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 - Annexation - Vol 3.

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 3 OF 7

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 25 Aug 90

No. Name	TIME IN/OUT	Time In/Out	Time In/Out	Remarks TIME IN/OUT	TIME IN/OUT
A-2					
A-3					
A-4					
A-5					
A-6					
A-7					
A-8					
A-9					
A-10					

A-1
A-2
A-3
A-4
A-5
A-6
A-7
A-8
A-9
A-10

CLARK 7:50 / 7:55 UNGERMAN EXCA-
BROWN 7:50 / 7:55 " "
Sheets 0.1 10:33 / 10:50 fuel delv

PROJECT ENTRY PERMIT

DATE: 8-26 TIME IN: 1:00 TIME OUT: 1:30

NAME: P. Porter

COMPANY: Canonie

BADGE No:

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

PROJECT ENTRY PERMIT

DATE: 8-26-90 TIME IN: 7:30 Am TIME OUT: 1:30 PM
4:50 PM " " 7:45 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: 8-25 TIME IN: TIME OUT: 7:00

NAME: S. Hart

COMPANY: Canonie

BADGE No: C-16

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

PROJECT ENTRY PERMIT

DATE: 8-25 TIME IN: 6:51 pm TIME OUT: 6:50 pm

NAME: Pete Porter

COMPANY: Canonie

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:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: AUG 25, 1990

Work Performed	No. Hours	Misc. Information
TOE STAKING ON WEST BANK	10	2MAN
COMP'S ON VOLUME	10	
	Total	
	10/2MAN	Signatuer of responsible par
	10/1MAN	

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 24, 1990

Arrived at 6:55 a.m.
Plan of Day:

* Decon backhoe and remove from site for repairs. Receive replacement backhoe.
* Continue toe trench.
* Suitable material excavated from toe trench used to cover material disposed of in the CELA.
* Receive rip rap and bedding stone.

Field Observations and Activities:

Contractor spent most of day exchanging backhoes (remove and install counter weight and 5 yard bucket. Decon hoe leaving site) completed about 2:00 p.m.

Surveyors continued to set control stakes for West bank dike.

Received rip rap and bedding stone.

Left site at 5:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 24, 1990

Arrived at 6:45 a.m.
Plan of Day:

* Decon and knock down 235 hoe.
* Off-load and set up new hoe.
* Work on key trench excavation if dry enough.

Trucks with rental hoe arrived at 7:30 a.m. Canonie had'nt cleaned the hoe they had or the 963 they needed to help with the off loading. It was after 9:00 a.m. before this could start and 2:30 p.m. before the hoe was Decon and acceptable to leave.

Dave Dekker called me on the radio and said they had uncovered some tanks at station 4+75 to 5. They were'nt intact and did'nt have anything around them. I went out and inspected them, they were about 20 feet Ø x 5 feet to 6 feet long with no top. There was'nt any odor present and no readings were detected on the HNU. I had them loaded and sent to the CELA.

Cut ramp down the the river at South end of NY Dike, this is how they will place the rip rap that goes along the front of the toe of NY Dike rip rap.

Allan came and told me that there is some erosion along the North end of NY Dike and that the slope is 3H to 1V instead of 2.5H to 1V, we looked at the drawings and it calls for a layer 27 inches thick and 4 feet high at 6 feet wide on 2.5H to 1V. I told Allan to place the new rip rap at 27 inches thick and 4 feet high on the same slope (3H to 1V) as the existing rip rap.

G. Stiles

RECEIVED
AUG 25 1990
EBASCO / ARCO

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

DATE: 8-24-90 DAY: Friday HRS.WRK. 10hrs REPORT NO. 58

WEATHER INFORMATION:

TEMPERATURE: High 89 Low 64 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: High RIVER EL: AM 04.52 PM

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

Weather 8-23-90
High: 73
Low: 60
Precipitation: 0.1"

	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	Site 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	8			
" 12G	8			
(Sheep)Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk			Down	
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 Decontaminate 235 trackhoe, disassemble for shipment and put together arriving 235 trackhoe. Continue with the trench

SAFETY Wear safety goggles when washing/deconing equipment. Need approval from Chavez (construction manager) + Canonie H&S officer.

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) excavated Toe Trench Room Sta 8+50 - Sta 6+50 see inspection reports : Built Ramp down S. end of NY Ave in order to place toe on the NY Ave.

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER Decon 235 Trackhoe and get approval before machine leaves site

AUG 24 19__

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	
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	384	"		
WASTE MATRL.	CY	216	"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL. ~~CY~~		101.18 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	443.08 tons
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			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
CAT - 235C Trackhoe	Yes	YES	
Serial No. 13Z16248			
Hrs. out 01451 9/10			

PAGE ___ OF ___

FIELD ENGINEERING ACTIVITIES: (surveyors)

Cross-sectioning Toe Trench

Office Comps:

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	8+50 - 6+50	A-3	Toe Trench excav.		X	
2	7+00 - 7+40	A-12	Contaminated Material		X	
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:

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR ~~KEY TRENCH~~/
TOE PROTECTION TRENCH

INSPECTION DATE 8-24-90

	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+50 TO 6+50

4. REMARKS At sta 7+40 - sta 7+00, the excavation uncovered drums, tanks, metal and various other debris. That material was hauled and placed in the CELA containment. Remainder of clean soil was placed next to the CELA containment for use as cap material.

INSPECTOR Robert Cook DATE 8-25-90

REVIEWED BY David McCleer " DATE 8-25-90

FORM A-12
SHEET ____ OF ____
INSPECTION DATE 8-24-90

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)	____	____	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)	____	____	X

2. DUST CONTROL

ACTION TAKEN ____

3. CONTAMINATED MATERIAL STORAGE AREA LOCATION (APPROXIMATE)

9 loads - 216 cy hauled to CELA

16 loads - 384 cy hauled to CELA placed next to containment

4. REMARKS - Material placed next to containment on CELA will be used for cap material

- Material hauled to CELA and placed in the containment consisted of rusted out steel drums, cable, rebar, concrete and various other debri not suitable for backfill.

INSPECTOR Robert D Porter DATE 8-24-90

REVIEWED BY David A Dickson DATE 8-25-90

John App
Licensed Surve

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

REQUESTED BY:
• CANONIE ENVIROMENTAL

FOR
• DAILY TIME RECORD

DATE: AUGUST 24, 1990

Work Performed	No. Hours	Misc. Information
Crossection STA.S 9+00 Thru 9+75. TOE STAKING End of work STATION	10	2man Crew
Comp. and plotting Crossections and Volumes	10	1man Crew
	Total 10 3MAN Crew	Signatuer of responsible part Craig R Canan

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod	2	6
"D"	2, 4, 1	14, 40, 2
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0917	4+75-25R	HNu	Real Time	1 ppm
2	0918	4+75-25R	Miniram	RT	0.00 mg/m³
3	0919	4+75-25R	CGI	RT	20.9% O_2, 0% LEL
4	0924	10+75	HNu	RT	1 ppm
5	0925	10+75	Miniram	RT	0.00 mg/m³
6	0926	10+75	CGI	RT	20.8% O_2, 0% LEL
7	1409	7+00	HNu	RT	1 ppm
8	1410	7+00	Miniram	RT	0.00 mg/m³
9	1411	7+00	CGI	RT	20.3% O_2, 0% LEL
10	1600	7+50-10L	HNu	RT	1 ppm

2 Air monitoring data sheet or more readings

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1015	Decon pad	3/Truck, Water truck	D/(Mod)	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: 1 (235c Trackhoe)

Venders Equipment: In: 0 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:

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

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 24 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	6:48 / 12:37	1:11 /	
C-3 P. Porter	6:43 /	/	
C-4 A. Muellerleile	7:20 / 11:21	/	
C-5 C. Ettinger	6:53 / 11:58	12:08 / 5:43	
C-6 F. Gontowski	7:02 / 12:08	12:24 /	
C-7 C. Chang	/	/	
C-8 J. App	6:55 / 5:42	/	
C-9 G. Lazusky	6:55 / 5:42	/	
C-10 C. Carrow	6:55 / 5:42	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	6:46 / 5:35	/	
C-14 N. Tracy	6:50 / 5:38	/	
C-15 G. Maichele	6:25 / 6:06	/	
C-16 S. Hunt	6:27 / 11:59	12:18 / 3:45	4:00/5:59
C-17 P. Smith	6:41 / 5:35	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:43 / 10:48	11:13 / 1:02	1:16 / 3:45 3:52
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swan	6:56 / 11:55	1:01 /	
E-5 C. Bixby	7:50 / 12:08	12:40 / 2:47	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:45 / 1:30	/	
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	~~Bixby~~ /	/	
S-5 A. Fox	2:00 /	/	
S-6 GOWAN	2:38 / 3:50	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 24 August 1990

No./Name	Time In/Out		Time In/Out		Remarks
A-2	8:23/8:33	12:27/12:41	4:36/4:43		
A-3	8:23/8:33	12:35/12:41	4:36/4:45		
A-4	8:36/8:45	12:54/1:00	5:03/5:10		
A-5	8:36/8:45	12:54/1:03	5:41/5:30		
A-6	8:36/8:45	12:54/1:02	5:14/5:30		
A-7	8:38/11:55	12:28/5:37			
A-8	8:24/8:31	10:15/10:20	12:03/12:08	2:19/2:30	
A-9	12:05/12:11	3:52/4:05			
A-10					

A-1	Fred Osmond 61	General Crushed Stone
A-2	Ray Charland 63	
A-3	James Coombs 66	
A-4	Robert Hall	Spin Rite
A-5	Scott Workboys	
A-6	Jim Rafter	
A-7	Tim Vogel	
A-8	Boyd Green	Green's Trucking
A-9	Frank Cleveland	General Crushed Stone
A-10		

Charles Rummel	7:10/10:43	Fayette Trucking
Walt Babbit E-6	9:35/9:50	
Brown Lee	9:40/3:20	Fayette Trucking
Dale Zanders	9:40/10:07	Shorts Oil Co.
UPS	10:23/10:25/4:10/	1piece delivery/PICK-UP
Culligan	11:06/11:15	
Judd Beattie C-18	11:18/12:00	DR. Green Lawn Care
Steve Beattie C-19	11:18/12:00	"
Charlie Baker	1:34/1:49	
FEDERAL EX	2:10/2:13	
GOWAN	2:38/3:50	BEAM CLEANING

STILL PRESENT A 6:30
D. DEKKER/L. DEKKEN/P. PORTER/F. GONTOWSKI/G. STILES/C. SWANN

AM Activities: Decon of Truckhoe at yard for leaving site, Kipp wrap to CELS dumping Stone N of CELA

PM. Activities: Decon of Truckhoe continued, excavation of Toe trench at 8400 → ; 450 material haul to Top of CELA (some in pad some next to pad)

Time: 0916, Temp ≈ 72°F, Cloudy, E wind

Time: 1408, Temp ≈ 78°F, Pt Cloudy, NE wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/24/90-0917	4+75-25R	HNu	PI101	Cal=111 ppm Isobutylene Bg=1ppm	1 ppm	Real Time
8/24/90-0918	4+75-25R	Miniram	PDM-3	Z bag for zeroing	0.00 mg/m³	R.T.
8/24/90-0919	4+25-25R	CGI	261	15% O₂, 50% LEL	20.9% O₂, 0% LEL	RT
8/24/90-0924	10+75	HNu	PI101	Same	1 ppm	RT
8/24/90-0925	10+75	Miniram	PDM-3	Same	0.00 mg/m³	RT
8/24/90-0926	10+75	CGI	261	Same	20.8% O₂, 0% LEL	R.T.
8/24/90-1409	7+00	HNu	PI101	Same	1 ppm	RT
8/24/90-1410	7+00	Miniram	PDM-3	Same	0.00 mg/m³	RT
8/24/90-1411	7+00	CGI	261	Same	20.3% O₂, 0% LEL	RT
8/24/90-1600	7+50-10L	HNu	PI101	Same	1 ppm	R.T.
8/24/90-1601	7+50-10L	Miniram	PDM-3	Same	0.00 mg/m³	RT
8/24/90-1602	7+50-10L	CGI	261	Same	20.4% O₂, 0% LEL	RT

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-24-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

HNu, CGI, Miniram readings all at background/normal levels during excavation of TOE trench from 8+00 → 6+50

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111ppm Isobutylene

CGI = 15% O_2, 50% LEL

Miniram = 0.00 mg/m3

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-24-90

Work Areas Checked: Wash Trailer/Decon Pad area

Employees Present in Work Areas: Scott Hunt, Phil Smith, Grant Mackelic, Norm Tracy, Gail Reid, Pete Porter, Dave DeKker

Equipment Being Utilized: Trackhoe, water truck (Hertz), D6 Dozer, loader

PPE Being Utilized: level D, level D modified

Accidents/Breeches of Procedures: None

PROJECT ENTRY PERMIT

DATE: 8/24/90 TIME IN: _____ TIME OUT: 7 PM

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: 8-24-90 TIME IN: _____ TIME OUT: 6:40 pm

NAME: LaVonne Dekker

COMPANY: Conam

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 8-24-90 TIME IN: _____ TIME OUT: 6:40

NAME: Dave Dekker

COMPANY: Conam

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 8-24-90 TIME IN: 6:43 am TIME OUT: 6:45 am

NAME: Pete P.

COMPANY: Canon

BADGE No: C-3

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

PROJECT ENTRY PERMIT

DATE: 8-24-90 TIME IN: 6:35 AM TIME OUT: 7:20pm

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 23, 1990

Arrived at 6:35 a.m.
Plan of Day:

* Excavate toe trench.
* Place bedding material and geotextiles.
* Place rip rap.

* Note - it has been raining off and on all night and is raining now. I told Dave Dekker that I did'nt want any backfill work going on as long as the ground is this wet.

Weekly progress meeting - see meeting minutes.

Dave Dekker came in and wanted approval to have Charly Baker construct a haul road from Walter Babbitts barn down to the river, for hauling rip rap, bedding, clay and fill material. Charly and Walter had agreed to this. I told Dave Dekker that I would'nt recommend he do that until we knew more about the fix for the East dike.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 23, 1990

Arrived at 6:45 a.m.
Plan of Day:

* Continue toe trench.
* Receive rip rap and bedding sotne.
* No compacted fill due to wet conditions.
* Complete control survey staking of toe trench station 9 to station 1+50.

Field Observations and Activities:

Backhoe working toe trench between stations 10+50 and 8+00.

Closely inspected for oil in trench section 9+00 to 9+50 where trench bottom is below groundwater level, none was observed. Photos were taken.

Surveyors working toe trench control staking north of station 8+00.

Backhoe has been having mechanical problems. Contractor plans to decon same, remove counterweight and return to owner for repairs. Replacement due in first thing tomorrow.

Wet conditions continued with light intermittent rains. All fill work down. Contractor did remove wet materials (rain related) from dike foundation. EBASCO informed him that removal was no pay item, since it was performed for his convenience. Some loads of same were hauled yesterday.

Left site at 6:00 p.m.

G. Stiles

RECEIVED
AUG 25 1990
EBASCO / ARCO

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

DATE: 8-23-90 DAY: Thursday HRS.WRK. 10 hrs REPORT NO. 57

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. 0-5 Dir. SE

PRECIPITATION: ____ HUMIDITY: High RIVER EL: AM 04.42 PM 04.48

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. 2
USCOE/EPA	/	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	8			
" 12G	8			
(Sheep) Compactor		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk			Down	
Hertz Wtr. Trk	8			
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / steam Gang		Stand-by		
½ ton pick up	10			
Mechanic Truck & Tools	11			

1/19

MEETINGS:

PLAN OF DAY Continue Working on Toe Trench placing Geotextile, bedding & Rip Rap. Start Cleaning up mud and haul to limits of CELA Compound to used for a clean cap.

SAFETY Watch footing on slopes of the trench

SCHEDULED Weekly meeting (Minutes of meeting to be submitted in 3 days)

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 600 (Construct W. Bank Toe Trench)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER Start hauling Clean material to CELA in order to place a clean cap over the Contaminated material

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	2250
EXCAVATION			BEDDING MATRL	CY	37.2
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	312.53
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	967.64
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)

Baseline Control Staking

Toe Staking

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	10+00 - 8+50	A-6	Geotextile		X	
2	10+00 - 8+50	A-7	Bedding		X	
3	10+75 - 9+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

TECHNICAL CONCERNS/PROBLEMS: None

8-23-90

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	5,2	50,6
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1253	9+00	HN_v	Real Time	1 ppm
2	1254	9+00	Miniram	RT	0.00 mg/m³
3	1255	9+00	CGI	RT	21% O_2, 0% LEL
4	1431	8+85	HN_v	RT	1 ppm
5	1432	8+85	Miniram	RT	0.00 mg/m³
6	1433	8+85	CGI	RT	21.1% O_2, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0955	N of CELA	5/Truck, 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	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 to report

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 8-24-90

Non-Use or Mis-Use of PPE On 8/21/90 Mr. Smith and Mr. Reid were wearing only cotton gloves and/or no gloves while working in the contaminated storage pad on top of the CELA. Mr. Styles and Mr. Swan were wearing baseball style hats rather than hardhats as level requires on the work site. Mr Styles entered a trench without the proper PPE in place.

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations on 8/21/90 Mr. Reid did not use the portable chemical restrooms provided on site - the ground was used.

Job-Related Illness or Injuries

None

Weather Data Rain Monday - Friday
Temps 50 - 70°F
winds - light & varying

Air Monitoring Summary

level C — HNu levels reached 5 ppm above background while working/dozing in the contaminated storage pad on top of the CELA. Lower levels (0-3 ppm above bg.) were found while backfilling Key trench the same day (8-21-90).

level C — Backfilling the Key trench at 4+75 - 5+75 on (8-20-90) showed HNu levels from 0-20 ppm above bg. (5 ppm for a 15 min. ave.

- CGI, minimum levels were at background/normal throughout the week

7/19

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: 8-23-90 | HOURS ON SITE: 10 hr.

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)
placed Geotextile Sta 10+00 - Sta 8+50
placed bedding Sta 10+00 - Sta 9+50
placed Rip Rap Sta 10+75 - Sta 9+00

- Placement of all materials was in accordance with the Contract Specifications and the Contract Drawings.

Other: 2 loads clean fill went to CELA for the clean cap material

(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

8/14

FORM A-6
SHEET 1 OF 3
INSPECTION DATE 8-27-90

GEOTEXTILE

	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 10+00 TO 8+50

5. REMARKS Geotextile was installed according to the Contract Specs (2' overlap) and was tied into the Rip Rap according to the Contract Drawings.

INSPECTOR [signature] DATE 8-24-90

REVIEWED BY [signature] DATE 8-24-90

9/19

FORM A-7
SHEET 2 OF 3
INSPECTION DATE 8-23-90

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 10+00 TO 9+50

5. REMARKS Bedding material was placed according to the Contract Drawings (4") and was verified by the Surveyors before Rip Rap placement

INSPECTOR _____ DATE 8-24-90

REVIEWED BY _____ DATE 8-24-90

20/19

FORM A-8
SHEET 3 OF 3
INSPECTION DATE 8-23-90

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 10+75 TO 9+00

5. REMARKS In-Place Rip Rap appears to be within the +3,-0 inches, but will be checked by the Surveyors to verify.
Low spots will be filled in at Sta 11+00

INSPECTOR Pat J. Gott DATE 8-24-90

REVIEWED BY David Dekker DATE 8-24-90

11/14

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-23-90

Equipment: HNu, Miniram, CGI

Real-Time Air Monitoring Results and Work Area

Rain limited air monitoring to early-mid PM hours today - No readings above background/normal found on the HNu, CGI, or Miniram.

