusky	6:48 / 6:01	/	
C-10 C. Carrow	6:51 / 7:20	3:50/ 3:55	4:15/4:17 5:28/5:45
C-11 B. Mckim	6:40 / 11:17	11:53 / 12:45	3:07/ 5:49
C-12 C. Mckim	6:39 / 5:28	/	
C-13 G. Reid	6:40 / 10:17	10:28 / 11:17	11:53/12:48 3:07/5:26
C-14 N. Tracy	6:39 / 11:55	12:05 / 5:52	
C-15 G. Maichele	6:35 / 12:52	3:07 / 5:52	
C-16 S. Hunt	6:07 / 11:54	12:06 / 12:40	3:07/5:52
C-17 P. Smith	6:42 / 5:28	/	
C-18 J. Clifford	6:55 / 12:17	12:53 / 6:06	
C-19 R. Bartels	6:51 / 7:26	7:36 / 7:40	12:16/12:43 5:28/5:45
C-20 J. Woodford	/	/	
E-1 G. Stiles	6:48 / 11:45	12:07 /	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C Swaas	2:05 /	/	
E-5 C. Bixby	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:30/11:58	12:20/ 2:00	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	4:39 / 4:40	
S-4 T. Cobb	1:45 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: August 28 1990

No./Name	Time In/Out	Time In/Out	Time In/Out	Time In/Out	Remarks
A-1 7:51/4:17					
A-2 8:05/8:11	11:50/12:15	4:09/4:10			
A-3 8:23/8:30	12:07/12:15	4:29/4:42			
A-4 8:23/8:30	12:07/12:16	4:29/4:42			
A-5 8:30/8:37	12:30/12:39	4:17/4:29			
A-6 8:31/8:40	12:33/12:41	4:26/4:34			
A-7 8:31/8:41	12:17/12:24	4:04/4:12			
A-8 8:40/8:45	12:21/12:27	3:49/3:57			
A-9 9:46/9:54	1:22/1:27	5:28/5:36			
A-10 5:28/5:36					

A-1	Tim Vogel	Ungerman
A-2	Jim Rafter	~~Gene~~ Spin Rite
A-3	Scott Woeboys	"
A-4	Frank Calaci	"
A-5	Frank Charland 64	General Crushed Ston
A-6	Ray Charland 63	"
A-7	Fred Osmund 61	"
A-8	Rob Hall	Spin Rite
A-9	James Coombs 16	General Crushed Stone
A-10	Rick Snook	Spin Rite

~~Deans~~ Septic Service	10:00/10:25	Pump Holding Tank
UPS	10:21/10:24	2 piece delivery
Jerry & Gerry Porter	10:25/10:58	to see P. Porter
Rick Scutt	10:11/10:36	Shorts Oil Co.
Fed Exp.	1:51/1:52	1pc pickup/2pc. delivery
UPS	3:29/3:33	1pc. pickup

Alan Muellerleile
Gary Stiles
C. Evans
} Still working

PROJECT ENTRY PERMIT

DATE: 8-28-90 TIME IN: _____ TIME OUT: 8:00 am

NAME: A. Mueller Leile

COMPANY: Canonie

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 8-28-90 TIME IN: 6:45 AM TIME OUT: 7:45 PM

NAME: Gary L Shles

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 27, 1990

Arrived at: 6:45 a.m.
Plan of Day:

* Place clay fill.
* Continue toe trench construction.
* Continue placing rip rap along NY dike.

Talk with Kevin about rip rap at toe of NY dike - he had received the FAX and agrees with what I have told them to do.

Stubby left me a note that their was going to be COE people available for a meeting Wednesday morning.