Personnel Sampling

None

Name	Date	IWA

Calibration Method for Equipment

HNu - 111ppm Isobutylene

CGI - 15% O_2, 50% LEL

Miniram - Z bag for Zeroing

12/

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-23-90

Work Areas Checked: N of CELA

Employees Present in Work Areas: Kurt Ettinger, Gail Reid, Grant Mitchell, Scott Hunt, Phil Smith, Norm Tracy, Dave Dekker, George Lawsky, Craig Carrow, Jon App

Equipment Being Utilized: Trackhoe, loader, D6 dozer, Roller

PPE Being Utilized: level D - hard hat, steel toe boots

Accidents/Breeches of Procedures:

None

13/19

AM: Rain, Activities: Rip wrap placement at 10+00 area, also filter fabric & stone toe Trench

PM Activities: Rain stopped ≈ 1245 – Rip wrap, filter fabric, stone – all in toe trench - from 9+00 → 10+00 area

Time: 0945, Temp ≈ 65°F, Rain, E wind

Time: 1250, Temp ≈ 72°F, Cloudy, E wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
3/23/90-1253	9+00	HNu	PI101	Cal=111 ppm Isobutylene BG=1 ppm & 5 c.y for zeroing	1 ppm	Real Time
3/23/90-1254	9+00	Miniram	PDM-3		0.00 mg/m³	R.T.
3/23/90-1255	9+10	CGI	261	15% O_2, 50% LEL	21% O_2, 0% LEL	RT
3/23/90-1431	8+85	HNu	PI101	Same	1 ppm	RT
3/23/90-1432	8+85	Miniram	PDM-3	Same	0.00 mg/m³	RT
3/23/90-1433	8+85	CGI	261	Same	21.1% O_2, 0% LEL	R.T.

3/27/91

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 23 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:47 / 12:07	1:00 / 6:42	
C-2 L. Dekker	6:47 / 12:07	1:00 / 6:42	
C-3 P. Porter	6:54 / 10:56	11:56 / 12:20	1:01 / 2:45 2:59 /
C-4 A. Muellerleile	7:01 / 9:01	9:38 / 12:20	1:01 /
C-5 C. Ettinger	7:01 / 11:51	12:17 / 5:30	
C-6 F. Gontowski	6:51 / 12:03	1:27 / 1:55	4:09 /
C-7 C. Chang	/	/	
C-8 J. App	6:53 / 6:11	/	
C-9 G. Lazusky	6:53 / 6:11	/	
C-10 C. Carrow	6:55 / 11:56	12:01 / 6:11	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	6:35 / 5:35	/	
C-14 N. Tracy	6:50 / 5:35	/	
C-15 G. Maichele	6:25 / 6:05	/	
C-16 S. Hunt	6:27 / 11:56	12:09 / 2:35	3:03 / 6:02
C-17 P. Smith	6:40 / 5:35	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:39 / 12:34	12:49 /	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swann	6:52 / 11:08	11:42 / 12:45	1:33 / 6:18
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:16 / 11:50	12:06 / 1:31	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	10:39 / 10:47	2:30 / 3:49	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:40	3:40 / 6:40	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 23 August 1990

No./Name		Time In/Out	Time In/Out		Remarks
C-18	Tim Vogel	7:10/8:01			
C-19	Manley Clark	7:10/11:56	12:17/3:35		
A-1	8:20/8:32	12:14/12:39	4:17/4:30		
A-2	8:37/8:54	1:20/1:31	6:04/6:15		
A-3	8:38/8:54	1:20/1:31	6:04/6:15		
A-4	8:42/9:02	1:21/1:35	5:38/5:51		
A-5	8:43/9:02	1:21/1:35	5:30/5:51		
A-6	8:43/9:04	1:21/1:35	5:30/5:51		
A-7	8:47/9:06	12:57/1:07	4:37/4:46		
A-8					
A-9					
A-10					

Kris Carlin	8:31/9:11		Shorts Oil Co
UPS	10:30/10:33	3:35/3:40	3 piece delivery
FED EXPRESS	2:50/2:57		

JOE KAIPINSKI - KEN	2:00/4:00	C-E 5
CHARLIE BAKER	3:20/4:14	

D. ~~Dekker~~
L. Dekker
R. Porter
A. Muellerkile
F. Gontowski
G. Stiles
} Still working

A-1	Frank Charland	(64)	General Crushed Stone
A-2	Ray Charland	(63)	
A-3	James Coombs	(66)	
A-4	Robert Hall		
A-5	Scott Workboys		
A-6	Jim Rafter		
A-7	Fred Osmond	(61)	
A-8			
A-9			
A-10			

16/19

PROJECT ENTRY PERMIT

DATE: 8-23-90 TIME IN: 6:54 TIME OUT: 19:40

NAME: R. Porter

COMPANY: Canonie

BADGE No: C-3

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

PROJECT ENTRY PERMIT

DATE: 8/23/90 TIME IN: 6:50 AM TIME OUT: 19:30

NAME: FRANK CONTOVESKI

COMPANY: CANONIE

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 8-23-90 TIME IN: _____ TIME OUT: 19:15

NAME: A. Mueller-Leiske

COMPANY: Canonie

BADGE No: C-4

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

17/19

PROJECT ENTRY PERMIT

DATE: 8-23-90 TIME IN: 6:35 AM TIME OUT: 7:35 PM

NAME: Gary L Stiles

COMPANY: EBASCO

BADGE No: E-1

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

18/1

John App
Licensed Surve

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

REQUESTED BY:

- CANONIE ENVIROMENTAL

FOR

- DAILY TIME RECORD

DATE: August 23, 1990

Work Performed	No. Hours	Misc. Information
Baseline control staking and Toe staking	10 1/2	3 man Crew
	Total	
	10 1/2	
	3 man Crew	
	1 man straight time	

Signatuer of responsible par

Craig R Canaw

9/19

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 22, 1990

Arrived at 6:50 a.m.
Plan of Day:

* Install 27" ø culvert.
* Place rip rap.
* Continue toe trench.
* Continue backfill at key trench.

Dave asked about placing the rip rap blanket along the bottom of the NY dike rip rap. I told him that he would have to excavate the base to good footing and remove any brush or debri that may be there.

Jim Drumm Albany NY NYDEC Hazardouse Waste Remediation division visited the site today.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 22, 1990

Arrived at 6:40 a.m.
Plan of Day:

* Continue toe trench excavation and installation of filter fabric, bedding stone and rip rap.
* Complete overexcavation of contaminated refuse in the dike foundation.
* Backfill key trench with compacted fill.
* Clay fill down because of wet conditions.

Field Observations and Activities:

Excavated toe trench station 9+00 to station 11+00. Dryer material from above the water table was hauled to key trench, spread in nomial one foot lifts and compacted with four passes with the vibratory smooth drum roller. Last lift placed during moderate rainfall which saturated the fill in several areas. Discussed with D. Dekker who suspended further placements.

Fine graded toe trench, installed filter fabric and bedding stone between stations 10+00 and 11+00.

Discussed test results (clay conpaction) with Canonie QC/QA. All results exceed the required 95% of standard proctor. However at least two results plotted to right of zero air voids curve which is not possible. Requested Canonie to have Woodward Clyde check their previous specific gravity result on which the zero air voids curve is based. Also approved one of shelby tube sampling method in lieu of sand cone to obtain field density.

Left site at 6:00 p.m.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

AUG 23 1990

EBASCO / ARCO

DATE: 8-22-90 DAY: Wednesday HRS.WRK. 10½ REPORT NO. 56

WEATHER INFORMATION:

TEMPERATURE: High 70 Low 61 WIND: Mph. 5-10 Dir. Varying

PRECIPITATION: .24" HUMIDITY: High RIVER EL: AM 4.36 PM

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

	P.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.	Two Surveyors
"		SUPV. 1	EMPS. 1
USCOE/EPA		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	8			
" 12G		Stand-by		
(Sheep)Compactor		Stand-by		
(Smooth) "	10			
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 Continue Excavating Toe Trench and W. Bank key trench. Place more Cont. fill & bedding. Con't placing Rip Rap

SAFETY CELA is exclusion zone. Must wear PPE in exclusion Zone.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Act ID# 602 (Construct W. Bank key trench)
Act. ID# 608 (Construct W. Bank Toe Trench)
ID# 605 (Place W. Bank Rip Rap Protection)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER Arrival: 52' of 27" CMP

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	
EXCAVATION			BEDDING MATRL	CY	18.6
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	48.84
OIL STAIND	CY	48	ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	466.7	"		
WASTE MATRL.	CY	48	"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~	103.53 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	471.5
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 Sta 10+00 - Sta 8+00
- Cross-section excavation & in place bedding
- Office Comps

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	10+75 - 8+25	A-3	Toe Trench	Excavation	X	
2	10+75 - 10+00	A-6	Geotextile		X	
3	10+75 - 10+00	A-7	Bedding		X	
4	11+50 - 10+75	A-8	Rip Rap		X	
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Analysis of results obtained from Sand Cone, Speedy Moisture and Nuclear Density meter. Analysis has been ongoing from 8-13 to present. Frank Gontowski (consultant) has been working on this with recommendations from Carl Swan (Ebasco).

Technical Concerns / Problems:

PAGE: ____ OF ____

8-22-90

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	5,2,2,1	50,6,4,1
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1029	9+00-15R	HNu	Real Time	1 ppm
2	1031	9+00-15R	Miniram	RT	0.00 mg/m³
3	1032	9+00-15R	CGI	RT	21.1% O₂, 0% LEL
4	1037	9+50-5R	HNu	RT	1 ppm
5	1038	9+50-5R	Miniram	RT	0.00 mg/m³
6	1039	9+50-5R	CGI	RT	21.1% O₂, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1015	N of CELA	5/Rollr, loader, Tractor, dozer	D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 0 Emps. Out: 0

Equipment: In: 0 Out: 0

Venders Equipment: In: 2 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 22 August 1990

Daily Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-3551

Sheet 2

BY: Pete Porter | CONTRACTORS SUPERVISOR: | DATE 8-22-90 | 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 # 602 (Construct W. Bank key trench)
- Backfill key trench from Sta 7+00 - Sta 9+00 along with over excavations at Sta 7+00 - 7+50 and Sta 8+25 to Sta 8+75 with material excavated from toe trench. Backfill with one foot max. loose lifts and then four passes with the smooth drum compactor.

Act ID # 608 (Construct W. Bank toe trench)
- Completed toe trench excavation from Sta 10+75 to sta 8+25.
- Toe trench excavation rose mostly out of the water at sta 10+75. Only the bottom 1.0' - 1.5' was in the water
- At sta 9+00, a rusted out car was found along with some chunks of concrete. Debris was hauled to the CELA (one load)
- At sta 8+25, we started finding drums and tar. Material was hauled to CELA. (one load)
- Excavation was then stopped and then moved back to placing geotextile, bedding & Rip Rap.

Note: Material hauled to CELA was left to the discretion of Dave Dahler (Canonie) by Guy Stiles (Ebasco) Total of 2 loads hauled to CELA

Act. ID # 605 (Place W. Bank Rip Rap Protection)
Rip Rap placed from Sta 11+50 - 10+75 in accordance with the Contract Drawings.

(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 8-22-90

	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+75 TO 8+25

4. REMARKS Excavation of toe trench from Sta 10+75 to Sta 9+00 contained between 1.0' - 1.5' of water From Sta 9+00 - 8+25, toe trench contained no water. At Sta 9:00 we started to discover Scrap metal & concrete. At Sta 8+25 we started to encounter Waste material : drums & tar. All material went to the CELA (2-loads)

INSPECTOR Robert Parker DATE 8-23-90

REVIEWED BY A. Mueller DATE 8-23-90

GEOTEXTILE

FORM A-6
SHEET 2 OF 4
INSPECTION DATE 8-22-90

	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 10+75 TO 10+00

5. REMARKS

INSPECTOR [signature] DATE 8-22-90

REVIEWED BY [signature] DATE 8-23-90

FORM A-
SHEET 2 OF 4
INSPECTION DATE 8-22-90

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 10+75 TO 10+00

5. REMARKS _____

INSPECTOR _____ DATE 8-23-90

REVIEWED BY _____ DATE 8-23-90

FORM A-8
SHEET 4 OF 4
INSPECTION DATE 9-22-90

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 11+50 TO 10+75

5. REMARKS _____

INSPECTOR _____ DATE 8-23-90

REVIEWED BY _____ DATE 8-23-90

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-22-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

Rain limited monitoring today TO 10:00 → 12:00. No readings above background were found.

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: 8-22-90

Work Areas Checked: N of CELA
N.E of CELA

Employees Present in Work Areas: Gail Reid, Norm Tracy, Scott Hunt, Phil Smith, Grant Mitchell, Frank Gontowski, Alan Mullerlile, Kurt Ettinger, Dave Dekker, Pete Porter

Equipment Being Utilized: Truckhoe, dozer(D-6), loader, Roller

PPE Being Utilized: level D- hard hat, steel toe boots (safety glasses and ear plugs where needed)

Accidents/Breeches of Procedures: None

AM Activities. Backfilling/Rolling Key Trench area 9+00, Digging Toe Trench at ≥10+00

Rain until ≥ 10:00 AM

Time: 1029, Temp ≥ 70°F, Cloudy, Slight NE wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/22/90-1029	9+00 -15 R	HNu	PI101	Cal = 111 ppm Isobutylene	1 ppm	Req'l Time
8/22/90 -1031	9+00-15R	Miniram	PDM-3	By = 1 ppm	0.00 mg/m³	R.T.
8/22/90-1032	9+00-15R	CGI	261	Z-bag for zeroing	21.1% O_2, 0% LEL	R.T.
8/22/90-1037	9+50-5R	HNu	PI101	15% O_2, 50% LEL	1 ppm	R.T.
8/22/90-1038	9+50-5R	Miniram	PDM-3	Same	0.00 mg/m³	R.T.
8/22/90-1039	9+50-5R	CGI	261	Same	21.1% O_2, 0% LEL	R.T.

8/22/90 1200 Rain

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 22 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:42 / 12:29	1:15 / 6:22	
C-2 L. Dekker	6:42 / 12:29	1:15 / 6:22	
C-3 P. Porter	6:51 / 12:42	1:47 / 6:12	
C-4 A. Muellerleile	7:05 /	/	
C-5 C. Ettinger	6:50 / 11:54	12:30 / 3:38	
C-6 F. Gontowski	7:00 / 10:35	11:05 / 12:38	12:55 /
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:45 / 5:32	/	
C-10 C. Carrow	6:45 / 5:32	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	6:33 / 5:36	/	
C-14 N. Tracy	6:45 / 5:30	/	
C-15 G. Maichele	6:25 / 5:59	/	
C-16 S. Hunt	6:32 / 11:55	12:08 / 6:03	
C-17 P. Smith	6:39 / 5:30	/	
C-18 G. Cressman	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:42 / 10:48	10:49 / 12:04	12:58 /
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swann	6:50 / 10:10	11:03 / 12:04	12:58 / 6:07
E-5 C. Bixby	7:52 / 2:53	/	
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	6:00 / 2:00	/	
S-4 T. Cobb	1:58 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 22 August 1990

No.	Name	Time In/Out		Time In/Out		Remarks
A-1	7:02/12:00	12:15 / 3:10				
A-2	7:02/12:00	12:15/ 3:10				
A-3	8:00/8:05	9:50/9:58	11:01/11:07	12:44/12:50		
A-4	8:23/8:30	12:43/12:49	4:53/ 5:02			
A-5	8:23/8:30	12:43/12:49	4:53/ 5:02			
A-6	8:30/8:37	12:18/12:25	4:11/4:20			
A-7	8:35/8:43	1:02/1:07	5:00/5:09			
A-8	8:35/8:43	12:57/1:02	5:00/ 5:05			
A-9	8:54/9:00	12:43/12:49	4:15/4:20			
A-10	9:08/9:11	12:40/12:45	4:53 5:02			

Jerry Champlain	7:27/7:45	Lane Metal Prod.
Rick Scutt	9:01/9:46	Shorts Oil Co.
Chris Travis	9:05/9:13	Portville Truck
Mike Bird C-18	9:28/10:14	Southern Tier Landscaping
Ted Ciezak C-19	9:28/10:14	
UPS	10:25/10:28	3 piece delivery
Jim Drum C-20	10:35/~~11:49~~ 12:04	DEC
Frank Carter	11:45/11:50	to see C. Ettinger
Beam Clean	2:24/3:52	
Fed Express	2:50/2:50	
UPS	4:10/4:14	3pc pickup

A-Muellerleile
F. Bentowski
G. Stiles
} Still working

A-1	Manley Clark	Ungerman
A-2	Tim Vogel	Ungerman
A-3	Boyd Green	Green's Trucking
A-4	Scott Workboys	
A-5	Jim Rafter	
A-6	Frank Charland (64)	
A-7	Ray Charland (63)	General Crushed Stone
A-8	James Coombs (66)	
A-9	Fred Osmond (61)	
A-10	Robert Hall	

PROJECT ENTRY PERMIT

DATE: 8-22-90 TIME IN: 7:00 Am TIME OUT: 7:40 Pm

NAME: A. Richardson

COMPANY: Canonie

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 8/22/90 TIME IN: 6:50 TIME OUT: 19:10

NAME: FRANK GONTOWSKI

COMPANY: CANONIE

BADGE No: C-10

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

PROJECT ENTRY PERMIT

DATE: 8-22-90 TIME IN: 6:50 pm TIME OUT: 8:20 pm

NAME: Gary L Stiles

COMPANY: EBASCO

BADGE No: E-1

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: August 22, 1990

Work Performed	No. Hours	Misc. Information
Toe staking and Grade shots on toe Trench	7	2 man Crew
Pay Item Volume Comps	3	1 man Crew
Grade shots on toe trench	3	1 man Crew
	Total 10 2 man Crew	Signatuer of responsible part Craig R Canaut

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 21, 1990

Arrived at 6:35 a.m.
Plan of Day:

* Place geotextile fabric at toe trench.
* Place bedding material in toe trench.
* Place rip rap in toe trench.
* Continue excavation of trash from key trench area.
* Fill drums with used PPE.

* Note- Dave Dekker not in this morning, neither is Chie

Gave Stubby the proposed East dike changes. It is very wet from rains of the last 2 days, excavation at toe trench is not making much progress as the material will not pile and is running back in trench - unable to get trucks to backhoe to load and haul.

Cal and Allan M. went to the Quarrey.

Moved off toe trench work around 11:00 a.m. - need to get material dry.

Dave Dekker came in at 12:00 p.m.

Enlarged CELA impoundment about 60 feet to the South.

Continued excavating trash and waste from area along key trench. The width and depth of waste is getting smaller the further back from dike as we go.

Had Pete Porter and surveyors layout dike toe line on inside of dike. The waste has been removed to about 3 feet outside of this line. I gave the approval to backfill with clean material due to the over excavation required to remove the waste. We will not have enough clean material from key and toe exavations so will probably need some imported material.

Only had rip rap and bedding stone deliveries today,

Had rain and light shower off and on today.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 21, 1990

Arrived at 6:40 a.m.
Plan of Day:

- °Continue toe trench work.
- °Overexcavate contaminated soil and refuse from dike footprint and backfill with suitable material.
- °Clay down because of wet conditions.

Field Observations and Activities:

Work continued on the toe trench between stations 12+50 and 10+00. All work completed in ±3 feet of water.

Contractor overexcavated unsuitable contaminated material beneath dike footprint vicinity stations 7+25 and 8+25, where key trench encountered old fill areas. EBASCO requested an additional 10 feet of overexcavation to assure all unsuitable removed within limits of dike.

Contractor began key trench backfill in one foot lifts with four coverages of the vibratory smooth drum roller on each lift.

Made trip to general crushed stone quarry (where rip rap is being processed) to view stockpiles and processing procedures. Viewed a recent shot where stemming was provided to provide blockier particals than normal. The larger particals are then selectively excavated with a front end loader and hauled to an area where size reduction of the larger (+400lbs.) particals is a accomplished with a pavement breaker mounted on a backhoe. The material is then fed over a portable screen to remove fines. The resulting material is then moved to stockpiles to await loading and delivery to the site. Based on visual inspection of material in stockpile, additional adjustments are made with the front end loader between loadings. A Canonie inspector is in residence at the quarry to assure compliance. The stockpiled rock appeared to meet the required gradation and was representative of samples submitted for testing.

Left site at 7:05 p.m.

RECEIVED
AUG 23 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 8-21-90 DAY: Tuesday HRS.WRK. 11.5 hrs REPORT NO. 55

WEATHER INFORMATION:

TEMPERATURE: High 65 Low 57 WIND: Mph. - Dir. -

PRECIPITATION: T HUMIDITY: High 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	/	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	11.5			
" 963	11.5			
" D-6	10			
" D-5	10			
" 12G	8			
(Sheep)Compactor		Stand by		
(Smooth) "	8			
Canonie Wtr. Trk			Down	
Hertz Wtr.Trk		Stand-by		
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
½ ton pick up	11.5			
Mechanic Truck & Tools	11.5			

MEETINGS:

PLAN OF DAY Complete excavation of waste materials between Sta 7+00 - Sta 7+50 and Sta 8+25 - Sta 8+75 Continue back filling key trench Continue work on Toe Trench

SAFETY Excavation in key trench will be monitored and the appropriate level of protection will be determined from the readings. Level C will be used in the CELA compound when moving the contaminated soil.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK EP # 602 (Construct W. Bank Key Trench)
602 (Construct W. Bank Toe trench)
605 (Place W. Bank Rip Rap Protection)

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	
CONTNTD	CY		GEOTEXTILE FAB	SY	1800
EXCAVATION			BEDDING MATRL	CY	37.2
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	392.28
OIL STAIND	CY	696	ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC. Sand		6.48 tons
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	67	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL. ~~CY~~		100.17 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	456.56
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	1000		
SANITARY WSTE.	GALS	1200		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Cross-sections excavated key trench & placement of bedding
- Surveyed over excavations Sta 7+00 ; Sta 7+50 & Sta 8+25 - Sta 8+75
- Office Comps

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	12+00 - 10+25	A-3	Toe Trench	Excavation	X	
2	12+25 - 10+25	A-6	Geotextile		X	
3	12+25 - 10+25	A-7	Bedding		X	
4	13+30 - 11+50	A-8	Rip Rap		X	
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	3, 2, 1, 1	36, 6, 11, 9
"D"		
"C"	1, 3	3, 3
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0830	6+00	HNu	Real Time	1 ppm
2	0831	6+00	Miniram	Real Time	0.00 mg/m³
3	0832	6+00	CGI	RT	20.9% O_2, 0% LEL
4	0836	9+00	HNu	RT	1 ppm
5	0837	9+00	Miniram	RT	0.00 mg/m³
6	0838	9+00	CGI	RT	20.9% O_2, 0% LEL
7	0845	10+80-25L	HNu	RT	1 ppm
8	0846	10+80-25L	Miniram	RT	0.00 mg/m³
9	0847	10+80-25L	CGI	RT	20.8% O_2, 0% LEL
10	0851	Top of CELA	HNu	RT	1 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0900	Top of CELA	2/loader, dozer	D modified →	lack of glo...
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 2 Emps. Out: 2

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	1600	Top of CELA		none	
2					

Accident/Breeches Report: Mr. Reid using ground rather than portable chemical restroom

PAGE: 5 OF ____

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:

N/a Accidents or Incidents to report 22 August 1990

Daily Report

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

Sheet 2

BY: Pete Procter | CONTRACTORS SUPERVISOR: | DATE: 8-21-90 | HOURS ON SITE: 11.5 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 # 602 (Construct W. Bank Key Trench)
- Completed over excavation of contaminated ~~waste~~ waste soil at sta 8+25 - 8+75
- From Sta 7+00 - Sta 7+50, took excavation of ~~waste~~ contaminated waste material as far as possible without taking out Haul Road. Will backfill key trench with one foot max. loose lifts and then excavate remainder of contaminated material under the Haul Road.
29 loads to CEHA - 696 cy

Act. ID # 608 (Construct W. Bank Toe Trench)
- cleaned out settled silt and cobble stone from sta 12+00 to Sta 11+00
- excavated ~~key~~ toe trench Sta 11+00 - Sta 10+75
- Placed Geotextile & Bedding from Sta 12+25 - Sta 10+75

Act ID # 605 (Place W Bank Rip Rap Protection)
Placed rip rap in toe trench up to within 3" to crown of height shown on Contract Drawings from Sta. 13+30 to Sta 11+50

Note: Gary Stiles ~~was contacted~~ inspected and observed the operation of removal of ~~waste~~ contaminated waste materials in the key trench and approved all material being hauled to CEHA. In addition, he also ~~was contacted~~ inspected the start of backfilling the key trench with one foot max loose lifts and approved the operation.

(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 8-21-90

	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 12+00 TO 10+25

4. REMARKS Clean out settled silt and formed the trench according to the Contract drawings.

INSPECTOR _____ DATE 8-21-90

REVIEWED BY _____ DATE 8-22-90

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 8-21-90

	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 12+25 TO 10+75

5. REMARKS _____

INSPECTOR [signature] DATE 8-21-90

REVIEWED BY [signature] DATE 8-22-90

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 8-21-90

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 12+25 TO 10+75

5. REMARKS _____

INSPECTOR Pete Ford DATE 8-22-90

REVIEWED BY A. Mueller DATE 8-22-90

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 8-21-90

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 13+30 TO 11+50

5. REMARKS Rip Rap placed according to the Contract Drawings

INSPECTOR [signature] DATE 8-22-90

REVIEWED BY [signature] DATE 8-22-90

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-21-90

Equipment: HNU, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

HNu levels during excavation at CP50 Key trench area were 0-3ppm above background in the B.Z. HNU levels at the contaminated storage pad were at 5ppm in the B.Z. - level C utilized. CGE & Miniram readings were normal/background

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% O_2, 50% LEL

Miniram = Zero-bag for zeroing

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-21-90

Work Areas Checked: Top of CELA (contaminated storage Pad)
Not CELA

Employees Present in Work Areas: Phil Smith, Carl Reid, Scott Hunt, Pete Porter, Norm Tracy, Grant Machelik, Dave Dekker, Frank Gontowski, Craig Carson, George Lazusky, Kurt Ettinger, Allen Mullerlile

Equipment Being Utilized: Trackhoe, loader, 2 dozers, Roller, Grater

PPE Being Utilized: level D, level D (modified), level C

Accidents/Breeches of Procedures: ① Mr. Smith was wearing only cotton gloves and/or no gloves while working in the contaminated storage pad on top of the CELA. ② Mr. Reid was wearing no gloves while working in the contaminated storage pad on top of the CELA. ③ Mr Reid "did not" use the portable chemical restrooms provided for personnel working on site - the ground was used. ④ Mr Stiles and Mr. Swan were wearing baseball style hats rather than hardhats as level D requires on the work site. ⑤ Mr Stiles entered ~~the~~ a trench without proper PPE in place.

AM Activities: Rip Wrap placement in Toe Trench -11+00 → 12+00, Berming contaminated storage pad on top of CELA.

PM Activities: Co-contaminated soil from 6+50 area to top of CELA, Rip wrap placement from 10+00 → 11+00

Time: 0827, Temp ≈ 63°F, cloudy, Fog, slight SE wind
Time: 1310, Temp ≈ 63°F, cloudy, E wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
3/21/90 -0830	6+00	HNu	PI101	Cal = 11ppm Isobutylene	1ppm	Real Time
1/21/90 -0831	6+00	Miniram	PDM-3	bg = 1 ppm		
				2 bag for zeroing		
1/21/90 -0832	6+00	CGI	261	15% O_2, 50% LEL	0.00mg/m³	RT
3/21/90 -0836	9+00	HNu	PI101	Same	20.9% O_2, 0% LEL	RT
1/21/90 -0837	9+00	Miniram	PDM-3	Same	1 ppm	RT
1/21/90 -0838	9+00	CGI	261	Same	0.00mg/m³	RT
1/21/90 -0845	10+80 -25L	HNu	PI101	Same	20.9% O_2, 0% LEL	RT
3/21/90 -0846	10+80 -25L	Miniram	PDM-3	Same	1 ppm	RT
1/21/90 -0847	10+80 -25C	CGI	261	Same	0.00mg/m³	RT
3/21/90 -0851	Top of CELA	HNu	PI101	Same	20.8% O_2, 0% LEL	RT
1/21/90 -0852	Top of CELA	Miniram	PDM-3	Same	1	RT
1/21/90 -0853	Top of CELA	CGI	261	Same	0.00mg/m³	RT
3/21/90 -1311	6+50 -30R	HNu	PI101	same	20.6% O_2, 0% LEL	RT
1/21/90 -1312	6+50 -30R	CGI	261	Same	1 ppm	RT
1/21/90 -1313	6+50 -30R	Miniram	PDM-3	Same	20.6% O_2, 0% LEL	RT
1/21/90 -1402	Top of CELA	HNu	PI101	Same	0.00mg/m³	RT
1/21/90 -1403	Top of CELA	Miniram	PDM-3	Same	5 ppm	RT
1/21/90 -1404	Top of CELA	CGI	261	same	0.00mg/m³	RT
1/21/90 -1501	7+50 -15R	HNu	PI101	Same	20.5% O_2, 0% LEL	RT
1/21/90 -1605	Top of CELA	HNu	PE101	Same	2 ppm	RT
					5 ppm	RT

1400 - CELA 5ppm Bz. - level C

7+50-15R 0-3ppm Bz at 1400-1545
during excavation to top of
CELA

1600 - CELA 5ppm Bz (level C continued)
1604 - CELA during activities discontinued for the day

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 21 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	~~7:45~~ 11:40 /	/	
C-2 L. Dekker	6:45 / 10:35	11:40 /	
C-3 P. Porter	6:49 / 12:00	12:17 /	
C-4 A. Muellerleile	6:58 / 9:31	3:33 /	
C-5 C. Ettinger	6:57 / 11:48	12:03 / 5:39	
C-6 F. Gontowski	6:50 / 7:53	8:09 / 12:30	1:37 / 2:29 2:51 / 3:09 3:47 /
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:47 / 5:32	/	
C-10 C. Carrow	8:29 / 5:41	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	6:33 /	/	
C-14 N. Tracy	6:49 /	/	
C-15 G. Maichele	6:30 / 12:05	12:11 /	
C-16 S. Hunt	6:33 / 11:57	12:10 / 12:36	1:23 / 5:23 5:34 /
C-17 P. Smith	6:36 /	/	
C-18 G. Cressman	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:35 / 12:00	12:23 /	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swann	7:46 /	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:46 / 1:40	12:10 / 1:11	
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	4:07 / 4:08	
S-4 T. Cobb	1:50 / 6:30	/	
S-5 A. Fox	5:25 / 5:26	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 21 August 1990

No.	Name	Time In/Out	Time In/Out	Time In/Out	Time In/Out	Remarks
A-1	7:50/8:14	9:36/11:43				
A-2	8:07/8:22	12:36/12:55	4:34/4:44			
A-3	8:25/8:42	12:59/1:11	5:04/5:25			
A-4	8:25/8:42	12:59/1:11	5:10/5:29			
A-5	8:25/8:42	12:59/1:13	5:10/5:29			
A-6	8:27/8:45	12:43/12:51	4:38/4:43			
A-7	8:36/8:54	12:57/1:06	4:56/5:07			
A-8	8:36/8:54	12:57/1:06	4:56/5:10			
A-9	12:02/12:13					
A-10						
C-18	7:45/8:14	9:36/11:43				

A-1	Tim Vogel	Ungerman
A-2	Fred Osmond (61)	General Crushed Stone
A-3	Robert Hall	
A-4	Jim Rafter	
A-5	Scott Womboys	
A-6	Frank Charland (69)	
A-7	James Coombs (66)	
A-8	Ray Charland (63)	
A-9	Boyd Green	Green's Trucking
A-10		
C-18	Manley Clark	Ungerman

Pattons Busy Bee	10:04/10:20	empty dumpster
UPS	10:15/10:17	2 piece delivery
Dean's Septic Service	10:15/10:34	
Jack Kramer C-18	11:31/12:00	Tye Construction
Culligan Water	11:51/12:08	

Alfred Atlas Gravel & Sand Corporation

Box 1195
Alfred Station, New York 14803

R M. CAMPBELL, PRES
D E. RASE, VICE PRES
G R. MOORE MGR

AREA CODE 607
PLANT 587-9494
OFFICE 587-8686

SIEVE SIZE	% PASSING
4"	100 %
1"	53 %
1/4"	11 %
#4	4 %

PROJECT ENTRY PERMIT

DATE: 8-21-90 TIME IN: _____ TIME OUT: 7:40

NAME: A Mallard

COMPANY: Canonie

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 8-21 TIME IN: _____ TIME OUT: 7:00 AM

NAME: G. Reid

COMPANY: Canonie

BADGE No: C-13

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

PROJECT ENTRY PERMIT

DATE: 8-21 TIME IN: _____ TIME OUT: 7:00 AM

NAME: N. Tracy

COMPANY: Canonie

BADGE No: C-14

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

PROJECT ENTRY PERMIT

DATE: 8-21 TIME IN: _____ TIME OUT: 7:00 pm

NAME: G. Mitchell

COMPANY: Canonie

BADGE No: C-15

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

PROJECT ENTRY PERMIT

DATE: 8-21 TIME IN: _____ TIME OUT: 7:00 pm

NAME: S. Hunt

COMPANY: Canonie

BADGE No: C-16

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

PROJECT ENTRY PERMIT

DATE: 8-21 TIME IN: _____ TIME OUT: 7:00 pm

NAME: P. Smith

COMPANY: Canonie

BADGE No: C-17

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

PROJECT ENTRY PERMIT

DATE: 8-21 TIME IN: _____ TIME OUT: 8:05

NAME: R. Porter

COMPANY: Canon

BADGE No: C-3

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

PROJECT ENTRY PERMIT

DATE: 8/21/90 TIME IN: 6:50A TIME OUT: 6:38P

NAME: FRANK GONTOWSKI

COMPANY: CANON

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 8-21-90 TIME IN: _____ TIME OUT: 7:30pm

NAME: [illegible]

COMPANY: Canon

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 8-21-90 TIME IN: 6:40 AM TIME OUT: 7:45pm

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: 8-21-90 TIME IN: _____ TIME OUT: 7:30pm

NAME: Dave Delaney

COMPANY: Comanche

BADGE No: C-1

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 20, 1990

Arrived at 6:45 a.m.
Plan of Day:
- °Hauling rip rap.
- °Work toe trench.
- °Extend the CELA impoundment.
- °Clean out key trench.

Dave asked what to do with CELA impoundment, it is almost full and we still have 75 to 100 c.y. of waste to haul. I told him to extend it to the south.

I asked Dave if he had a price from Jon for the property survey, he said Jon had told him it would probably take a week and would be around $4,000.00. I told him to give me something in writing.

Looked at key trench area where we hit the pile of trash and had the high % reading. I had told Dave to excavate to good material or 3 to 4 feet o/s toe of dike. He had reached 4 feet o/s on the south end but still in the trash. He still had another 30 feet on north end and was still in trash.

Tom G. and Kevin F. came at 10:30 a.m. I was just returning from the field, so I took them back out to see what was going on. They didn't have any comments and agreed with what we were doing. I showed them the CELA and told Tom that we had about 500 c.y. in it and I had told Dave to enlarge it for another 100± c.y. We went around it to the south looked at pit run in old slough, toe trench, clay fill and pit run placement behind NY dike.

Started raining at 1:10 p.m. and continued off and on into the night.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

AUG 23 1990

EBASCO / ARCO

DATE: 8-20-90 DAY: Monday HRS.WRK. 10hrs REPORT NO. 54

WEATHER INFORMATION:

TEMPERATURE: High 66 Low 57 WIND: Mph. 5-10 Dir. SE

PRECIPITATION: .12 HUMIDITY: High RIVER EL: AM _____ PM 4.35

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 Surveyors
"		SUPV. /	EMPS. /
USCOE/EPA /		SUB.	
"		SUPV.	EMPS.
VISITORS	See Secur. 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	10			
" 12G		Stand by		
(Sheep)Compactor		Stand by		
(Smooth) "	10			
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 Enlarge CELA compound. Con't backfilling key trench. Finish hauling unsuitable material in key trench to CELA

SAFETY Level C while backfilling trench & excavating out unsuitable material

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)
602 (Construct W. Bank key trench)
305 (Construct CELA Storage Area)
605 (Place W. Bank Rip Rap Protection)

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER Equipment Arrival: 25 (55 gal drums)

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	~~6750~~ 750
EXCAVATION			BEDDING MATRL	CY	18.6
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	342.87
OIL STAIND	CY	168	ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC. # 2		9.37 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~~	97.29 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	47%.43
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	150		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Cross-section for Trench and in place bedding

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	13+00 - 12+25	A-6	Geotextile		X	
2	13+00 - 12+25	A-7	Bedding		X	
3	13+75 - 13+30	A-8	R.P Rap		X	
4	CELA	A-11	Silt Fence		X	
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Required Geotechnical Sample from Alfred Atlas : Roadway Aggregate (#4)
Accompanied by Cal Swan

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 8-20-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod	4, 1, 1, 1	28, 6, 12, 8
"D"		
"C"	4, 1	12, 2
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0850	5+25	HNu	Real Time	5 ppm
2	0851	5+25	CGI	RT	20.7% O_2, 0% LEL
3	0852	5+25	Miniram	RT	0.00 mg/m³
4	0924	5+00-10R	HNu	RT	12 ppm
5	0925	5+00-10R	CGI	RT	20.5% O_2, 0% LEL
6	0926	5+00-10R	Miniram	RT	0.00 mg/m³
7	1034	7+00-10R	HNu	RT	1 ppm
8	1035	7+00-10R	CGI	RT	20.7% O_2, 0% LEL
9	1036	7+00-10R	Miniram	RT	0.00 mg/m³
10	1313	Top of CELA	HNu	RT	1 ppm

(E) Air monitoring to start more readings

(*)

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1115	N of CELA	2/Roller, dozer	Modified D	None
2	1135	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: 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 reported

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: 8-20-90 | HOURS ON SITE 10½

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

Activity ID # 608 (Construct W. Bank Toe Trench)
placed Geotextile Sta 13+00 - Sta 12+25
placed Bedding Sta 13+00 - Sta 12+25
placed Rip Rap Sta 13+25 - Sta 13+30

Act ID# 602 (Construct W. Bank key trench)
Cont'd over excavation in key trench between
Sta 7+00 - Sta 7+50 of waste material (oil Shale)
7 loads to CELA - 169 cy
at direction of construction manager

Act. ID# 305 (Construct CELA Storage Area)
- Enlarge CELA compound to hold excess
of unsuitable contaminated WASTE material.

Act ID# 605 (Place W. Bank Rip Rap Protection)
Placed Rip Rap to within 3" of the Height
shown in the Contract Drawings.