I talked with Dave Dekker and asked him if he could have Jon do some survey work along the river Tuesday. He will have Jon bring in two guys for clean up work.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

AUG 27 1990

EBASCO / ARCO

DATE: 8-27-90 DAY: Monday HRS.WRK. 10 hrs REPORT NO: 60

WEATHER INFORMATION:

TEMPERATURE: High 80 Low 61 WIND: Mph. [illegible] Dir. Prevailing

PRECIPITATION: _____ HUMIDITY: Mod RIVER EL: AM 04.37 PM 04.35

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

		F.E/I	R.E.
		H&SO	P.E. 1
		C/SE	QCM 1
		P.M.	H&SO 1
		HOP	P.M.
		"	P.SEC 1
		"	HOP
	ARCO	P.M.	"
	OTHERS		CANONIE SUB. App Surveyors
	"		SUPV. 1 EMPS. 2
	USCOE/EPA	1	SUB.
	"		SUPV. EMPS.
	VISITORS	See Security log	

MANUAL CANONIE GEN. Labor _____ Equip. Oper. 7

Truck Drivers _____ Others _____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	8			
" 12G	8			
(Sheep)Compactor	10			
(Smooth) "	8			
Canonie Wtr. Trk			Down	
Hertz Wtr.Trk	10			
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
½ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY Trucking in clay today. Continue toe trench operation Continue placing Rip Rap at toe of NY Ave

SAFETY A lot of trucks coming and going today Dust control and watch where you are going

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Act ID # 608 (Construct W. Bank toe trench)
#605 (Place W. Bank Rip Rap Protection)
#604 (Construct W. Bank Pike)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER

PAGE: ____ OF ____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	475
CONTNTD	CY		GEOTEXTILE FAB	SY	250
EXCAVATION			BEDDING MATRL	CY	24.8
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	416.69
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	336	"		
[to CELA] WASTE MATRL.	CY	168	"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	416.69
CLAY FILL	CY	490	ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS	1000		
SANITARY WSTE.	GALS	150		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Toe - Staking

Cross-sectioning excavated toe trench

Office Comps

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	6+50 - 4+50	A-3	Toe Trench	excavation	X	
2	10+50 - 14+50	A-5	Clay		X	
3	7+00 - 5+90	A-6	Geotextile		X	
4	7+00 - 5+90	A-7	Bedding		X	
5	6+00 - 8+50	A-8	Rip Rap		X	
6	5+50 - 6+00	A-12	Contaminated Material		X	
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Clay test at Sta 13+00 passed requirements. Results on pg # 7

TECHINICAL CONCERNS/PROBLEMS: None

HEALTH & SAFETY 8-29-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	6, 2, 1	60, 16, 4
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0859	12+00-40R	HNu	Real Time	1 ppm
2	0900	12+00-40R	Miniram	RT	0.07 mg/m³
3	0914	12+00-40R	CGI	RT	20.4% O₂, 0% LEL
4	0931	6+50	HNu	RT	1 ppm
5	0932	6+50	Miniram	RT	0.00 mg/m³
6	0933	6+50	CGI	RT	20.2% O₂, 0% LEL
7	1101	6+00-20L	HNu	RT	2 ppm
8	1102	6+00-20L	Miniram	RT	0.00 mg/m³
9	1103	6+00-20L	CGI	RT	20.5% O₂, 0% LEL
10	1115	5+50-20L	HNu	RT	15 ppm

(*) or more readings per air monitoring data sheet

(*) DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1005	N of CELA	3/Trackhoe, loader, dozer	D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: 0

Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	~~1630~~	~~N of CELA~~	None		
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report today August 27, 1990

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Peter Porter | CONTRACTORS SUPERVISOR: | DATE: 8-27-90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Act ID # 608 (Construct W. Bank Toe Trench)

Excavated toe trench Sta 6+50 - Sta 4+50

- Sta 6+00 - Sta 5+50 : excavated toe trench and found old railroad ties, scrap metal and other debris in material unsuitable for backfill.
- material was hauled to CELA - As per C.M.
- 7 loads (~168 cy)
- Remainder of excavated material [redacted] was (Sta 6+00 - 6+50) suitable for backfill and was placed between (Sta 4+50 - 5+00) Sta 7+00 - Sta 9+25 and compacted in one foot loose lifts with in the dike footprint.
- 14 loads = 336 cy
- Material from Sta [redacted] - Sta 5+50 was unsuitable for backfill, but was stockpiled along the side of the excavation awaiting removal to the unsuitable stockpile area (8-25-90)
- material contained terracotta pipe, concrete and some wood and metal.