(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 8-20-90

	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 13+00 TO 12+25

5. REMARKS Geotextile overlap was the required 2 ft. and the tie in was done according to the Contract Drawings.

INSPECTOR [signature] DATE 8-20-90

REVIEWED BY [signature] DATE 8-22-90

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 8-20-90

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 13+00 TO 12+25

5. REMARKS Bedding thickness were in water was verified with a probe as work progressed

INSPECTOR _____ DATE 8-21-90

REVIEWED BY _____ DATE 8-22-90

FORM A-8
SHEET ____ OF ____

RIP RAP

INSPECTION DATE 8-20-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	____	____	____
- 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 13+75 TO 13+30

5. REMARKS Rip Rap was placed according to the Contract Drawings

INSPECTOR [signature] DATE 8-20-90

REVIEWED BY [signature] DATE 8-22-90

FORM A-11
SHEET ____ OF ____
INSPECTION DATE 8-20-90

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 _____ TO _____

OTHER CELA Compound

4. REMARKS Closed off full containment with silt fence and enclosed enlarged section of compound

INSPECTOR R T Curtis DATE 8-20-90

REVIEWED BY A F Mueller DATE 8-22-90

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-20-90

Work Areas Checked: N of CELA
Top of CELA - (contaminated storage pad)

Employees Present in Work Areas: Phil Smith, Gail Reid, Alan Tracy, Scott Hunt, Grant Macclellie, Dave Bekker, Kurt Ettinger

Equipment Being Utilized: 2 Dozers, Trackhoe, Roller, loader

PPE Being Utilized: level B (modified), level C, level D

Accidents/Breeches of Procedures:

None

AM Activities: filling and compacting Key Trench from 5+00 → 8+00 4+00, Rip rap placement 12+00 → 13+00, Trackhoe loading debris from Key Trench at 7+00 for CELA dumping

PM Activities: Extending contaminated storage area on top of CELA (E. extention)

Time: 0845, Temp ≈ 63°F, ENE wind, Cloudy

Time: 1310, Temp ≈ 65°F, ENE Wind, Cloudy, mist

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/20/90-0950	5+25	HNU	PI101	Cal=111ppm Isobutylene	5 ppm	Real Time
8/20/90-0951	5+25	CGI	CGI(261)	136=1 ppm	20.1% O_2, 0% LEL	RT
8/20/90-0852	5+25	Miniram	PDM-3	15% O_2, 50% LEL	0.00 mg/m³	RT
8/20/90-0924	5+00-10R	HNU	PI101	2 bag for Zero/	12 ppm	RT
8/20/90-0925	5+00-10R	CGI	261	Same	20.5% O_2, 0% LEL	RT
8/20/90-0926	5+00-10R	Miniram	PDM-3	same	0.00 mg/m³	RT
8/20/90-1034	7+00-10R	HNU	PI101	Same	1 ppm	RT
8/20/90-1035	7+00-10R	CGI	261	Same	20.7% O_2, 0% LEL	RT
8/20/90-1036	7+00-10R	Miniram	PDM-3	Same	0.00 mg/m³	RT
8/20/90-1313	Top of CELA	HNU	PI101	Same	1 ppm	RT
8/20/90-1314	Top of CELA	Miniram	PDM-3	Same	0.00 mg/m³	RT
8/20/90-1316	Top of CELA	CGI	261	Same	20.2% O_2, 0% LEL	RT
2 1400	Rain					

HNu levels while backfill the Key Trench from 4+75 → 5+75 =
0 - 20 ppm bz ave (5 ppm). Contaminated soil backfilled into Key Trench and compacted with roller level C (Nom during backfilling / Rolling / digging debris at 7+00 → down graded to modified D at 11 05

20 ft downwind - 2 ppm above bg ave.

30 ft " - Bg.

levels on top at the contaminated storage pad were 0-3 ppm Bz during hauling from 7+00 area

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 20 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:42 / 12:05	12 35 / 6:07	
C-2 L. Dekker	6:42 / 12:05	1:20 35 / 6:07	
C-3 P. Porter	6:50 / 3 31	4:50 /	
C-4 A. Muellerleile	6:51 / 11:52	6:27 /	
C-5 C. Ettinger	7:00 / 12:12	12:24 / 5:35	
C-6 F. Gontowski	6:45 /	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:46 / 5:35	/	
C-10 C. Carrow	6:46 / 1:50	1:57 / 5:35	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	6:30 / 5:35	/	
C-14 N. Tracy	6:53 / 5:35	/	
C-15 G. Maichele	6:30 / 12:50	12:57 / 6:25	
C-16 S. Hunt	6:33 / 10:27	10:54 / 11:15 11:49 / 11:58 12:17 / 6:02	
C-17 P. Smith	6:35 / 5:35	/	
~~C-18~~ E-9 G. Cressman	6:45 / 11:52	~~5:07 5:35 5:49~~ /	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:33 / 9:22	9:40 / 12:42 2:03 /	
E-2 T. Granger	10:24 / 12:42	2:03 / 4:24	
E-3 S. Stiles	/	/	
E-4 C. Swann	6:51 / 9:05	9:40 / 12:42 2:03 / 3:31 4:50 / 4:58 5:30 / 6:25	
E-5 K. Fitzgerald	10:24 / 12:42	2:08 / 4:24	
E-6 C. Bixby	7:45 / 2:00	3:57 / 6:02	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:16 / 1:57	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 10:01	/	
S-4 T. Cobb	9:57 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - AREA - BELLE ISLE
DAILY LOG FORM

Date: 26 August 1990

No.	Name	Time In/Out	Time In/Out	Remarks
	Manley Clark C-15	7:22/2:41	4:05/4:13	Orientation 5:35/5:47
A-1	8:15/8:27	12:01/12:29	3:41/3:55	
A-2	8:15/8:30	11:51/12:02	3:38/3:51	
A-3	8:16/8:48	1:11/1:24	6:07/6:16	
A-4	8:19/8:40	12:26/12:36	4:10/4:32	
A-5	8:24/8:40	12:36/12:36	4:19/4:32	
A-6	8:31/8:48	1:11/1:22	5:40/5:47	
A-7	8:31/8:48	1:11/1:24	5:40/5:47	
A-8	12:46/12:47	2:20/2:20	3:35/3:43	5:05/5:17
	Tom Gowan C-19		8:43/9:55	Beam Clean
	Colleen Kaies C-20		8:43/9:55	Beam Clean
	Adams Septic Service		9:00/9:15	
	Rick Scott		9:50/10:22	Short's Oil Co.
	UPS		10:26/10:28	2pc. delivery
	Yellow freight		1:56/2:22	2pc. delivery
	Tom English		2:20/2:27	Smoking Security job
	Fed Exp		2:43/2:47	1pc pickup/1pc. delivery
	UPS		3:58/4:01	1pc. pickup
	Diane Bilotta		4:22/5:01	Landscaping

P. Porter
F. Gerstowski
G. Chessman
G. St. Ives
A. Mueller-Lietz

All still working

left at noon and did not return

A-1	James Coombs	66
A-2	Fred Osmond	61
A-3	Jim Ratfee	
A-4	Frank Charland	64
A-5	Ray Charland	63
A-6	Robert Hall	
A-7	Scott Lienboys	
A-8	Tim Vogel	Undercover

General Crushed Stone Co.

PROJECT ENTRY PERMIT

DATE: 8-20-90 TIME IN: 6:35 am TIME OUT: 8:10 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: 8/20/90 TIME IN: 6:50^A TIME OUT: 8:00

NAME: Frank Contucci

COMPANY: Canonie

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 8-20 TIME IN: _____ TIME OUT: 6.45 am

NAME: R. Porter

COMPANY: Canonie

BADGE No: C-3

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

PROJECT ENTRY PERMIT

DATE: 8-20 TIME IN: _____ TIME OUT: 6 ~~PM~~

NAME: A Machado

COMPANY: Canon

BADGE No: C-4

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 19, 1990

Arrived at 6:45 a.m.
Plan of Day:

- °Excavated toe trench, lay filter fabric and place bedding stone until stone runs out.
- °Excavate unsuitable contaminated material at stations 7 + 25 and 8 + 50 and haul to CELA.
- °Backfill toe trench with suitable material from adjacent stockpiles and compact in lifts with vib. smooth drum roller.

Field Observations and Activities:

Contractor excavated toe trench and installed filter fabric and available bedding stone in preparation for rip rap deliveries on Monday.

Started overexcavation of unsuitable contaminated refuse, including drum remnants. rail road ties, scrap iron, bottles, fly ash and scattered oil and grease, all being hauled to CELA.

Commenced key trench backfill in nominal one foot lifts from station 4+50 to 7+00. Compaction being systematically provided by four coverages of a vibratory amooth drum roller on granular fill.

Rains starting at 1:00 p.m. caused shutdown of key trench work. Excavation of toe trench installation of bedding stone continued.

Contractor notified clay pit that there would be no clay hauled tomorrow, but bedding stone and rip rap will be hauled.

All clay surfaces well sealed.

Left site at 6:00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 19,1990

Arrived at 6:45 a.m.
Plan of Day:
- °Excavate toe trench.
- °Backfill key trench.

* Note: short handed 3 operators. Pete and Dave.

Completed rough excavation of toe trench to about statuon 11+00, didn't have enough help to place Geotex fabric or bedding stone.

Started backfilling key trench at North end station (3+9) with 963 and smooth drum roller at 9:30 a.m. Also started excavating the unsuitable material at station 6+30 and station 7+50. Lot of electrical equipment waste and lab bottles along with a thick grease.

Started raining at 12:20 p.m. Canoie stopped work at 3:30 p.m.

RECEIVED
AUG 2 1 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 8/19/90 DAY: Sunday HRS.WRK. 8hrs REPORT NO. 53

WEATHER INFORMATION:

TEMPERATURE: High 72 Low 62 WIND: Mph. 10-15 Dir. SE

PRECIPITATION: 0.2" HUMIDITY: ___ RIVER EL: AM 433 PM -

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

	P.E/I 1		R.E. 1
	H&SO		P.E.
	C/SE		QCM
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	
"		SUPV.	EMPS.
USCOE/EPA		SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor ___ Equip. Oper. 4

Truck Drivers ___ Others ___

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	8			
" 963	8			
" D-6	8			
" D-5	8			
" 12G		Stand by		
(Sheep)Compactor		Stand by		
(Smooth) "	8			
Canonie Wtr. Trk			Down	
Hertz Wtr.Trk		Stand-by		
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
½ ton pick up	8			
Mechanic Truck & Tools	-			

MEETINGS:

PLAN OF DAY Continue placing Geotextile & bedding. Start backfilling Key Trench & removing unsuitable material and haul to CELA.

SAFETY All work around trench will be monitored

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity # 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	
CONTNTD	CY		GEOTEXTILE FAB	SY	8100
EXCAVATION			BEDDING MATRL	CY	18.6
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
[CELA] OIL STAIND	CY	432	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)

None

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	Sta - 13+00 - 12+65	A-6	Geotextile		X	
2	Sta 13+00 - 12+45	A-7	Building		X	
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:

PAGE: ____ OF ____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

	Number of employees	Total Manhours Exposed
CLEAN:		
"D"mod	6	12
"D"		
"C"	6	36
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	09:14	Stk 9+00	HNu		3 ppm
2	09:30	Stk 9+25	HNu		7 ppm
3	09:35	Stk 9+00	HNu		4 ppm
4	10:04	Stk 5+00 - Stk 6+00	HNu		8 ppm
5	10:02	5+50	HNu		5 ppm
6	10:10	Stk 5+50	HNu	3 feet from source	15 ppm
7	10:12	CELA	HNu		10 - 20 ppm
8	10:24	Stk 4+75	HNu		3 ppm
9	10:30	Stk 6+00	HNu		10-15 ppm
10	11:00	Stk 7+30	HNu		1 ppm

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. Emps./Equip.	PPE Level	Violation
1	10:12	CELA	1 / 05	Level C	None
2	11:10	Trench backfill	Stk 5+00 - Stk 7+00	3 / Loader Backhoe	C None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

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

Equipment: In: 0-5 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 encountered. Gate was kept closed all day.

PAGE: ____ OF ____

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: 8-19-90
HOURS ON SITE: 9 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

Activity ED# 602 (Construct W. Bank Key Trench)
- Started Hauling unsuitable material found at Sta 7+00 - Sta 7+50 and Sta 8+25 - Sta 8+75 to CELA
- Hauled 18 loads to CELA - 432 cy
- backfilled with three lifts from Sta 4+75 - Sta 7+00 half up the trench excavation.
- operation was shut down due to rain storm.
- 4 passes with the sheepsfoot roller Compactor for each lift

ED# 608 (Construct W. Bank Toe Trench)
laid Geotextile & bedding Sta 13+00 - Sta 12+75

(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 2
INSPECTION DATE 8-19-90

	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 13+00 TO 12+25

5. REMARKS Geotextile was placed according to the Contract Documents with the two foot over lap.

INSPECTOR [signature] DATE 8-20-90

REVIEWED BY _____ DATE _____

FORM A-7
SHEET 2 OF 2
INSPECTION DATE 8-19-90

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 13+00 TO 12+25

5. REMARKS _____

INSPECTOR _____ DATE 8/20/90

REVIEWED BY _____ DATE 8-21-90

weather: wind S-10 SE

misting

30° [illegible]

Level C in CELA

Level C during Trench backfill operations

sides and in trench [illegible]

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

One 4 strong readings (spontaneous) Level C was [illegible]

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/19 9:11	Sta 9100 by truck	HNu	SHN405	11 ppm Background	11 ppm	
9:30	Sta 8+15	HNu	same	0 ppm	2 ppm	
9:35	sta 9100	HNu	Same	same	4 ppm	
10:00	sta 9100 - sta 8100	HNu	Same	same	8 ppm	
10:02	5150				5 ppm	
10:10	5150	same	same	same	15 ppm	2' from source
10:12	CELA Compound	same	same	same	10-20 ppm	
10:14	sta 4+75	same	same	same	[illegible]	hrs
10:30	Sta 5100	same	same	same	[illegible]	
10:45	Sta 7+30	same	same	same	[illegible]	
11:00	11:30	same	same		11 ppm	

PROJECT ENTRY PERMIT

DATE: 8/19/90 TIME IN: 6:45 PM TIME OUT: _____

NAME: Gail Sikes

COMPANY: EBASCO

BADGE No: E-4

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

PROJECT ENTRY PERMIT

DATE: 8-19-90 TIME IN: _____ TIME OUT: 3.30 p.m.

NAME: David Ockler

COMPANY: Comm

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 8-19-90 TIME IN: 6:45 am TIME OUT: 6:55 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: 8-19 TIME IN: 10:00 TIME OUT: 1:30

NAME: A. MUELLERLEILE

COMPANY: CANONIC

BADGE No: C4

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

PROJECT ENTRY PERMIT

DATE: 8-19-90 TIME IN: 6:30 TIME OUT: 3:30

NAME: Peter Parker

COMPANY: Canonic

BADGE No: C-3

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

PROJECT ENTRY PERMIT

DATE: 8-19-90 TIME IN: 6:45 a.m. TIME OUT: 3:30 p.m.

NAME: Lorraine Locklear

COMPANY: Canonic

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 8-19-90 TIME IN: 7:00 TIME OUT: 3:15

NAME: P. Smith

COMPANY: Canonie

BADGE No: C-17

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

PROJECT ENTRY PERMIT

DATE: 8-19-90 TIME IN: 7:00 TIME OUT: 3:15

NAME: N. Tracy

COMPANY: Canonie

BADGE No: C-14

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

PROJECT ENTRY PERMIT

DATE: 8-19-90 TIME IN: 7:00 TIME OUT: 3:15

NAME: G. Reed

COMPANY: Canonie

BADGE No: C-13

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORTS
AUGUST 18, 1990

Arrived at 6:35 a.m.
Plan of Day:
- °Continue toe trench excavation.
- °Continue to place geotex fabric.
- °Place bedding stone.
- °Continue to haul and place clay fill.

*Note - still short handed - four operators - Pete and Dave D. will run equipment as needed.

Allan came over and we discussed the method they want to use, to determine excavation and fill qualaties.

CL average at 50 feet intervals, I asked them to seperate the waste material from key/toe trench excavation.

Waste material will be head count at 12 yd loads.

Asjust for any material that is excavated and used in backfill.

Cal and I told Dave D. to not haul the maturual that he is excavating from toe trench, to the North end (station 0+60) for stockpile and drying, I want it placed as close to its native conditions as possible, are not using it , so he will spread it near the excavation.

Discuss key trench backfill with Dave D.

I need format analiysis reports from lab or summary letter from Canoie and signed by him or Allan. He will provide this.

Want material placed in thin layers until he is well above water table.

Want no trapping of oil or water.

Want fill free of any debri.

Told him that Cal and I would be inspecting this entire operation.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 18, 1990

Arrived at 6:40 a.m.
Plan of Day:
- °Continue clay placements.
- °Continue toe trench (excavate, lay filter fabric, place bedding stone and rip rap).

Field Observations and Activities:

Clay placements continued between station 14+50 and 16+00 (to limit of completed toe trench rip rap). Compactor spreading and compacting dumped piles in semi systematic manner. Fill receiving more compaction than required due to relatively small amount of fill coming in versus roller capacity. Lifts less than one foot. Compaction test more frequent than required all pass.

Toe trench construction completed to limit of rip rap. Excavated materials are below water there and are wet. Silty soils being carried to topsoil pile. Put stop on gravelly materials hauled to station 2-3. In response contractor switch. Haul to vicinity station 10 where material could drain easily and be spread locally.

C.O.E. representative stated sandstone rip rap waste pile left over from NY dike construction could be spread as it sits to fill local low area to the East. This will be done at contractor convinience.

Contractor sealed all clay surfaces with smooth drum roller in preparation for rain.

Left site at 7:00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 17, 1990

Arrived at 6:45 a.m.
Plan of Day:
- °Haul, place and compact clay.
- °Excavate toe trench.
- °Lay filter cloth, place bedding stone and rip rap.

Field Observations and Activities:

Observed clay placements and compaction. Lifts less than one foot with compactor coverages systematically given. Clay near optimum moisture with all sand cone densities passing. Troxler nuclear gage on site, for future testing. Two of Canonies personnel certified to operate.

Allowed contractor to haul several loads of wet material to dike foundation vicinity station 2, where material can dry out prior to incorporation in dike. Shut down this option with material essentially gravel. This material drains quickly and can be used else where. suggested stockpiling immediately adkacent to toe trench and when drained spread out and compacted as dike foundation.

Clay placements spilling over into area North of NY dike. Adjacent to area where toe trench excavation and backfill complete.

First rip rap appears slightly on coarse side but of good quality (pending results of testing). Contractor receiving and installing rip rap at his risk pending results of testing.

Left site at 6:00 p.m.

RECEIVED
AUG 2 1 1990
EBASCO / ARCO

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

DATE: 8-18-90 DAY: Saturday HRS.WRK. 10 hrs. REPORT NO. 52

WEATHER INFORMATION:

TEMPERATURE: High 89 Low 62 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: High 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	/	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor Equip. Oper. 4
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	—			

MEETINGS:

PLAN OF DAY Place Remaining Rip Rap. Continue placing clay in 1' max. loose lifts. Continue laying Geotextile & bedding. Continue toe trench excavation

SAFETY Toe Trench excavation will be monitored. Regular Construction activities between Sta 10+00 and Sta 22+21 are considered clean. Regrade will take place this morning. Steel toe boots, hard hats required for Ear & Eye protection when needed

Scheduled.

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity # 604 (Construct W. Bank Pike)
605 (Place W. Bank R.p Rap Protection)
608 (Construct W. Bank Toe Trench)
601 (Raise NY Pike)

EAST BANK

RIVER (Any activity performed in water or gravel bar)
608 (Construct W. Bank Toe Trench)

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	1290.5
CONTNTD	CY		GEOTEXTILE FAB	SY	5400
EXCAVATION			BEDDING MATRL	CY	21.1
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	44
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	414.8	"		
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	1290.5	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)

- Cross-sectioned Toe Trench & bedding
- Office Comps

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	13+00 - 11+00	A-3	Toe excavation		X	
2	16+50 - 14+00	A-5	Clay		X	
3	13+85 - 13+00	A-6	Geotextile		X	
4	13+55 - 13+00	A-7	Bedding		X	
5	14+25 - 13+75	A-8	Rip Rap		X	
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

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

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

8-18-40

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	6, 2	70, 4
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0926	17+00 -35L	HNu	Real Time	1 ppm
2	0930	17+00 -35L	Miniram	RT	0.00 mg/m³
3	0937	17+00 -35L	CGI	RT	20% O₂ 0% LEL
4	1032	14+00 -10R	HNu	RT	1 ppm
5	1033	14+00 -10R	Miniram	RT	0.00 mg/m³
6	1034	14+00 -10R	CGI	RT	20% O₂, 0% LEL
7	1341	17+00 -5L	HNu	RT	1 ppm
8	1342	17+00 -5L	Miniram	RT	0.00 mg/m³
9	1343	17+00 -5L	CGI	RT	20% O₂, 0% LEL
10	1447	12+50 -35L	HNu	RT	1 ppm

(*) e air monitoring ata sheet , more eadings

(*)

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1010	E of CELA	2/ Dozer, Compactor	D	None
2	1600	N.E of CELA	1/ Truck	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:

18 AUG

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 18 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: 8-18-90 | 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

Activity # 601 (Rough Grade)
604 (Construct W. Bank Road)
Placed clay from Sta 16+50 - Sta 14+00 in 1' max. loose lifts and compacted to a minimum of 95% compaction.
Sealed clay at the end of day with smooth drum compactor.