604 (Construct W. Bank Dike)

- Worked on 1st lift of clay fill from Sta 10+50 to Sta 13+00. Continued 2nd lift from Sta 13+00 to Sta 14+50
- 475 cy of clay placed and compacted
- Test run on clay fill at Sta 13+60

% compaction 100.2

% m (speedy) - 28.7 %

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8-27-90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sucker Refinery, Nelsonville | WEATHER & TEMPERATURE:

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

608 (Con't)

- placed Geotextile Sta: 7+00 - 5+90
  Bedding Sta 7+00 - 5+90
  Rip Rap Sta 8+50 - 6+00
- All materials were placed according to the Contract Drawings.

605 (Plant W. Bank Rip Rap Retention)

- placed ~ 200' of Rip Rap Protection at toe of N.Y. Pike
- Went back and brought up to the correct tolerances R.p Rip between Sta 8+50 - 7+00 and placed Rip Rap to the correct tolerances from Sta 7+00 - Sta 6+00

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH

INSPECTION DATE 8-27-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 6+50 TO 4+50

4. REMARKS - Sta 6+50 - 6+00 : clean suitable material
- Sta 6+00 - Sta 5+50 : Contaminated unsuitable material went to CELA (2 loads = 116.8 cy) per C.M. direction.
- Sta 5+00 - 5+50 : unsuitable material stockpiled at excavation awaiting hauling to unsuitable stockpile area
- Sta 4+50 - 5+00 : clean suitable material.

Clean suitable material was placed on the footprint of the dike in max. one foot loose lifts and compacted with 4 passes of the smooth compactor from Sta 7+00 - 9+25

INSPECTOR _____ DATE 8-28-90

REVIEWED BY _____ DATE 8.28.90

FILL MATERIAL ABOVE WATER SURFACE

FORM A-5
SHEET ____ OF ____
INSPECTION DATE 8-28-80

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BORROW MATERIAL OBTAINED FROM BORROW AREA APPROVED BY CONSTRUCTION MANAGER	X	____	____
- FREE OF DEBRIS, ROOTS, ORGANIC OR FROZEN MATERIAL, STONES 3 INCH AND LARGER IN EQUIVALENT DIAMETER	X	____	____
2. PLACEMENT			
- INSPECT KEY TRENCH FOR FREE STANDING WATER AND/OR ORGANIC MATERIAL BEFORE PLACEMENT OF DIKE FILL	X	____	____
- EXISTING GRADE IS SCARIFIED	X	____	____
- MAXIMUM LOOSE LIFT OF 12"	X	____	____
- INSPECT LAYER OF FILL OR EXISTING GRADE FOR PROPER MOISTURE CONTENT (± 2% OF OPTIMUM) PRIOR TO PLACEMENT OF NEXT LIFT.	X	____	____
- SURVEYOR VERIFY DIKE ALIGNMENT, SLOPES, CONFIGURATION AND DIMENSIONS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.	X	____	____
3. VERIFICATION TESTING			
- 1 DENSITY TEST FOR EACH 750 CU. YDS. OR EACH AREA COMPLETED IN ONE DAY WHICHEVER IS LESS (AT LEAST 95% OF MAXIMUM DRY DENSITY)	X	____	____
- 1 MOISTURE CONTENT TEST (BETWEEN +2% AND -2% OF OPTIMUM) FOR EACH 750 CU. YDS. OR EACH AREA COMPLETE IN ONE DAY WHICHEVER IS LESS.	X	____	____

4. DUST CONTROL ACTION TAKEN: ____

5. FILL LOCATION
DIKE STATION 10+50 TO 14+50

6. REMARKS One lift (12" loose) was not completed. Test was run at Sta 13+60 where second lift was started

INSPECTOR [signature] DATE 8-28-80

REVIEWED BY [signature] DATE 8-28-80

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 8-27-90

GEOTEXTILE

	ACCEPT	REJECT	N.A.
1. MATERIAL			
AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 7+00 TO 5+90

5. REMARKS _____

INSPECTOR _____ DATE 8-28-90

REVIEWED BY _____ DATE 8-28-90

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 8-27-90

BEDDING

	ACCEPT	REJECT	N/A
1. MATERIAL			
QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 7+00 TO 5+90