608 (Construct W. Bank Toe Trench)
- excavated toe trench Sta 13+00 - Sta 11+00
- material excavated was wet gravel and was initially hauled to Sta 1+50 (approved by Cal Swan) later material was directed to be hauled to Sta 9+25 by Cal Swan and no more material was to be hauled to Sta 1+50.
414.8 cy was hauled to both places
~ 342.8 cy Sta 1+50
~ 72 cy Sta 9+25
- laid geotextile & bedding from Sta 13+95 - Sta 13+00

#605 (Place W. Bank Rip Rap Protection)
8-17-90 Rip Rap Toe Trench Sta 16+00 - Sta 14+25
8-18-90 Rip Rap Toe Trench Sta 14+25 - Sta 13+75

(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 5

EXCAVATION FOR ~~KEY TRENCH,~~
TOE PROTECTION TRENCH

INSPECTION DATE 8-19-90

	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 13+00 TO 11+00

4. REMARKS Toe Trench Excavation is in water. All surveying was completed at the completion of each phase. Completion of excavation, then bedding placement.

INSPECTOR [signature] DATE 8-20-90

REVIEWED BY [signature] DATE 8-21-90

FILL MATERIAL ABOVE WATER SURFACE

FORM A-5
SHEET 2 OF 5
INSPECTION DATE 8-19-90

	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 16+50 TO 14+00

6. REMARKS _____

INSPECTOR _____ DATE 8-20-90

REVIEWED BY _____ DATE 8.21.90

GEOTEXTILE

FORM A-6
SHEET 3 OF 5
INSPECTION DATE 8-18-90

	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 13+95 TO 13+00

5. REMARKS Geotextile was placed in the Toe Trench and was left floating to assure 2' overlap and then was sunk gradually by placing the bedding over it starting at the outside end.

INSPECTOR [signature] DATE 8-19-90

REVIEWED BY [signature] DATE 8-21-90

FORM A-7
SHEET 4 OF 5
INSPECTION DATE 8-13-90

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 13+85 TO 13+00

5. REMARKS Bedding was surveyed after in place to verify correct thickness

INSPECTOR Peter Fowler DATE 8-15-90

REVIEWED BY [signature] DATE 8-21-90

FORM A-8
SHEET 5 OF 5
INSPECTION DATE 8-19-90

RIP RAP

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	____	____	____
- 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 14+25 TO 13+75

5. REMARKS Placed remaining stockpile from 8-17-90

INSPECTOR Pete Post DATE 8-20-90

REVIEWED BY A.S. Mueller DATE 8-20-90

= of CELA R.Wrap placement-N.E of CELA, Excavating TOR

1+00 - 12+00

Time: 0920, Temp ≈ 73°F, Clear, No wind

Time = 1340, Temp ≈ 82°F, Overcast, SW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/18/90-0926	17+00-35C	HNU	PI101	Cal = 11 ppm Isobutylene	1 ppm	Real Time
18/90-0930	17+00-35L	Miniram	PDM-3	BG = 1 ppm	0.00mg/m³	R.T.
18/90-0937	17+00-35L	CGI	261	15% O₂, 50% LEL	20% O₂, 0% LEL	R.T.
1/18/90-1032	14+00-10R	HNU	PI101	Same	1 ppm	R.T.
18/90-1033	14+00-10R	Miniram	PDM-3	Same	0.00mg/m³	R.T.
18/90-1034	14+00-10R	CGI	261	Same	20% O₂, 0% LEL	R.T.
18/90-1341	17+00-5L	HNU	PI101	Same	1 ppm	R.T.
18/90-1342	17+00-5L	Miniram	PDM-3	Same	0.00mg/m³	R.T.
18/90-1343	17+00-5L	CGI	261	Same	20% O₂, 0% LEL	R.T.
18/90-1447	12+50-35L	HNU	PI101	Same	1 ppm	R.T.
18/90-1448	12+50-35L	Miniram	PDM-3	Same	0.00mg/m³	R.T.
18/90-1449	12+50-35L	CGI	261	Same	19.8% O₂, 0% LEL	R.T.
19/90-1605	11+00-5L	HNU	PI101	Same	1 ppm	R.T.
19/90-1606	11+00-5L	CGI	261	Same	20% O₂, 50% LEL	RT
3/19/90-1607	11+00-5L	Miniram	PDM-3	Same	0.00 mg/m³	RT

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-18-90

Work Areas Checked:
NE of CELA
E of CELA

Employees Present in Work Areas: Norm Tracy, Grant MacClelia, Kurt Effinger, Phil Smith, Pete Porter, Dave Rekker, Gail Reid, Frank Gontowski, Alan Mullerlile, Craig Carrow, George Lazosky

Equipment Being Utilized: 2 dozers, Trackhoe, Sheepsfoot, Roller, loader, Grater

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-18-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

No levels above normal/background found during operations N.E, and E. of the CELA

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene
CGI = 15% O_2, 50% LEL
Miniram = Zero bag for zeroing

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 18 AUG 90

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:42 / 10:46	11:30 / 5:44	
C-2 L. Dekker	6:42 / [redacted]258	4:54 / 5:44	
C-3 P. Porter	6:49 / 2:28	2:38 / 6:06	
C-4 A. Muellerleile	7:24 / 6:06	/	
C-5 C. Ettinger	7:12 / 12:45	12:55 / 6:11	
C-6 F. Gontowski	7:05 / 3:01	Frank / Left with his badge	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:40 / 5:40	/	
C-10 C. Carrow	6:40 / 5:40	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	6:39 / 5:56	/	
C-14 N. Tracy	6:31 / 6:06	/	
C-15 G. Maichele	6:31 / 6:06	/	
C-16 S. Hunt	/	/	
C-17 P. Smith	6:42 / 6:06	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:38 / 1:22	2:14 /	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. SWANN	6:49 / 10:40	1:13 /	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	8:30 / 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	11:54 / 6:30	/	
S-5 A. Fox	6:00 / 12:14	/	
S-6	/	/	

SECURITY - ARCO - BELLEVILLE
DAILY LOG FORM

Date: 18 AUG 90

No. Name	IN/OUT	Time In/Out	Time In/Out	Remarks IN/OUT	IN/OUT
A-1 6575	6:59/7:07	8:44/9:04	10:44/10:58	12:35/12:42	2:24/2:32
A-2 3044	7:06/7:14	8:51/9:06	10:51/11:00	12:56/12:59	2:48/2:57
A-3 8370	7:24/7:30	9:43/9:50	11:40/11:47	1:27/1:34	3:20/3:29
A-4 4639	7:24/7:30	9:58/10:06	11:49/12:00	1:47/1:55	3:32/3:44
A-6 2755	7:30/7:40	9:13/9:22	11:06/11:15	1:02/1:10	3:04/3:17
A-7 6464	7:41/7:52	9:37/9:50	11:49/11:58	1:44/1:54	3:31/3:39
A-8 1164	7:41/8:54	10:31/10:38	12:23/12:29	2:13/2:20	3:31/3:33
A-9 4584	7:42/7:55	9:37/9:50	11:48/11:58	1:44/1:53	3:31/3:39
A-10 8072	7:59/8:11	10:00/10:18	12:51/1:04		
E-5 8147	7:59/8:11	10:00/10:18	12:51/1:02		
E-6 9370	8:14/8:21	9:50/9:58	11:31/11:39	1:18/1:25	3:08/3:22
E-7 42692 (PA)	8:28/8:35	10:20/10:30	12:16/12:25	2:13/2:20	4:18/4:25
E8 40578(PA)	8:22/8:30	10:07/10:19	11:57/12:01	1:47/1:55	3:53/4:00
E-9 1165	8:38/8:47	10:24/10:31	12:10/12:18	2:00/5:33	
E-10 9395	8:44/8:54	10:39/11:17	~~12:09~~/1:09/1:16	3:04/3:19	4:55/5:13
S-6 9257	8:44/8:54	10:39/11:17	1:19/1:28	3:14/3:25	5:05/5:15
S-7 42707(PA)	8:51/9:00	10:39/10:55	12:28/12:38	2:24/2:30	4:11/4:21
S-8 8968	9:35/9:43	11:22/11:32	1:09/1:16	3:03/3:16	4:53/5:03
A-1 6575	4:19/4:26				
A-2 3044	4:40/4:55				
A-3 8370					
A-4 4639					
A-6 2755					
A-7 6464					
A-8 1164					
A-9 4584					
A-10 8072					
~~E-5~~ 8147					
E-6 9370	5:05/5:13				
E-7 42692 (PA)					
E-8 40578 (PA)	5:34/5:44				
E-9 1165					
E-10 9395					
S-6 257					
S-7 42707 (PA)					
S-8 8968					

SECURITY - ARCO - BELLEVILLE
DAILY LOG FORM

Date: 18 AUG 90

No.	Name	Time In/Out	Time In/Out	Remarks
A-1	DIANE TINGUE			PRESTON TRUCKING
A-2	BOB CLINE			DAVISON
A-3	M. TEWEGBURY			MILLS TRANSPORT
A-4	B ENNIS			" "
A-6	J. BUGMAN			BUGMAN TRUCKING
A-7	S. WINSHIP			UNGERMAN TRUCKING
A-8	C. CLARK			" "
A-9	M. WINSHIP			" "
A-10	CINDY OLIVER			OLIVER TRUCKING
E-5	D. BAKER			UNGERMAN TRUCKING
E-6	R. DEMARCO			UNGERMAN "
E-7	J. BARNES			KIGHTLINGER EXCAVATING
E-8	D. STACK			KNIGHTLINGER EXCAVATING
E-9	T. VOGEL			UNGERMAN TRUCKING
E-10	R LUSSMER			UNGERMAN
S-6	T. GARDNER			"
S-7	T. KORD			KIGHLINGER TRUCKING
8-8	B. LANPEHIER			MILLS TRANSPORT

Shucks out 12:50/1:12

G STiles } Still working
C. Svrann }

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 18, 1990

Work Performed	No. Hours	Misc. Information
SHOOT GRADE ON TOE TRENCH	10	1 MAN & CANNIE LABORER
COMPUTE VOLUMES FOR PAY ITEMS 5	10	1 MAN
	Total 10 MAN / 10 MAN	

Signatuer of responsible part

PROJECT ENTRY PERMIT

DATE: 8/15/90 TIME IN: _____ TIME OUT: 7:16 PM

NAME: Gae Jones

COMPANY: EBASCO

BADGE No: E-1

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

PROJECT ENTRY PERMIT

DATE: 8-18-90 TIME IN: 6:35 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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 17, 1990

Arrived at 6:45 a.m.
Plan of Day:
- °Place bedding stone in toe trench.
- °Place clay.
- °Spread material from toe trench.
- °Place rip rap.

Told Dave to not place clay in more than 6 inch lifts until he has been able to dry it up. He agreed.

Weekly progress meeting- see minutes.

Dave Bingent USCOE and Jim Tuk NYDEC were visitors at meeting today. They didn't ask only a couple of questions. Dave asked to talk with me after meeting.

I turned over four copies of the daily reports to the USCOE. Dave asked when they would be getting copies of the approved and inspection submittals, I told him that the inspection reports were a part of the daily reports and would be attached to them, approved submittal books. I don't have mine yet, but understand that we should be getting them anytime now. I would be glad to let them read what I have.

They suited out (in ARCO furnished PPE) and went to the field, to look at the oil in the trench and work that was being performed on the new dike.

Nelson Bakerman, Andrew Kreutter and K Lyn Wineholt approved at 11:15 a.m. They were sent out by AWTC to take some pictures of Cal and I in Hazardous Waste action.

RECEIVED
AUG 18 1990
EBASCO / ARCO

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

DATE: 8/17/90 DAY: Friday HRS.WRK. 10hrs REPORT NO. 51

WEATHER INFORMATION:

TEMPERATURE: High 95 Low 62 WIND: Mph. — Dir. —

PRECIPITATION: None HUMIDITY: ____ RIVER EL: AM ____ 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 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. 4

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	8			
" D-6	10			
" D-5	8			
" 12G	8			
(Sheep)Compactor	10			
(Smooth) "	8			
Canonie Wtr. Trk		Stand-by		
Hertz Wtr.Trk	10			
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
½ ton pick up	10			
Mechanic Truck & Tools				

MEETINGS:

PLAN OF DAY Continue hauling Clay. Start hauling Rip Rap. Continue hauling bedding. Cont laying Geotextile. Cont all work on Toe Trench excavation and compaction of Nu Dike Clay Fill.

SAFETY Conv. informal letter of H2S downgrade to Level D (Hard Hat, steel toe shoes, regular work clothes and ear protection / eye protection when needed.)

SCHEDULED Regular Weekly meeting (Minutes to be submitted with in 3 days)

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 60B (Construct W. Bank Toe Trench)
= 601 (Raise Nu 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	1463.75
CONTNTD	CY		GEOTEXTILE FAB	SY	1500
EXCAVATION			BEDDING MATRL	CY	38.5
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	381.91
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY	384	SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	281.8	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~	290.87 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	425.91
CLAY FILL	CY	1463.75	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)

- Cross-sections (Toe excavation + bedding placement)
- Toe Staking

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	15+40 - 13+00	A-3				
2	22+31 - 16+50	A-5	Clay			
3	15+40 - 13+85	A-6	Geotextile			
4	15+40 - 13+85	A-7	bedding			
5	16+00 - 14+25	A-8	R.p Rap			
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

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

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 8-17-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod	7, 6, 2	77, 6, 2
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0917	17+00 -25C	HNu	Real Time	1 ppm
2	0918	17+00-25C	CGI	RT	20.3% O_2, 0% LEL
3	0919	17+00 -25C	Miniram	RT	0.00 mg/m³
4	1035	12+00 - 20R	HNu	RT	1 ppm
5	1036	12+00 - 20R	CGI	RT	20% O_2, 0% LEL
6	1037	12+00 - 20R	Miniram	RT	0.00 mg/m³
7	1340	17+50 - 25C	HNu	RT	1 ppm
8	1341	17+50 - 25C	CGI	RT	20% O_2, 0% LEL
9	1342	17+50 - 25C	Miniram	RT	0.00 mg/m³
10	1612	13+00 -20R	HNu	RT	1 ppm

(E) (E) air monitoring sheet more adding

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1005	E of CELA	3/dozer, excavator	level D modified	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:

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 ENCOUNTERED

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

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity # 601 (Raise NY Dike)
- continued placing one foot maximum loose lifts of clay on NY Dike and compacted to, at a minimum, the required 95% compaction.

Act. ID # 608 (Construct W. Bank Toe Trench)
Completed toe trench with Rip Rap from Sta 16+00 - 14+25. Geotextile was placed and tied into the Rip Rap according to the Contract Drawings. Bedding also conformed with the Contract Drawings with a layer of 4".
- Excavation of key trench is completed up to Sta 13+00.

Other: Excavated 384 cy of wet silty gravel (suitable for fill) and hauled to Sta 1+30 to Sta 2+00 for drying and then placement.
Wet Silty Gravel came from Sta 14+25 to Sta 12+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 1 OF 5

EXCAVATION FOR ~~KEY TRENCH~~
TOE PROTECTION TRENCH

INSPECTION DATE 8-16 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+40 TO 13+00

4. REMARKS Water is in base of Toe Trench (1'-2' deep)
Toe Trench constructed according to Contract drawings
Walls of excavation are compacted with the
bucket on the 235 hoe

INSPECTOR _____ DATE 8-17-90

REVIEWED BY _____ DATE _____

FORM A-5
SHEET 2 OF 5

FILL MATERIAL ABOVE WATER SURFACE

INSPECTION DATE 8-16-90

	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			
- 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: Haul Roads sprayed when needed

5. FILL LOCATION
DIKE STATION 22+31 TO 16+50

6. REMARKS Rigid testing is complete with additional Tests for verification.

INSPECTOR Bob Porter DATE 8-17-90

REVIEWED BY Al Mueller DATE 8-18-90

GEOTEXTILE

FORM A-6
SHEET 3 OF 5
INSPECTION DATE 8-17-90

	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 15+40 TO 13+85

5. REMARKS Geotextile was placed with correct overlap (2') and was tied in with rip rap according to the Contract drawings up to sta 14+25

INSPECTOR Rob Porter DATE 8-17-90

REVIEWED BY A.S. Mudek DATE 8-18-90

FORM A-7
SHEET 4 OF 5
INSPECTION DATE 8-17/90

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: Haul Roads sprayed when needed

4. BEDDING LOCATION

DIKE STATION 15+40 TO 13+85

5. REMARKS Bedding is placed on geotextile to required thickness (4") with the 235 backhoe

INSPECTOR [signature] DATE 8/18/90

REVIEWED BY [signature] DATE 8.18.90

FORM A-8
SHEET 5 OF 5
INSPECTION DATE 8-16 90

RIP RAP

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	____	____	____
- 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 16+00 TO 14+25

5. REMARKS Rip Rap was placed in the Toe Trench to the required ~~thickness~~ thickness on the contract drawings.

INSPECTOR Peter Porter DATE 8-17-90

REVIEWED BY Alex Mueller DATE 8-18-90

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-17-90

Work Areas Checked: E of CECA

Employees Present in Work Areas: Kurt Ettinger, Bail Reid, Phil Smith, Grant Mackelie, Norm Tracy, Pete Porter, Dave Dekker, Allen Mullerlie, Frank Gontonik, George Labosky, Craig Carrow

Equipment Being Utilized: Trackhoe, dozer (2), loader, roller, sheepsfoot, Rental water Truck

PPE Being Utilized: level (D modified) Tyvex, gloves, steel toe with overboots, hard hat, safety glass and ear plugs were needed

Accidents/Breeches of Procedures:

none

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-17-90

Equipment: HNU, Miniram, CGE

Real-Time Air Monitoring Results and Work Area

No readings above background/normal found on HNU, CGE or Miniram during activities at N.E End or East End of site

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

HNU = 111 ppm Isobutylene

CGE = 15% O_2 50% LEL

Miniram = 2-bag

Activities: Clay working - excavation, loading, grading, [illegible]

Time: 0930, Temp ≈ 73°F Sunny, SW wind

Time: 1405, Temp ≈ 84°F, Sunny, SW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
3/17/90 - 0917	17+00 - 25L	HNU	PI101	Cal = 11 ppm Isobutylene	1 ppm	Real Time
3/17/90 - 0918	17+00 - 25L	CGI	261	Bg = 1 ppm	20.3% O_2, 0% LEL	RT
3/17/90 - 0919	17+00 - 25L	Miniram	PDM-3	15% O_2, 5% LEL	0.00 mg/m³	RT
3/17/90 - 1035	12+00 - 20R	HNU	PI101	Z bag for zeroing	1 ppm	RT
3/17/90 - 1036	12+00 - 20R	CGI	261	Same	20% O_2, 0% LEL	RT
3/17/90 - 1037	12+00 - 20R	Miniram	PDM-3	Same	0.00 mg/m³	RT
3/17/90 - 1340	17+50 - 25L	HNU	PI101	Same	1 ppm	RT
3/17/90 - 1341	17+50 - 25L	CGI	261	Same	20% O_2, 0% LEL	RT
3/17/90 - 1342	17+50 - 25L	Miniram	PDM-3	Same	0.00 mg/m³	RT
3/17/90 - 1612	13+00 - 20R	HNU	PI101	Same	1 ppm	RT
3/17/90 - 1613	13+00 - 20R	CGI	~~PI101~~	Same	19.9% O_2 0% LEL	RT
3/17/90 - 1614	13+00 - 20R	Miniram	PDM-3	Same	0.08 mg/m³	RT

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 8-12-90

Non-Use or Mis-Use of PPE
None

Non-Use or Mis-Use of Buddy System
None

Site Procedure Violations Mr Gail Reid was observed riding on the outside of the water truck on 8-9-90, A can of gasoline was found inside the wash trailer on 8-15-90, and the fire extinguisher on the D-5 dozer was missing on 8-16-90

Job-Related Illness or Injuries
None

Weather Data Rain on PM on Monday
cloudy Tuesday
Pt sunny Wednesday
Pt sunny Thursday
(winds from NW & SW (varying)
Temps from 49°F - 86°F)