5. REMARKS _____

INSPECTOR _____ DATE 8-28-90

REVIEWED BY _____ DATE 8-28-90

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 8-27-90

RIP RAP

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 6+00 TO 8+50

5. REMARKS _____

INSPECTOR _____ DATE 8-28-90

REVIEWED BY AA DATE 8-28-90

FORM A-12
SHEET ____ OF ____

DISPOSAL OF CONTAMINATED MATERIAL

INSPECTION DATE 8-27-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- LOCATION, CONFIGURATION AND MATERIALS USED FOR THE CONTAMINATED MATERIAL STORAGE AREA ARE IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. (PRIOR TO PLACEMENT OF CONTAMINATED MATERIALS) Compound was enlarged and approved by Corp Shtes (Chevron)	✓		
- CONTAMINATED MATERIAL STORAGE AREA IS COVERED WITH A LAYER OF CLEAN MATERIAL IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS (AFTER COMPLETION OF WEST DIKE EXCAVATION)			

2. DUST CONTROL

ACTION TAKEN _____

3. CONTAMINATED MATERIAL STORAGE AREA LOCATION (APPROXIMATE)

CELA - 7 cells ~ 168 cy

4. REMARKS Contaminated material was placed on CELA in the Enlarged compound at direction of C.M.

INSPECTOR _____ DATE 8-28-90

REVIEWED BY _____ DATE 8-28-90

[redacted] working N.E. of EA 12+00 area, Placing Rip Rap at ~ 6+50 area (in Toe Trench)

pm Activities: Excavating of Toe trench from 6+00 → 5+00, working clay, rip wrap, stone.

Time: 0858, Temp. ≈ 75°F, Hazy, No wind

Time: 1425, Temp ≈ 83°F, Pt. Sunny, WNW Wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/27/90-0854	12+00-40R	HNu	PI101	Cal = 111 ppm Isobutylene	1 ppm	
8/27/90-0900	12+00-40R	Miniram	PDM-3	Bg = 1 ppm		Real Time
8/27/90-0914	12+00-40R	CGI	261	2-bag for zeroing	0.07 mg/m³	RT
8/27/90-0931	6+50	HNu	PI101	15% O_2, 50% LEL	20.4% O_2, 0% LEL	RT
8/27/90-0932	6+50	Miniram	PDM-3	Same	1 ppm	RT
8/27/90-0933	6+50	CGI	261	Same	0.00 mg/m³	RT
8/27/90-1101	6+00-20L	HNu	PI101	Same	20.2% O_2, 0% LEL	RT
8/27/90-1102	6+00-20L	Miniram	PDM-3	Same	2 ppm	RT
8/27/90-1103	6+00-20L	CGI	261	Same	0.00 mg/m³	RT
8/27/90-1105	5+50-20L	HNu	PI101	Same	20.3% O_2, 0% LEL	RT
8/27/90-1118	5+50-20L	CGI	261	Same	15 ppm	RT
8/27/90-1120	5+50-20L	Miniram	PDM-3	Same	20.1% O_2, 0% LEL	RT
8/27/90-1426	7+00	HNu	PI101	Same	0.05 mg/m³	RT
8/27/90-1427	7+00	Miniram	PDM-3	Same	1 ppm	RT
8/27/90-1428	7+00	CGI	261	Same	0.00 mg/m³	RT
					20.3% O_2, 0% LEL	RT

1 Dozer, 1 shearer out NE of CELA

At 11:20 AM Toe [illegible]

5150 when levels above 5 ppm were instantly hit - Toe trenching for the day would cease until the dumptruck driver was fit tested (& beard shaven) or another driver was found.

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
3/27/90 -1350	5+25-15L	HNu	PI101	Same	3 ppm	2.5.
3/27/90 -1351	5+25-15L	Minirum	PDM-3	Same	0.00mg/m³	RT
3/27/90-1352	5+25-15L	CGI	261	Same	20.4%O₂, 0%	LEL RT

digging of the trench continued at 5+50 at ≈ 1530 without use of the Ungerman dump truck (the spoils were piled along the bank of the [illegible]

[illegible] continued. From 5+50 → 5+00 BZ levels on the HNU ranged from 0–15 ppm above bg (2 average). A strong N.W wind prevented levels from building to above 2-3 ppm above bg for extended periods of time. Norm Tracy was working the backhoe upwind of the excavated material. Respirators were removed at ≈ 1600

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-29-90

Real-Time Air Monitoring Results and Work Area

HNu levels found during Excavation of Toe trench from 6+00 → 5+00 ranged from 0 - 15 ppm above background (mostly at 5+50 → 5+00)
CGI/Miniram levels were at normal/background

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene
CGI = 15% O₂, 50% LEL
Miniram = Z-Bag for zeroing

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-29-90

Not CELA

Employees Present in Work Areas: Scott Hunt, Gail Reid, Norm Tracy, Grant Machelie, Bob McKim, Clint McKim, Phil Smith, Dave Rikker, Kurt Ettinger

Equipment Being Utilized: Truck hoe, loader, dozer, Grater, water truck (rental)

PPE Being Utilized: level D, level C

Accidents/Breeches of Procedures:

- Mr. Norman Tracy was found smoking North of the CELA in a no smoking area at ± 1630
- Mr. Reid and Mr. Hunt were using hammers on the loader teeth (changing teeth) without safety glasses in place at ≈ 0835

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 8/27/90

No./Name	Time In/Out	Time In/Out	Remarks
C-2 L. Dekker	6:40/12:18	12:58/6:17	
C-3 P. Porter	6:42/11:11	11:21/12:34	12:53/6.06
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	6:47/5:38	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	7:15/5:39	/	
C-9 G. Lazusky	7:15/5:39	/	
C-10 C. Carrow	7:40/5:38	/	
C-11 B. Mckim	6:30/6:66	/	
C-12 C. Mckim	6:30/5:55	/	
C-13 G. Reid	6:30/5:29	/	
C-14 N. Tracy	6:47/5:30	/	
C-15 G. Maichele	6:22/12:46	12:57/6:06	
C-16 S. Hunt	6:27/11:57	12:08/6.01	
C-17 P. Smith	6:41/5:29	/	
C-18 J. Clifford	7:13/12:34	12:53/6:06	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:47/10:10	10:57/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C Swan	/	/	
E-5 C. Birby	7:50/3:19	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	1:35/1:50	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/2:00	/	
S-4 T. Cobb	1:57/6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 8/27/90

Nr. Name	Time In Out			Time In Out		Remarks
A-2 7:07/7:15	8:56/9:03	10:44/10:49	12:32/12:37	2:12/2:17	3:56/4:01	5:41/5:48
A-3 7:07/7:16	8:45/8:52	10:25/10:34	12:20/12:27	2:00/2:06	3:34/3:41	5:20/5:29
A-4 7:51/8:00	9:30/11:16	12:20/1:06	2:37/2:45	~~3:11~~	4:32/5:30	
A-5 8:00/8:07	9:45/9:51	11:31/11:39	1:20/1:30	3:07/3:13	4:51/5:30	
A-6 8:18/8:29	12:10/12:17	4:00/4:13				
A-7 8:19/8:29	12:25/12:35	5:03/5:10				
A-8 8:23/8:30	11:58/12:06	3:36/3:47				
A-9 8:35/8:44	1:01/1:17	5:03/5:10				
A-10 8:35/8:45	1:01/1:17	5:10/5:22				
S-5 8:47/8:54	12:27/12:37	5:10/5:22				
S-6 9:00/9:07	10:46/10:55					
S-7						
S-8						
S-10						
E-5						
E-6						
E-7						
E-8						
E-9						
E-10						
C/E-5						
C/E-6						
C/E-7						
C/E-8						
C/E-9						
C/E-10						