Air Monitoring Summary
- HNu levels from 5-10 ppm while excavating Key Trench from ≈ 4+75 → 5+75
- HNu levels from 0-3 ppm above background during excavation of Key Trench from ≈ 5+75 → 10+00
- HNu levels were at 0ppm for excavation of Key Trench below 4+75 and above 10+00 (background readings)
- CGI and minirum levels were at background/normal levels

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 17 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:40 / 12:37	12:53 /	
C-2 L. Dekker	6:40 / 12:37	12:53 /	
C-3 P. Porter	7:20 / 12:26	12:47 /	
C-4 A. Muellerleile	7:13 /	/	
C-5 C. Ettinger	6:53 / 1:03	1:15 / 6:33	
C-6 F. Gontowski	6:58 / 12:26	12:47 /	
C-7 C. Chang	7:22 / [illegible]	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:51 / 5:40	/	
C-10 C. Carrow	6:51 / 5:40	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	6:31 /	/	
C-14 N. Tracy	6:20 / 12:00	12:10 /	
C-15 G. Maichele	6:20 / 11:34	11:35 /	
C-16 S. Hunt	/	/	
C-17 P. Smith	6:36 /	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:49 / 1:51	2:54 /	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swan	6:53 / 12:24	12:58 / 1:51	6:15
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:49 / 1:44	/	
C/E-2 D. Pingree	9:49 / 1:44	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	9:10 / 9:15	/	
S-2 A. Palmer	11:56 /	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	2:00 /	/	
S-6 GOWAN	2:11 / 3:30	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 17 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
Gary Bohrer C-16	8:19/10:00	11:07/1:05	SpinRight
UPS	10:43/7 48		6 piece delivery
Jim Tuk	10:06/1:28		DEC
Sean Konert	10:15/10:16		
Nelson Bakerman E-3	10:46/12:03	12:55/4:05	Photographers
Andrew Kreutter E-5			
K. Lee Winebolt E-6			
Joe Murphy C-18	11:00/12:09		General Crushed Stone
Howard Weshe	11:08/11:10		
Mike Bird	11:35/12:20		Southern Tier Landscaping
Dan Millen	11:35/12:20		
Charlie Beken	2:05/2:24		
GOWAN	2:11/3:30		BEAM CLEANING
SHORT'S	3:27/350		SHORT'S OIL

SECURITY - ARCO - BELLEVILLE
DAILY LOG FORM

Date: 17 August 1992

No.	Name	Time In/Out	Time In/Out	Remarks
A-1	Bob Cline			Davison
A-2	Clint Perry			Alfred Atlas
A-3	Gene Garrison			Alfred Atlas
A-4	Don Gibbo			Preston Trucking
A-6	Diane Tingue			Preston Trucking
A-7	Cindy Balcom			Bliven Trucking
A-8	Gary Baker			Baker Truck
A-9	Harold Hensel			Krause Construction
A-10	Lauren Krause			" "
E-6	Chris Myers			" "
E-7	Boyd Green			Green's Trucking
E-8	Robert Isaman			Isaman Truck
E-9	Jeff Bugman			Bugman Trucking
E-10	Richard Stack			Kightlinger Excavating
S-6	Manley Clark			Ungerman Truck
S-7	Tim Vogel			Ungerman Truck
S-8	Ron Lussier			Jim DeMarco Truck
S-10	Ralph Demarco			Ralph DeMarco Truck
C/E-5	Todd Kord			Kightlinger Excavating
C/E-6	Robert Hall (19)		General	~~Buffalo~~ Crushed Stone
C/E-7	Jim Raffea		"	"
C/E-8	Jesse Baens			Kightlinger Excavating
C/E-9	Scott Woarboys		General	~~Buffalo~~ Crushed Stone
C/E-10	Frank Charland		General	
C-19	James Coombs		~~Buffalo~~	Crushed Stone
C-20	Fred Osmond			
S-1	Ray Charland			

C/E-5 / C/E-8 TODD KORD / JESSE BAENS KIGHTLINGER EXCAVATING STILL HAVE TAG'S

left 11:28

C-1, C-2, C-3, C-4, C-6, C-7, C-13, C-14, C-15, C-17, E-7 STILL ONBOARD AT 6:30

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 17 August 1990

No.	Name	Time In/Out		Time In/Out		Remarks	
	A-1	7:05/7:21	8:47/9:56	10:07/11:15	1:05/1:11	3:05/3:12	5:20/5:23
	A-2	6:57/7:23	8:24/8:40	9:53/10:04			
	A-3	6:58/7:25					
	A-4	7:02/7:19	8:56/9:02	10:40/10:45	12:25/12:34	2:15/2:22	3:59/4:06	5:52/6:00
6665 75	A-6	7:05/7:20	9:00/9:05	10:45/10:51	12:32/12:42	2:20/2:30	4:11/4:18	5:55 6:05
	A-7	7:16/7:30	9:10/9:17	11:17/11:21	1:03/1:11	3:11 3:30	5:05/527	
	A-8	7:16/7:30	9:10/9:18	11:12/11:21	1:03/1:11	3:12/3:30	5:05/5:27	
PA7152	A-9	7:17/7:30	9:03/9:10	10:49/10:55	12:35/12:45	2:20/2:32	4:12/4:18	5:57/6:15
	A-10	7:22/7:32	9:11/9:19	11:00/11:05	12:46/12:47	2:27/2:35	4:15/4:24	6:00/6:15
P137151	E-6	7:25/7:32	9:16/9:21	11:02/11:07	12:47/12:57	2:37/2:42	4:25/4:32	
8995	E-7	7:35/7:46	8:35/8:47	9:45/9:51	11:14/11:22	12:14/12:33	1:42/1:51	2:48/3:00
[illegible]	E-8	7:50/7:57	9:35/9:57	11:46/11:46	1:34/1:42	3:32/3:31	5:15/5:23	
2235	E-9	7:50/8:02	9:35/9:43	11:20/11:28	1:13/1:20	3:00/3:08	4:23/4:06	4:48/4:57
	E-10	8:13/8:20	9:55/10:04	11:42/11:51	1:40/1:49	3:33/3:41	5:22/5:36	
8164	S-6	7:59/8:09	9:50/9:56	11:33/11:40	1:27/2:50	4:34/5:12		
8165	S-7	8:45/8:53	10:31/10:39	12:20/2:50	5:27/5:09			
(3-55)	S-8	8:34/8:45	10:23/10:31	12:14/12:20	1:58/2:06	3:45/3:52	5:25/5:42	
	S-10	8:34/8:45	10:20/10:28	12:14/12:21	1:58/2:06	3:46/3:54	5:26/5:42	
	C/E-5	8:17/8:25	10:01/10:09	12:07/12:19	3:46/3:59			
	C/E-6	8:19/8:49	12:32/12:47	5:05/5:20				
	C/E-7	8:19/8:49	12:34/12:47	5:10/5:20				
	C/E-8	8:24/8:40	10:20/10:26	12:17/12:29	2:19/2:27	3:07/3:15	[illegible]	
	C/E-9	8:19/8:49	12:34/12:47	5:10/5:20				
(64)	C/E-10	8:36/8:55	12:49/1:03	5:25/5:42				
(66)	C-19	8:36/8:55	12:49/1:03	5:25/5:42				
(61)	C-20	8:36/8:55	1:51/1:03	4:43/4:55				
(63)	S-1	8:36/8:55	1:51/1:03	5:26/5:42				
	E-7	5:35/5:42						

4:12/4:2

PROJECT ENTRY PERMIT

DATE: 8-17-90 TIME IN: _____ TIME OUT: 6:45 Pm

NAME: D. Pekker

COMPANY: Canonic

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 8-17-90 TIME IN: _____ TIME OUT: 6:45 Pm

NAME: C Pekker

COMPANY: Canonic

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 8-17-90 TIME IN: _____ TIME OUT: 7:00 Pm

NAME: G. Reid

COMPANY: Canonic

BADGE No: C-13

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

PROJECT ENTRY PERMIT

DATE: 8-17-90 TIME IN: _____ TIME OUT: 7:45 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: 8-17-90 TIME IN: _____ TIME OUT: 7:45 am

NAME: A. Mullerleile

COMPANY: Canonie

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 8-17-90 TIME IN: _____ TIME OUT: 8:15 am

NAME: F. Gonkowski

COMPANY: Canonie

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 8-17-90 TIME IN: _____ TIME OUT: 7:00 pm

NAME: G. Michele

COMPANY: Canonic

BADGE No: C-15

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

PROJECT ENTRY PERMIT

DATE: 8-17-90 TIME IN: _____ TIME OUT: 7:00 pm

NAME: N. Tracy

COMPANY: Canonic

BADGE No: C-14

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

PROJECT ENTRY PERMIT

DATE: 8-17-90 TIME IN: _____ TIME OUT: 7:30 pm

NAME: P. Smith

COMPANY: Canonic

BADGE No: C-17

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: August 17, 1990

Work Performed	No. Hours	Misc. Information
Cross Section's and Toe staking	10	2 man crew
	Total	
	10	Signatuer of responsible pari

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 16, 1990

Arrived at 6:45 a.m.
Plan of Day:

- °Continue clay placements on NY dike.
- °Continue Toe trench excavation from NY dike North.
- °Proof roll from NY dike North over Lagoon area.

Field Observations and Activities:

Approved use of suitable materials excavated from key trench for use in dike beneath clay. Topsoil pile will be hauled to topsoil pile.

Clay placed previous day passed density tests, two tests were taken. Moisture showing dry of optimum, which is surprising. Action of equipment during placing and compaction suggests higher moisture content. Suggested microwave oven might be more satisfactory than speedy moisture meter.

Clay placements are systematic with acceptable adherence to lift thickness and uniformly applied compactor coverages on level fill surfaces.

Canoie still only able to get ten clay trucks. Pit will start loading at 5:30 a.m. and load until 5:00 p.m. to take full advantage of trucks available. Will extend hours if necessary to meet schedule.

Two additional density tests taken on clay fill, both passed on density, but one was 3% over optimum. Excavated approximately 300 feet of toe trench (station 12 to 15). Installed filter fabric and bedding stone in preparation for rip rap in a.m. Canoie hauling rip rap without authorization or approval. D. Dekker acknowledged this.

Left site at 6:00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
AUGUST 16, 1990

Traveling to Wellsville .
Arrived at 6:40 p.m.

Cal was still in the office and he briefed me on events of the past few days. The sample result prelims have been received and all results are below limit except one and it is at the location of the free tar and other debri. Cal and I went out and looked at the work area. Pete P. was running the smooth drum roller trying to seal the clay fill they had placed on Wednesday and got rained out.

RECEIVED

AUG 1 8 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 8/16/90 DAY: Thursday HRS.WRK. 10hrs REPORT NO. 50

WEATHER INFORMATION:

TEMPERATURE: High 88 Low 56 WIND: Mph. 0-5 Dir. NE

PRECIPITATION: 0.09 HUMIDITY: Md RIVER EL: AM 04'36' PM ____

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

Weather 8-15-90
High 88
Low 50
Precip None

	F.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	10			
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny	10			
½ ton pick up	10			
Mechanic Truck & Tools	11			

MEETINGS:

PLAN OF DAY Continue Hauling clay, Start excavating toe trench

SAFETY No Gas cans or gas powered equipment in the dozer/wash trailers

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Set 20# 60c (Raise N.V. Rock)
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	972
CONTNTD	CY		GEOTEXTILE FAB	SY	750
EXCAVATION			BEDDING MATRL	CY	15
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	364.4	"		
WASTE MATRL.	CY		"		

Add 22.5 to U.L 8-15-90

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	15
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY	972	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)

- Cross-sectioning for trench excavation and in place bedding
- For staking

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	16+00 - 15+40	A-3			X	
2	22+36 - 16+50	A-5			X	
3	16+00 - 15+40	A-6	Geotextile		X	
4	16+00 - 15+40	A-7	Bedding		X	
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 8-16-96

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod	7, 1, 2, 3	70, 4, 6, 3
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0826	16+00 - 40L	HNu	Real Time	0 ppm
2	0828	16+00 - 40L	Miniram	R.T.	0.00 mg/m³
3	0830	16+00 - 40L	CGE	R.T.	20.4% O₂, 0% LEL
4	0926	15+50 - 40L	HNu	R.T.	0 ppm
5	0927	15+50 - 40L	Miniram	R.T.	0.00 mg/m³
6	0929	15+50 - 40L	CGE	R.T.	20.6% O₂, 0% LEL
7	1036	15+00 - 40L	HNu	R.T.	0 ppm
8	1037	15+00 - 40L	CGE	R.T.	20.9% O₂, 0% LEL
9	1038	15+00 - 40L	Miniram	R.T.	0.00 mg/m³
10	1341	12+60	HNu	R.T.	0 ppm

(*) Re air monitoring 14 sheet / more readings

(*)

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0845	N.E of CELA	4/Dozer, Trackhoe, skidsteer	Level D mod.	
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:

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 16 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: 8-16-90 HOURS ON SITE: 10½
PROJECT LOCATION: Sinclair Refinery, Wellsville		WEATHER & TEMPERATURE:
JOB NO: 88-093		LOCATION OF WORK: W. Bound (NY Pike)

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity ID # 601 (Route NY Pike)

- Continued hauling clay and placing in 1 foot maximum lifts.
- Took Required ~~#~~ test per 750 cy and 3 additional tests to verify compaction over entire NY Pike.
- Tests were taken at Sta 17+00 and Sta 18+65 Sta 18+50 and Sta 19+00

Results:

Sta 17+00

% moisture 30.5

% Proctor 95.4

Remaining three tests plotted above the zero void line. Col Swan was notified of this. F. Gontowski will perform a one point proctor in the field to check Woodward Clyde results and to make sure the material has not changed.

(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: 8-16-90 | HOURS ON SITE: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville

WEATHER & TEMPERATURE:

JOB NO: 88-093

LOCATION OF WORK: W. Bank (Toe Trench)

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Activity ID # 608 (Construct W. Bank Toe Trench)

- excavated toe trench Sta 14+00 - Sta 16+00
  Toe trench was excavated according to the Contract Documents
- laid geotextile Sta 16+00 - Sta 15+40
  Placed geotextile according to the Contract Documents with (2' overlap)
- Placed bedding in toe trench Sta 16+00 - Sta 15+40
  -4" requirement was met.

Equipment Arrival : Hertz Water Truck

(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 8-16-90

	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 11+00 TO 15+40

4. REMARKS Toe trench Excavation contains water (~ 1'). Conforms to Contract drawings

INSPECTOR Rob O'Toole DATE 8-17-90

REVIEWED BY Alan Mueller DATE 8-18-90

FILL MATERIAL ABOVE WATER SURFACE

FORM A-5
SHEET 2 OF 4
INSPECTION DATE 8/16/90

	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: Haul Roads Sprayed for Dust Control

5. FILL LOCATION
DIKE STATION 22+31 TO 16+50

6. REMARKS

INSPECTOR R. Parker DATE 8-17-90

REVIEWED BY Alex Mueller DATE 8-18-90

GEOTEXTILE

FORM A-6
SHEET 3 OF 4
INSPECTION DATE 8-16-90

	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 16+00 TO 15+40

5. REMARKS Geotextile was placed according to the Contract Documents (2 ft) overlap bedding placed (4") then left open overnight awaiting rip rap

INSPECTOR [signature] DATE 8-16-90

REVIEWED BY [signature] DATE 8-18-90

BEDDING

FORM A-7
SHEET 1 OF 4
INSPECTION DATE 8/16/90

	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 16+00 TO 15+40

5. REMARKS Left open awaiting R.P R.P

INSPECTOR Pete Porter DATE 8/17/90

REVIEWED BY Chris Mueller DATE 8-18-90

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-16-90

Work Areas Checked: NE of CELA, E of CELA, Work Trailer

Employees Present in Work Areas: Kurt Ettinger, Clint McKim, Bob McKim, Phil Smith, Grant Machek, Gail Reid, Norm Tracy, Scott Hunt, Pete Porter, Frank Gontowski, Dave Rikker, George Lazusky, Craig Carson, Chia Chiang, Alan Mullerlile

Equipment Being Utilized: 2 dozers, loader, Trackhoe, sheepsfoot, Roller, water Truck

PPE Being Utilized: Modified level D - Tyvek, gloves, steel toe boots (neoprene/rubber), hard hat, safety glass & ear plugs where needed

Accidents/Breeches of Procedures: None

Note: The D-5 dozer was missing its fire extinguisher. This was noted to Bob McKim & Scott Hunt in the field

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 8-16-90

Equipment: HNU, Miniram, CGI

Real-Time Air Monitoring Results and Work Area

No readings found above background/normal levels on the HNU, CGI, or Miniram during TP trench excavation from 16 ft to 15 ft.

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

HNU = 111 ppm Isobutylene
CGI = 15% O_2, 50% LEL
Miniram = Z Bag for zeroing

AM Activities: Excavation of Toe trench began - at 16+00 and went to 13+00, Clay hauling and working Continued on E of CECA side near 18+00 area.

PM Activities: Excavation of Toe trench from 13+00 → 12+50, Clay hauling and working continued on E of CECA side near 18+00 area. Also Top Soil hauling from Toe Trench 12+75 area and placing of filter fabric in Toe Trench at 17+50 → 17+00

Time 0820, Temp ≈ 70°F, Sunny, No wind
Time 1354, Temp ≈ 82°F, Pt Cloudy, NW wind, SW wind (varying)

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

ate/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
8/16/90-0826	16+00-40L	HNu	PI101	Cal = 111 ppm Isobutylene	0 ppm	Real Time
8/16/90-0828	16+00-40L	Miniram	PDM-3	Bg = 0 ppm	0.00 mg/m³	R.T.
8/16/90-0830	16+00-40L	CGI	261	Z-bag for zeroing	20.9% O₂, 0% LEL	R.T.
8/16/90-0926	15+50-40L	HNu	PI101	15% O₂, 50% LEL	0 ppm	R.T.
8/16/90-0927	15+50-40L	Miniram	PDM-3	same	0.00 ppm	R.T.
8/16/90-0929	15+50-40L	CGI	261	same	20.6% O₂, 0% LEL	R.T.
8/16/90-1036	15+00-40L	HNu	PI101	same	0 ppm	R.T.
8/16/90-1037	15+00-40L	CGI	261	same	20.9% O₂, 0% LEL	R.T.
8/16/90-1039	15+00-40L	Miniram	PDM-3	same	0.00 mg/m³	R.T.
8/16/90-1341	12+60	HNu	PI101	same	0 ppm	R.T.
8/16/90-1342	12+60	Miniram	PDM-3	same	0.00 mg/m³	R.T.
8/16/90-1343	12+60	CGI	261	same	19.8% O₂, 0% LEL	R.T.
8/16/90-1520	12+60	HNu	PI101	same	0 ppm	R.T.
8/16/90-1522	12+60	Miniram	PDM-3	same	0.00 ppm	R.T.
8/16/90-1523	12+60	CGI	261	same	20% O₂, 0% LEL	R.T.