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 8/27/90

Name	Time In/Out	Time In Out	Remarks
	"	"	
A-2	Diane Tingue		
A-3	Bob Cline	Davison Trucking	
A-4	Manley Clark	Ungerman	
A-5	Tim Vogel		
A-6	Frank Charland 64	General Crushed Stone	
A-7	Jim Rafter	"	
A-8	Fred Osmond 61	"	
A-9	Ray Charland 63	"	
A-10	James Coombs	"	
S-5	Robert Hall	"	
S-6	Bill Raimondi	Clint Case	
S-7			
S-8			
S-10			
E-5			
E-6			
E-7			
E-8			
E-9			
E-10			
C/E-5			
C/E-6			
C/E-7			
C/E-8			
C/E-9			
C/E-10			
Dale Zanders	9:45/10:10		Shorts Oil Co
Tom Gowan C-18	9:46/11:07		Beam Clean
UPS	10:14/10:19		4 piece delivery
Adams Septic Service	10:17/10:34		
Leonard Osgood	10:30/10:41		to see D. Dakken
Mark Cunningham	10:55/10:57	11:52/1:26	Kerr, Russell & Weber
Joanne Treadway C-19	11:43/1:22		to see K. Ettinger
Patton's Busy Bee	12:02/12:11		
George Ellison E-5	12:15/1:26		Clausen
Fed Ex.	1:56/1:58		
Charlie Masana	2:33/3:04		Landscaping
UPS	3:24/3:27		2 piece pickup

G. Stiles - Still working

PROJECT ENTRY PERMIT

DATE: 8-27-90 TIME IN: 6:30 am TIME OUT: _____

NAME: Gary L Sikes

COMPANY: EBASCO

BADGE No: E-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 26, 1990

Arrived at 7:30 a.m.

Three guys in doing maintance on the equipment.

Canonie people left at 12:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 25, 1990

Arrived at 6:45 a.m.
Plan of Day:

* Continue toe trench North of station 8+50.
* Take density tests in clay fill adjacent to NY Dike. (nuclear gage, sand cone and shelby tube for comparison purposes)
* Rework all fill surfaces to accelerate drying in preparation for dike fill on Saturday.

Field Observations and Activities:

Cat 235 backhoe fine graded and placed bedding stone and rip rap in toe trench North of station 8+50. Excavated surfaces closely inspected for oil and grease, none found. Area 7+10 - 7+30 contained some bricks, rusted scrap iron and concrete remnants and fragments, but no oil. HNU readings all within background. Old fill geotechnically suitable for low dike, so no o.x. required.

Took density tests in clay adjacent to NY Dike at +- 2 feet below fill surface. (sand cone of nuclear). Nuclear moistures running 2-3% below hot plate on testing accomplished. Contractor experimented with pushed shelby tube sample for determination of field densities.

Contractor attempting to aerate fill surfaces by blading with wide track buldozer.

Inspected South end of NY Dike where ramp in will be built for installation of rip rap at water line. Three feet of silt overlies suitable foundation on river gravel. Agreed that silt must be removed and can be wasted in hole located immediately to South.

Left site at 2:00 p.m. for trip to Ungerman clay pit on way to airport.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 25, 1990

Arrived at 7:15 a.m.
Plan of Day:

* Continue toe trench excavation.
* Place geotextile, bedding and rip rap in toe trench.
* Place rip rap along NY Dike.

Decon Ungermans truck and sent it off project.

Frank and Pete took compaction test on clay at NY Dike.

Worked area from station 17+00 to 9+00 to dry out material.

Cal went home this weekend, he left at 3:00 p.m. and will be back Tuesday afternoon.

Started placing rip rap along NY Dike at U/S end (south).

Continued toe trench construction.

G. Stiles

RECEIVED
AUG 25 1990
EBASCO/ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 8-25-90 DAY: Saturday HRS.WRK. 10h. REPORT NO. 59

WEATHER INFORMATION:

TEMPERATURE: High 70 Low 65 WIND: Mph. _____ Dir. _____

PRECIPITATION: None HUMIDITY: mod-high RIVER EL: AM 04.44 PM 04.41

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1		R.E.
	H&SO		P.E. 1
	C/SE		QCM 1
	P.M.		H&SO
	HOP		P.M.
	"		P.SEC
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	Asp Surveyors
"		SUPV. 1	EMPS. 2
USCOE/EPA	1	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security Log		

MANUAL CANONIE GEN. Labor _____ Equip. Oper. 5

Truck Drivers _____ Others _____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5		Stand-by		
" 12G	10			
(Sheep)Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk			Down	
Hertz Wtr.Trk		Stand-by		
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
½ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY Catch up with installing materials in Toe Trench (Bedding, RipRap, Geotextile) Start placing RipRap at S. end of NY Bar. Clean up bank [illegible]