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 16 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:40 / 12:17	12:53 /	
C-2 L. Dekker	6:40 /	/	
C-3 P. Porter	6:34 /	/	
C-4 A. Muellerleile	7:13 /	/	
C-5 C. Ettinger	6:58 / 11:58	12:10 / 5 56	
C-6 F. Gontowski	6:30 /	/	
C-7 C. Chang	7:04 / 12:17	12:53 / 4:57	5:48 / 6:36
C-8 J. App	/	/	
C-9 G. Lazusky	6:55 / 5:42	/	
C-10 C. Carrow	6:55 / 11:56	12:49 / 5:42	
C-11 B. Mckim	6:39 / 11:55	12:17 / 6:38	
C-12 C. Mckim	6:44 / 6.36	/	
C-13 G. Reid	6:32 / 6.36	/	
C-14 N. Tracy	6:50 / 6:47	/	
C-15 G. Maichele	6:22 / 6:47	/	
C-16 S. Hunt	6:25 / 3:31	/	
C-17 P. Smith	6:43 / 6:36	/	
C-18	/	/	
C-19 J. Mihm	7:03 / 12:17	12:53 / 3:10	3:30 / 3.38
C-20	/	/	
E-1 G. Stiles	6:27 pd	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swan	6:46 / 9:07	9:39 / 12:35	1:00 /
E-5[3] C. Bixby	1:48 / 4:42	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	10:00 / ~~HH~~ 8:23	12:39 / 1:30	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	9:20 / 9:37	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	5:56 / 2:00	/	
S-4 T. Cobb	1:53 / 7:00	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 16 August 1990

No./Name	Time In/Out		Time In/Out		Remarks	
A-1 7:13/7:19	8:53/9:00	10:35/10:42	12:14/12:29	2:11/2:16		
A-2 7:18/7:29	9:02/9:10	10:50/10:55	12:36/12:43	2:24/2:27	4:07/4:16	5:46/5:52
A-3 7:21/7:30	9:05/9:11	10:51/10:54	12:36/12:44	3:43/3:49	5:28/5:41	
A-4 7:26/7:34	9:16/9:25	11:04/11:10	12:47/12:51	5:56/6:09		
A-6 7:29/7:36	9:18/9:27	11:11/11:17	1:10/1:14	3:02/3:09	5:02/5:09	
A-7 7:35/7:42	9:14/9:20	10:55/11:03	2:11/2:19	3:59/4:05	5:34/5:42	
A-8 7:40/7:49	9:35/9:44	12:16/12:29				
A-9 7:40/7:50	9:35/9:38	12:16/12:30				
A-10 7:43/7:51	9:30/9:57	11:56/12:10	1:52/1:58	3:54/4:04		
S-6 7:49/7:56	9:33/9:40	11:23/11:31	1:37/2:43			
S-7 7:50/7:57	9:37/9:45					
S-8 8:25/8:32	3:37/3:44					
S-9 8:56/9:07	10:51/10:57	12:42/12:47				
S-10 8:56/9:08	10:51/10:57	12:37/12:46	2:23/2:29	4:09/4:16	5:50/5:56	
E-5 9:14/9:23	11:00/11:08	1:47/1:52	4:02/4:33			
E-6 9:15/9:24	11:15/11:20	1:50/1:57	4:04/4:30			
E-7 11:30/11:38	1:49/1:55	[redacted]	4:28/4:36			
E-8 3:51/4:09	5:14/5:23					

A-1	Bob Cline	Davison Trucking
A-2	Lauren Krause	Krause Construction
A-3	Chris Myers	Krause Construction
A-4	Diane Tingue	Preston Trucking
A-6	Dan Gibbs	Preston Trucking
A-7	Harold Hensell	Krause Construction
A-8	Gary Baker	Baker
A-9	Cindy Balcom	Bliven Trucking
A-10	Jeff Bugman	Bugman Trucking
S-6	Manley Clark	Ungerman
S-7	Tim Vogel	Ungerman
S-8	Bill Raimondi	Clint Case
S-9	Jim Demarco	Jude Demarco
S-10	Ron Lussier	Jim Demarco
E-5	Richard Stacks	Kightlinger Excavating
E-6	Jesse Barns	Kightlinger Excavating
E-7	Todd Kord	Kightlinger Excavating
E-8	Boyd Greene	Greene Trucking

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 16 August 1990

No./Name	Time In/Out	Time In/Out	Remarks
Dale Zanders	8:51/9:17		Shonk's O.I Co.
Dave Nagel C/E-3	9:41/11:11		to see D. Stubbs
Lane: Hallett	9:42/9:50		to see J. Palmer
Chris Dear	9:42/9:50		to see J. Palmer
UPS	10:25/10:28		2 piece delivery
Kerry Baobst	10:55/11:08		Hertz
Mike Cara	10:55/11:08		Hertz
Fed Express	2:51/2:52		1pc delivery
UPS	3:30/3:32		2pc pickup

D. DEKKER
L. DEKKER
P. Porter
A. Muellerleile
E. Gontowski
G. STILES
C. Swann
} All still working

A-1
S-6
S-7
S-8
S-9
} These trucks still have tags.

PROJECT ENTRY PERMIT

DATE: 8-16-90 TIME IN: _____ TIME OUT: 8:10 pm

NAME: LaVonne Dekker

COMPANY: Conmic

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 8-16-90 TIME IN: _____ TIME OUT: 8:10 pm

NAME: Dave Dekker

COMPANY: Conmic

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 8/16 TIME IN: 7:00 TIME OUT: 8:00

NAME: A. Mendoza

COMPANY: CANONIC

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 8-16-90 TIME IN: _____ TIME OUT: 9:15

NAME: Pete Porter

COMPANY: Canonica

BADGE No: C-3

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

PROJECT ENTRY PERMIT

DATE: 8-16-90 TIME IN: _____ TIME OUT: 8:50

NAME: F. Gontowski

COMPANY: Canonica

BADGE No: C-5

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 ~~17~~ 16, 1990

Work Performed	No. Houre	Misc. Information
Cross Sections and TOE STAKing	10	2 man Crew
	Total	
	10	Signatuer of responsible part Craig R Caruso

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 15, 1990

Arrived at: 6:50 a.m.
Plan of Day:

* No clay due to wet conditions
  (1.3 inches rain overnight)
* Bulldoze and rough grade pilot road and clear and chip on east side.

Field Observations and Activities:

* Installed 18" CMP pipe at creek crossing
  Installed 8" plastic pipe in low swale to facilitate crossing of swamp area.
  Pilot road established to transmission line.
  Chipper down for several short periods during day.
  Second backhoe which was expected in A.M. did not arrive.

Left site at 6:00pm.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 15, 1990

Arrived at : 6:35 a.m.

Plan of Day:

* Unload 235 hoe when it arrives
* Clear East Bank
* Install crossing at Cole creek

"Note" We had 1.30" of rain last night.

Gave Pete and Alan the increase in quantities, per the engineers estimate, for them to pass on to Dave D.

Alan showed me the bust on curve radius at PI-7 and PI-8. He will replot it and give it to me so I can have changes made on the drawings.

Routed the haul road through the trees, the shortest distance, to prevent cutting large trees. This is from Cole creek crossing to Short's field. This will have trucks running along the edge of field a little further.

River was up 1 1/2', but started back down at mid-afternoon.

RECEIVED
SEP 17 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 9-15-90 DAY: Saturday HRS.WRK. 10 hrs REPORT NO. 76

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. 5-10 Dir. SE

PRECIPITATION: ____ HUMIDITY: High RIVER EL: AM 5.34 PM 5.11

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

	F.E/I 1	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. App Surveyors
"		SUPV. 1 EMPS. 2
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	(2)	(6) Stand-by		
" 963		Stand-by		
" D-6		Stand-by		
" D-5	10			
" 12G	8			
(Sheep) Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		Off site for Repairs		
Hertz Wtr. Trk		Stand-by		
ACPR.	Left Site	9-13-90		
Chipper	10			
Generator / Steam Genny		Stand by		
½ ton pickup		Off site Repairs		
mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Clear E. Bank & Install temporary Culverts 8" & 18"

SAFETY Watch Falling trees, Be careful around chipper Wear appropriate safety equipment for the job being performed

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK Act ID # 404 (Clear E. Bank)

RIVER (Any activity performed in water or gravel bar)

OTHER Install Temporary Culverts.

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	.23	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	.11	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)

Office Comps.

Baseline East Bank

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	17+80	7+16+25	A-11	Erosion Control		X	
2	17+80 - 18+80		A-1	Clearing & Grubbing		X	
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 9-15-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN: 0.	7, 2	70, 8
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING: None

Sample	Time	Location	Instrument	Sample type	Results
1	Work Performed was on E. Bank				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	08:40	E. Bank	7 / D-5, 12 G, chipper, chainsaw	Level D	None
2	14:50	E. Bank	7/ D5 chipper chainsaw	Level D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS: None

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

Equipment: In: _____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF 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 REPORTABLE INCIDENTS

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: 9-15-90 | 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

Act ID # 404 (Clear E. Bank)
- cleared 100' x 75 plus additional area needed to install temporary culvert at Sta 17+80
- cleared 0-5 River width haul road out to Field as directed by G. Stiles (Ebasco)
* Note : Haul road goes out past 75' R.O.W. that was granted to Canonie
- Gary Stiles (Ebasco) was present during initial clearing of haul road.

OTHER : Installed two temporary Culverts
- 8" at Sta 16+25
- 18" at Sta 17+80

- Built up material at Sta 16+25 so the River will not ~~flood the~~ toe trench
Detour through

(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 9-15-90

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.	____	____	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 17+80 TO 18+80

4. REMARKS Clearing on E. Bank contained all trees to debree 75' from River Banks edge. Additional clearing was done at Sta 17+80 in order to install Culvert (temporary). Gary Stiles (Ebasco) located haul road through woods outside of the ~~gasket~~ 75' R.O.W. and gave approval to clear roadway. He was present through initial clearing of haul road. Stumps and grubbing was done only in access road.

INSPECTOR _____ DATE 9-17-90

REVIEWED BY _____ DATE 9-18

FORM A-11
SHEET ____ OF ____
INSPECTION DATE 9-15-90

EROSION AND SEDIMENT CONTROL

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	____	____	____
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	____	____	____

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION _____ TO _____

OTHER _____

4. REMARKS Temporary Culverts were installed on east bank in order to get access road through.
One 8" culvert at sta 16+25
One 18" culvert at sta 17+80

INSPECTOR _____ DATE 9-17-90

REVIEWED BY _____ DATE 9-18

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 9-15-90

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations mr. Bob Mckim was using the Grader for the wrong job on 9-10-90 - thus creating damage to the Grader

Job-Related Illness or Injuries Phil Smith twisted his ankle on 9-8-90. @ Grant Waidele had a sore back from lifting on 9-8-90

Weather Data

9-10-90	Pt Sunny	55-75°F	(varying winds)
9-11-90	Pt Sunny	55-75°F	
9-12-90	Pt Cloudy	65-80°F	
9-13-90	Sunny	60-82°F	

Air Monitoring Summary

All levels from air monitor were at background or normal on the HNu, CGI, miniram

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 15 SEP 90

No./Name	Time In/Out	Time In/Out	Remarks
C-1 [redacted]. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 [redacted]. Porter	6:37 / 8:16	12:30 /	
C-4 A. Muellerleile	7:56 / 10:23	12:30 /	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	6:47 / 5:33	/	
C-9 G. Lazusky	6:47 / 5:33	/	
C-10 C. Carrow	/	/	
C-11 [redacted]. Mckim	/	/	
C-12 C. Mckim	6:40 / 6:00	/	
C-13 G. Reid	6:40 / 5:25	/	
C-14 N. Tracy	6:48 [redacted] / 5:29	/	
C-15 G. Maichele	6:29 / [redacted] 5:48 [redacted]	/	
C-16 S. Hunt	6:24 / [redacted]	[redacted] /	
C-17 [redacted]. Smith	6:44 / ~~6:30~~ 6:00	/	
C-18 B. RICHERT	6:47 / 5:33	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	10:00 / 10:37	11:47 / 11:50	12:15 / 5:30
E-2 T. Granger	[redacted]	[redacted]	
E-3 S. Stiles	11:47 / 11:50	12:15 / 5:30	[redacted]
E-4 C. [redacted] SWANN	6:58 / 8:34	1:30 / 6:10	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 [redacted]. 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 / [redacted] 6:30	/	
S-6	/	/	

PROJECT ENTRY PERMIT

DATE: 9-15-90 TIME IN: — TIME OUT: 18:00

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: 9-15-90 TIME IN: — TIME OUT: 18:30

NAME: R. Porter

COMPANY: Canonic

BADGE No: C-3

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 14, 1990

Arrived at: 6:50 a.m.
Plan of Day:

* Continue dike fill placement
* Receive 2nd bavkhoe for east side work
* Bring bench area Sta.0+00 to Sta.2+00 up to grade
* Seal fill later in day in anticipation of thunderstorms
* Install silt fence on east side of river

Field Observations and Activities:

* Continued dike fill placement with materials obtained from Ungerman and Babbit pits. Material being spread in less than 1' lifts and compacted with greater than 4 passes of pad foot roller. In anticipation of thunder showers sealed fill with smooth drum and cut drainage (sumps) with backhoe. Took four (4) compaction tests with nuclear gage at shifts end.

  Installed CMP culvert pipe through core dike. Backfilled with sand to 6" over pipe with hand compaction with whacker to spring line of pipe.

  Continued fill placement at tie in with C.O.E. dike.

  Dressed up and established drainage to lagoon behind C.O.E. dike.

  Observed Babbit screening operations which was proveing 200 cy/hour over the period of observation (about 45 minutes).
  Equipment working - two loaders, one backhoe, two dozers, one scraper and six trucks hauling to fill.

  Black waste (flue dust?) was uncovered in drain ditch between station 8+50 and 8+85 adjacent to old landfill exposed in key trench and overexcavated and hauled to CELA beneath dike.

  2nd backhoe did not arrive

Left Site at 7:00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 14, 1990

Arrived at: 6:50 a.m.

Plan of Day:
* Install drain pipe
* Place clay - Baker @ 12+50 to 16400
* Place clay - Ungerman 8+00 to 6+00
* Work on ledge @ USCOE dike

Talked with Jim Ceriolo, Police Chief. Gave him my home address, in case of an emergency during night time hours.

Delivered work plan documents to Bob Chaffee's office.

Talked with John Tucker about his letter of September 12, 1990. Answered all his questions concerning security, work schedule and safety.

Had welder (Mike Black) from Otis/Eastern extend MW #16 - will get new elevations later.

James Ball of Ball Land Surveyor picked up indentures for survey work.

RECEIVED
SEP 07 1990
ARCO

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

DATE: 9-14-90 DAY: Friday HRS.WRK. 10hrs REPORT NO.: [illegible]

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. 0-10 Dir. Varying

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM - PM 4.45

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 1
ARCO	P.M.		"
OTHERS			CANONIE SUB. App Surveyor
"			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		Stand-by		
" 12G	10			
(Sheep) Compactor	10			
(Smooth) "	8			
Canonie Wtr. Trk		Offsite Repairs		
Hertz Wtr. Trk	10			
ACPR.		Left Site		
Chipper		Stand-by		
Generator / Steam Gerny		Stand-by		
1/2 ton pickup		Offsite Repairs		
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Clay arriving from both Ungerman and Babbitt. (Ungerman - Sta 13+00 - Sta 10+00 ; Babbitt - Sta 15+50 - Sta 13+00). Finish placement of CMP through COE Dike. Cut drainage ditches on inside of dike.

SAFETY A lot of trucks today. Watch your backs. Be aware of trucks dumping on soft spots. No accidents today!

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)

EAST BANK # 704 (Stake out E. Bank)

RIVER (Any activity performed in water or gravel bar)

OTHER Finished placing CMP through COE Dike and cut Drainage ditches on inside of dike.

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 (Babbitt)	CY	1164.0
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. Sand		27.05 tons
MISC.	CY		Clay Fill (Ungerman)		1118.75 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 (Babbitt)	CY	1164.0	ROAD AGGRTS.	TON	
MISC. Sand		27.05 tons	MISC. Clay Fill (Ungerman)		1118.75 cy

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
Air Compressor	Yes	No	Pete O'Brien

PAGE ____ OF ____

FIELD ENGINEERING ACTIVITIES: (surveyors)

Cross-section east Bank 0+00 - 5+50

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	13+00 - 15+50	A-5	Babbitt	Clay	X	
2	13+00 - 10+00	A-5	Ungerman	Clay	X	
3	11+30 - 17+00	A-11	Erosion	Control	X	
4	1+50	A-11	Erosion	Control	X	
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Testing was completed on clay fill.
1 Ungerman Clay 2 Babbitt Clay
1 on bench between sta 0+00 and sta 3+00
Test results included for 9-13-90 after inspection sheet

TECHINICAL CONCERNS/PROBLEMS:

Nuclear Gauge was fixed after calibration tests were run and new standard counts were accepted

PAGE: ____ OF ____

9-14-90

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	7, 2, 1, 1	70, 4, 6, 1
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0830	2+50	HNu	Real Time	2 ppm
2	0831	2+50	Miniram	RT	0.04 mg/m³
3	0832	2+50	CGI	RT	20.2% O_2 0% LEL
4	1400	3+50-35R	HNu	RT	2 ppm
5	1401	3+50-35R	Miniram	RT	0.02 mg/m³
6	1402	3+50-35R	CGI	RT	20.2% O_2, 0% LEL
7	1645	8+50-10R	HNu	RT	3 ppm
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0900	N of CECA	3/Trackhoe, loader, pogo compactor	-D-	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: —— Emps. Out: ——

Equipment: In: —— Out: ——

Venders Equipment: In: —— 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:

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 September 14, 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: 9-14-90 | HOURS ON SITE: 11 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)

- Placement

Babbitt Clay - sta 15+50 - sta 13+00

Ungermann Clay - sta 13+00 - sta 10+00

Both clays were slightly mixed at sta 13+00 to Sta 12+75 due to track traffic and rutting.

- Clay was compacted in 1 foot max. loose lifts with the 815 Cat to meet the Contract Specifications

- At the end of the day, Clay was graded and sealed off with the smooth drum compactor

- Back slope on NY Dike was shaped according to the Contract Drawings

OTHER:

- Completed placing CMP through COE Dike at ~ Sta 1+50

- Excavated drainage trench on inside of W. Bank Dike in order to drain site. Sta 5+50 is the break point. Sta 5+50 - 17+00 Flows South. Sta 5+00 - 1+50 flows North

Equipment Arrival

Cat 235 counter weight + 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

FORM A-5
SHEET ___ OF ___

FILL MATERIAL ABOVE WATER SURFACE

INSPECTION DATE 9-14-90

	ACCEPT	REJECT	N/A
1. MATERIAL (Babbitt)			
- 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: Haul Roads sprayed when needed

5. FILL LOCATION
DIKE STATION 13+00 TO 15+50

6. REMARKS _____

INSPECTOR _____ DATE 9-15-90

REVIEWED BY _____ DATE 9-18

Sep. 4923

FILL MATERIAL ABOVE WATER SURFACE

FORM A-5
SHEET ____ OF ____
INSPECTION DATE 9-14-90

	ACCEPT	REJECT	N/A
1. MATERIAL (Ungerman)			
- 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: Haul Roads sprayed when needed

5. FILL LOCATION
DIKE STATION 13+00 TO 10+00

6. REMARKS ____

INSPECTOR [signature] DATE 9-15-90

REVIEWED BY [signature] DATE 9-18

FORM A-11
SHEET ____ OF ____
INSPECTION DATE 9-14-90

EROSION AND SEDIMENT CONTROL

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	____	____	____
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	____	____	____

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 1+30 TO 17+00

OTHER _____

4. REMARKS Temporary drainage ditches were excavated to drain water to either end of the site. From Sta 6+50 - Sta 1+30 water flows North. From Sta 5+50 - Sta 17+00 water flow south to the lagoon behind the NY Dike

INSPECTOR [signature] DATE 9-15-90

REVIEWED BY [signature] DATE 9/18

FORM A-11
SHEET ____ OF ____

EROSION AND SEDIMENT CONTROL

INSPECTION DATE - 9-14-90

	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 CMP installed in COE Dike Sta 1+50

4. REMARKS Sand bedding was placed underneath pipe and compacted with a jarping jack tamper. The pipe was installed at the proper elevations and sand was used to backfill around the pipe. The sand was compacted and then the Dike material excavated was used as backfill and was compacted in 1 foot max loose lifts

INSPECTOR _____ DATE 9-15-90

REVIEWED BY _____ DATE 9/18

Canonie

By EJG Date 9/13/90 Subject Density Test Results Sheet No. 5 of

Chkd. By Date Proj. No. 88-093

Test No.	24	25	26
Location	Sta. 13+50 R Uberman Clay	Sta. 14+25 R Babbit Fill	Sta. 16+00 R Babbit Fill
WD (pcf)	120.9	136.2	141.8
Method	SC	SC	SC
% M	24.5	10.2	10.2
Method	O	O	O
DD (pcf)	97.1	123.6	128.7
Date	9/13/90	9/13/90	9/13/90
Time	17:10	17:50	18:20
Elev. (Ft)	1498.7	1501.6	1503.8
Proctor Value (pcf)	96.6	125.5	128.2
Proctor #	# 5	TP-4	TP-1
Opt. Moist. (%)	24.7	10.5	10.6
% Proctor	100.5	98.5	100.4

Note: S = Speedy SC = Sand Cone
O = Oven T = Tube Density
N = Nuclear

1/4" X 1/4"

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-14-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

no levels above background/normal were found on CGI, Miniram, HNu was reading 1 ppm above background at the 8+50-20R area during drainage ditch digging

Personnel Sampling

Noal

Name	Date	IWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% O_2, 50% LEL

Miniram = ℄ bag for Zeroing

AM Activities: Placing pipe in 1700 ~~trench~~ dike area, Clay work on NW dike at 1200 area

PM Activities: digging 2'+ → 6'ft drainage trench from 2+00 - 5+00 - 40', Clay working at 12+00 Area / digging drainage along bottom of CELA on north end ≈ 10-25 south of CL.