SAFETY General overall safety for Construction.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 608 (Construct W. Bank Toe Trench)
605 (Place W. Bank RipRap Protection)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTN'D	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	1,100
EXCAVATION			BEDDING MATRL	CY	37.2
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	567.61
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Toe Staking on W. Bank

Comp's on Volumes

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	8+50 - 7+00	A-6	Geotextile		X	
2	8+50 - 7+00	A-7	bedding		X	
3	8+50 - 7+00	A-8	Rip Rap		X	
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Taste Run on Clay from Sta 15+00

① Nuclear Density meter

② Sand cone / speedy moisture

③ Core sample

Results will be submitted 8-29-90

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	5, 2	50, 14
"D"		
"C"		
"B"		
QTHER		

AIR MONITORING: None.

Sample	Time	Location	Instrument	Sample type	Results
1	No excavation work was performed.				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	09:30	Sta 8+00	1 / trackhoe	D	None
2	13:40	Sta 11+00	1 / OE	D mod	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS: None

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In: _____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OP PROCEDURES: None

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1					
2					

Accident/Breeches Report:_____

_____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No poobloms

Daily Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE: 8-25-90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE:

LOCATION OF WORK

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity ID # 608 (construct W. Bank Toe Trench)
Placed : Geotextile Sta 8+50 - 7+00
Bedding Sta 8+50 - 7+00
Rip Rap Sta 8+50 - 7+00

All materials were placed according to the Contract Drawings.

Act. ID # 605 (Place W. Bank Rip Rap Protection)
- Place Rip Rap Sta 8+50 - 7+00
- Went over Sta 11+00 - 8+50 to fill in low spots or knock down high spots to comply with the tolerances.
- Started placing Rip Rap protective at toe of NK Dike
  - placed 50' of protection
  - Surveyors placed toe stakes in accordance with the Contract Drawings

OTHER: General Clean up of Haul Roads & movement of soils for Regrade.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 8-27-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 8+50 TO 7+00

5. REMARKS _____

INSPECTOR Patrick Cooley DATE 8-27-90

REVIEWED BY David Hawkins DATE 8-27-90

BEDDING

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 8-25-90

	ACCEPT	REJECT	N.A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 8+50 TO 7+00

5. REMARKS Bedding was placed to the thickness shown on the Contract Drawings and surveyed in-place for verification

INSPECTOR Peter J Cook DATE 8-27-90

REVIEWED BY David Rockwell DATE 8-27-90

RIP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 8-25-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION ENGINEER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 8+50 TO 7+00

5. REMARKS Rip Rap was placed in toe trench close to the correct thickness. Will be brought up to the correct tolerance 8-28-90. Went back over Sta. 12+00 - 8+50 and filled in low spots and brought everything to within the correct tolerances. Started placing Rip Rap at toe of NY Pike in accordance with the Contract Drawings.

INSPECTOR _____ DATE 8-27-90

REVIEWED BY _____ DATE 8-27-90

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 25 AUG 90

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. [illegible]	6:45 / [illegible]	[illegible]	
C-2 L. Dekker	6:45 / 12:08	12:30 / 6:23	
C-3 P. Porter	6:51 / 4:44	4:56	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	7:05 / 10:5	3:00 / 4:10	
C-7 C. Chang	/	/	
C-8 J. App	6:45 / 5:36	/	
C-9 G. Lazusky	6:45 / 5:30	/	
C-10 C. Carrow	6:45 / 5:36	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	6:30 / 5:50	/	
C-14 N. Tracy	6:30 / 5:34	/	
C-15 G. Maichele	6:28 / 1[illegible]:55	[illegible]	
C-16 S. Hunt	6:36 / [illegible]9:55	10:12 10:46	11:31 / 11:55 12:12 /
C-17 P. Smith	6:39 / 5:30	/	
C-18 G. GLESSMAN	2:12 / 4:18	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	7:13 / 7:55	8:11 / 11:19	11:43 / 12:43 1:30
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C SWANN	6:49 / 12:01	1:15 / 2:10	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	8:00 / 1:30	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	6:00 /	/	
S-6	/	/	