Time: 0835, Temp ≈ 67°F, cloudy, no wind

Time: 1355, Temp ≈ 74°F, cloudy, S.E. wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/14/90 - 0830	2+50	HNU	PI101	cal = 111 ppm Isobutylene BG = 2 ppm	2 ppm	Real Time
1/14/90 - 0831	2+50	Miniram	PDM-3	Z log for Boring	0.04 mg/m3	RT
1/14/90 - 0832	2+50	CGI	261	15% O2, 50% LEL	20.2% O2, 0% LEL	RT
1/14/90 - 1410	3+50 - 35R	HNU	PI101	Same	2 ppm	RT
1/14/90 - 1401	3+50 - 35R	Miniram	PDM-3	Same	0.02 mg/m3	RT
1/14/90 - 1402	3+50 - 35R	CGI	261	Same	20.2% O2, 0% LEL	RT
1/14/90 - 1645	8+50 - 10R	HNU	PI101	Same	3 ppm	RT

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-14-90

Work Areas Checked: N of CELA
NY/dept

Employees Present in Work Areas: Grant maichele, Norm Tracy, Scott Grant, Phil Smith, Clint mckim, Bob mckim, Gail Reid, Grant Ethyge Pete Porter, Dave Dedden, Alan mullahile

Equipment Being Utilized: Trackhoe, Compactor (Chicago Pneu.), D-6 Dozer, loader, water truck, Drudle, Pogo compactor

PPE Being Utilized: level D

Accidents/Breeches of Procedures: none

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 14, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:50 / 2:41	/	
C-2 L. Dekker	6:50 / 2:41	/	
C-3 P. Porter	6:39 / 8:03	8:21 / 12:26	12:43/1:30 1:56/
C-4 A. Muellerleile	7:15 /	/	
C-5 C. Ettinger	6:43 / 11:49	12:00 / 6:07	
C-6 F. Gontowski	6:41 / 9:56	11:31 / 3:01	
C-7 C. Chang	/	/	
C-8 J. App	6:50 / 7:23	12:00 / 1:00	5:10/ 5:40
C-9 G. Lazusky	6:50 / 7:23	12:00 / 1:00	5:10/ 5:40
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:39 / 2:28	3:34 / 6:19	
C-12 C. Mckim	6:39 / 6:19	/	
C-13 G. Reid	6:39 / 6:19	/	
C-14 N. Tracy	6:45 / 5:55	/	
C-15 G. Maichele	6:25 / 12:43	12:56 / 6:30	
C-16 S. Hunt	6:23 / 6:27	/	
C-17 P. Smith	6:40 / 5:55	/	
C-18 B. Reichert	8:09 / 2:33	/	
C-19 K. Battles	6:50 / 7:23	12:00 / 1:00	5:10/ 5:40
C-20	/	/	
E-1 G. Stiles	6:48 / 8:26	9:35 / 9:42	9:48/10:02 10:05/12:16 1:00/
E-2 T. Granger	/	/	
E-3 S. Stiles	1:00 / 3:10	3:46 /	
E-4 C. Swan	6:47 / 12:26	12:56 / 1:00	1:38/1:41 2:06/
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:25 / 11:50	12:21 / 1:30	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:06 / 2:00	/	
S-4 T. Cobb	1:52 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 14, 1996

No./Name	Time In/Out		Time In/Out				
A-1	6:56/7:16	7:32/7:37	7:57/8:02	8:20/8:25	8:38/8:43	8:58/9:05	9:20/9:28
A-2	~~7~~ 8:00/7:16	7:35/7:39	7:58/8:04	8:22/8:29	8:44/8:50	9:14/9:20	9:37/9:42
A-3	7:12/7:19	7:36/7:41	8:01/8:06	8:23/8:27	8:43/8:53	9:09/9:14	9:29/9:30
A-4	7:54/8:01	8:19/8:25	8:43/8:54	10:25/10:31	10:49/10:55	11:12/11:18	11:35/11:40
A-1	9:45/9:50	10:05/10:09	10:25/10:32	10:49/10:55	11:11/11:15	11:32/11:37	11:54/12:00
A-2	9:49/9:53	9:59/10:05	~~10:08~~/10:25	10:42/10:49	11:04/11:10	11:25/11:31	11:46/11:52
A-3	10:08/10:13	10:28/10:33	10:50/10:55	11:13/11:18	11:36/11:41	12:00/12:06	12:24/12:36
A-4	11:57/12:09	12:23/12:36	12:54/1:00	1:17/			
A-1	12:17/12:23	12:45/12:52	1:08/1:14	1:32/1:40	1:57/2:04	2:20/2:26	2:44/2:49
A-2	12:09/12:16	12:36/12:44	12:58/1:05	1:20/1:26	1:45/1:51	2:07/2:14	2:30/2:36
A-3	12:54/1:00	1:17/1:24	1:43/1:47	2:03/2:09	2:28/2:33	2:52/3:01	3:21/3:26
A-4	1:17/1:24	1:42/1:47	2:03/2:09	2:27/2:33	2:52/2:58	3:17/3:23	3:29/3:34
A-1	3:05/3:11	4:16/4:21	4:38/4:43	4:59/5:04	5:20/5:26	5:45/5:51	
A-2	~~3:55~~/3:22/3:28	3:49/3:55	4:11/4:18	4:34/4:39	4:56/4:59	5:16/5:21	5:36/5:42
A-3	3:44/3:49	4:06/4:12	4:29/4:34	4:50/4:56	5:16/5:15	5:30/5:35	5:51/5:58
A-4	~~3:47~~/3:41/3:46	4:06/4:12	4:30/4:35	4:53/4:59	5:16/5:22	5:39/5:46	
A-1							
A-2							
A-3							
A-4							

A-1	Boyd Green SR	T-10	Baker Excavating
A-2	John Perkins	T-9	"
A-3	Richard Barry	T-8	"
A-4	Russ Layton	"Giant Stompen"	"

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 14, 1990

No./Name	Time In/Out		Time In/Out				Remarks
A-5	7:00/7:08	8:41/8:47	10:18/10:25	12:06/12:15	1:54/1:59	3:34/3:40	5:23/5:29
A-6	7:06/7:12	8:56/9:02	10:36/10:42	12:20/12:23	3:10/3:19	5:11/5:18	
A-7	7:16/7:23	8:55/9:02	10:30/10:42	12:20/12:46			
A-8	7:20/7:29	9:01/9:09	10:44/10:50	1232/12:46			
A-9	7:30/7:41	9:11/9:16	10:49/10:56	12:30/12:46			
A-10	8:00/8:06	9:42/9:48	11:24/11:31	1:08/1:15	~~3:09~~	2:52/2:58	4:39/4:48
C/E-5	8:01/8:07	9:44/9:50	11:27/11:34	1:12/1:17	~~2:52/2:58~~	3:09/3:16	
C/E-6	8:06/8:15	10:16/10:25	12:04/12:11	1:50/2:00	3:46/4:00		
C/E-7	8:06/8:15	10:16/10:25	12:04/12:11	1:50/2:00	3:47/4:00		
C/E-8	8:16/8:24	10:16/10:25	12:04/12:12	1:49/2:00	3:44/3:57	5:33/5:44	
C/E-9	8:26/8:34	11:31/11:36	11:53/11:59	12:16/12:22	12:40/12:50	1:08/1:13	1:31/1:38
C/E-10	8:43/8:48	10:23/10:29	12:07/12:16	1:55/2:06	3:57/4:02	5:41/5:50	
S-5	8:46/8:55	10:24/10:31	12:13/12:22	2:06/2:22	4:00/4:16	5:49/5:55	
S-6	8:51/9:04	10:41/10:49	12:25/12:40	2:08/2:21	4:00/4:16	5:51/5:58	
S-7	8:52/9:04	10:41/10:47	12:28/12:36	2:07/2:21	4:04/4:14	5:49/6:04	
C/E-9	1:55/2:00	2:19/2:24	2:46/2:52	3:09/3:16	3:38/3:43	4:04/4:10	

A-5	Diane Tingue		Preston Trucking
A-6	Dan Gibbs		"
A-7	Harold Hensel	7	KRause Construction
A-8	Loren Krause	8	"
A-9	Chris Meyers	6	"
A-10	Manley Clark		Ungerman
C/E-5	Tim Vogel		"
C/E-6	Cindy Balcom		Bliven Trucking
C/E-7	Gary Baker		Gary Baker Trucking
C/E-8	Bob Cline		Davison Trucking
C/E-9	Boyd Green JR		Green's Trucking
C/E-10	Bill Raimondi		Clint Case Trucking
S-5	Ron Lussier	D-55	De Marco Trucking
S-6	Jim De Marco		"
S-7	Jack Gardina	D-99	"

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 14, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Charlie Baker	8:33/8:40		
Vic Black	9:35/9:42	10:45/1:37	w/ G. Stiles
Robert Ackerman	10:23/10:24		Ackerman Land Survey to see J. App
Jim Brownell	12:47/12:51		Otis Eastern
Jim Ball	1:15/1:45		to see G. Stiles
Brian Pitt	1:17/1:30		Rupp Rental
Dale Zanders	2:00/2:26		Shorts oil co.
Tom Gowan C-20	2:13/4:05		Beam Clean
Fed Ex.	7:51/2:52		1pc. pickup/1pc. delivery
UPS.	2:41/2:43		2pc. pickup

P. Porter
A. Mueller-Liele
G. Stiles
S. Stiles
C. Swann
} Still working

PROJECT ENTRY PERMIT

DATE: 9-14-90 TIME IN: 6:40 am TIME OUT: 7:40 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: 9-14-90 TIME IN: 12:40 pm TIME OUT: 7:00 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: 9-14-90 TIME IN: - TIME OUT: 20:00

NAME: A. Mackie Leslie

COMPANY: Canonic

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 9-14-90 TIME IN: - TIME OUT: 20:00

NAME: P Porter

COMPANY: Canonic

BADGE No: C-3

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 13, 1990

Arrived at: 6:50 a.m.
Plan of Day:

* Complete toe trench
* Place and compact dike fill

Field Observations and Activities:

* Toe trench excavation, laying of filter fabric and placement of bedding stone and rip rap was completed on west side at approximately 2:30p.m. Backhoe consolidated rip rap into a single pile and established a working bench for start of backfill at tie in with C.O.E. dike. Placed and compacted one lift of river gravel to establish firm working surface. Followed with one lift of Babbit clay. Remainder of bench will be brought up with Babbit clay.

* Continued placement of dike fill from Babbit and Ungerman pits. Ungerman clay running very wet (4% to 5% over optimum). Several loaded trucks got stuck in fill. Material appears poorly compacted. Test taken at end of shift appears doubtful. Babbit clay is near optimum moisture and very stable. Expect passing density test taken at end of shift. Contractor sealed all clay surfaces with smooth drum clay surfaces with smooth drum roller prior to leaving site. Worked untill 6:30 p.m.

* Surveyors continued setting stakes on east bank.

* Left site at 6:45 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 13, 1990

Arrived at: 6:25 a.m.

Plan of Day:
* Place clay - Baker on NY dike.
* Place clay - Ungerman Sta. 8+00 to 11+00.
* Continue toe trench.

Jim Drummond, NYDEC, visited the site.
* Wanted briefed on removing bar - agreed with our approach. He thought we should seine river just prior to closing - I agreed.
* Had question about tar that we encountered. He asked for copy of lab report.

Weekly Meeting
* See "Notes"

Gave Dave permission to remove trees from river.

RECEIVED
SEP 17 1990

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

EBASCO / ARCO

DATE: 9-13-90 DAY: Thursday HRS.WRK. 10hrs REPORT NO. 74

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. 0-5 Dir. S.E.

PRECIPITATION: None HUMIDITY: Med RIVER EL: AM - PM 4.48

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 1
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		Offsite Repairs.		
Hertz Wtr. Trk	10			
ACPR.		stand-by		
Chipper		Stand-by		
Generator / Steam Gerney		Stand-by		
½ ton pick-up		Offsite Repairs		
mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Receiving both Ungerman and Babbitt dike fill today. Placement (Ungerman sta 14+00 - sta (2+00) & (Babbitt sta 16+50 - sta 14+00). Complete Toe Trench and possibly start installing CMP Through COE Dike at ~ Sta 14+30

SAFETY Same as yesterday. Keep good construction safety guidelines. Keep site clean.

SCHEDULED Regular Thursday meeting. Minutes to be submitted 3 days latter.

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 # 204 (Strip out E. Bank)

RIVER (Any activity performed in water or gravel bar)
Toe Trench excavation and placement of Toe Trench materials.

OTHER Started to install CMP through COE Dike at ~ Sta 14+30

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 (Ungerman)	CY	675
CONTNTD	CY		GEOTEXTILE FAB	SY	433.33
EXCAVATION			BEDDING MATRL	CY	26.6
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	183.1
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		• Clay Fill (Babbitt)		1185 cy
TOE TRENCH EXCAV.			•		
CLEAN MATRL.	CY	91.1	•		
WASTE MATRL.	CY		•		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~	48.48 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL (Ungerman)	CY	675	ROAD AGGRTS.	TON	
MISC. Clay Fill (Babbitt)		1185 cy	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)

Const. Baseline Layout

Cross-section Rt side (sta 2+00 - sta 5+50)

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	2+50 - 3+00	A-3	Excav. To Trench		X	
2	16+50 - 14+00	A-5	Clay (Babbitt)		X	
3	14+00 - 12+00	A-5	Clay (Ungerman)		X	
4	2+35 - 3+00	A-6	Geotextile		X	
5	2+33 - 3+00	A-7	Bedding		X	
6	2+33 - 3+00	A-8	Rip Rap		X	
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Tests performed on Clay. Both Babbitt and Ungerman Clay. Tests were performed by Sand cone, Speedy moisture and oven dry due to calibration problem with Nuclear Density Meter.

TECHINICAL CONCERNS/PROBLEMS:

Was not able to achieve a passing standard count on the Nuclear Density Meter. Will phone Troxler 9-14-90 to correct the problem.

PAGE: ____ OF ____

HEALTH & SAFETY 9-13-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	7, 1, 4	70, 6, 4
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1242	2+75	HNu	Real Time	1 ppm
2	1243	2+75	Miniram	RT	0.00 mg/m³
3	1244	2+75	CGI	RT	19.8% O₂, 0% LEL
4	1515	2+50	HNu	RT	1 ppm
5	1517	2+50	Miniram	RT	0.00 mg/m³
6	1518	2+50	CGI	RT	20.7% O₂, 0% LEL
7	1525	13+00	HNu	RT	1 ppm
8	1526	13+00	Miniram	RT	0.00 mg/m³
9	1527	13+00	CGI	RT	20.6% O₂, 0% LEL
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0850	N of CELA	3/Trackhoe, loader	D	None
2	1300	NY Lube	2/Dozer, compactor	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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 September 13, 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: 9-13-90 HOURS ON SITE: 10hrs
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)
- placement of imported clay for Dike Fill.
  - Ungerman (Sta 14+00 - Sta 12+00)
  - Babbitt (Sta 16+50 - Sta 14+00)
- Testing completed at End of Day and was performed by sand cone, speedy moisture and oven dry
- Results will be submitted in monday's daily report (9-17-90)

Act ID # 608 (Construct W. Bank Toe Trench)
- Completed Toe Trench on W. Bank according to the Contract Drawings (Sta 3+00 - Sta 16+00) and the New alignment (Sta 0+00 - Sta 3+00)
- Remaining toe trench is tie in at NY Dike Sta 16+00 - Sta 17+00
- Placement of all materials is according to the Contract Drawings and New alignments

OTHER:
Started to install CMP through COE Dike at ~ Sta 1+50. Excavation is complete and placement of pipe will be completed 9-14-90

(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 6

EXCAVATION FOR ~~KEY TRENCH~~/
TOE PROTECTION TRENCH

INSPECTION DATE 9-13-90

	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. New Alignment	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS. Not visible	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 2+50 TO 3+00

4. REMARKS Bottom of Toe trench excavation is cobble stone. Excavation was according to the New alignment between sta 0+00 and sta 3+00. The Toe Trench excavation was verified by using the cut shown on the toe stake and checking the cut by using the water level. Toe Trench (W Bank) is complete and meets the Contract Drawings and the New alignment from sta 0+00 to sta 3+00. Toe Trench Tie in to NY Dike (sta 16+00 - sta 17+00) has yet to be completed.

INSPECTOR _____ DATE 9-14-90

REVIEWED BY _____ DATE 9-17

FORM A-5
SHEET 2 OF 6

FILL MATERIAL ABOVE WATER SURFACE

INSPECTION DATE 9-13-90

	ACCEPT	REJECT	N/A
1. MATERIAL (Babbitt Dike Fill)			
- 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: Haul Roads sprayed when needed

5. FILL LOCATION
DIKE STATION 16+50 TO 14+00

6. REMARKS

INSPECTOR Robert E Porter DATE 9-14-90

REVIEWED BY 9.17 DATE

FORM A-5
SHEET 3 OF 6

FILL MATERIAL ABOVE WATER SURFACE

INSPECTION DATE 9-13-90

	ACCEPT	REJECT	N/A
1. MATERIAL (Ungerman Dike Fill)			
- 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: Haul Roads sprayed when needed.

5. FILL LOCATION
DIKE STATION 14+00 TO 12+00

6. REMARKS

INSPECTOR Peter F Porter DATE 9-14-90

REVIEWED BY AA DATE 9/17

FORM A-6
SHEET 4 OF 6
INSPECTION DATE 9-13-90

GEOTEXTILE

	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. New Alignment	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 2+35 TO 3+00

5. REMARKS Geotextile was placed by floating the fabric across the water and sinking it by placing a pipe across the fabric in the center of the toe trench. Method was approved by Ebasco. Geotextile was placed according to the Contract Specs and Drawings with required overlap

INSPECTOR Peter J Fox DATE 9-14-90

REVIEWED BY [signature] DATE 9.17

FORM A-7
SHEET 5 OF 6
INSPECTION DATE 9-13-90

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 2+33 TO 3+00

5. REMARKS Bedding was checked by subtracting 4" from the measurement excavation and using the water level to verify the correct placement of the bedding.

INSPECTOR _____ DATE 9-14-90

REVIEWED BY _____ DATE 9.17

FORM A-8
SHEET 6 OF 6
INSPECTION DATE 9-13-90

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			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 2+33 TO 3+00

5. REMARKS Rip Rap was checked by sounding with the bucket on the 235 Cat Trackhoe and will be verified by the surveyors when the water clears. Rip Rap placement in the Toe Trench is complete and will be verified for correct placement and thickness the week of 9-17-90.

INSPECTOR _____ DATE 9-14-90

REVIEWED BY _____ DATE 9.17

9/13/90

Alfred Atlas Gravel & Sand Corporation

Box 1195
Alfred Station, New York 14803

R.M. Campbell, Pres.
D.E. Rase, Vice Pres.
G.R. Moore, Mgr.

Area Code 607
Plant 587-9494
Office 587-8686

Bedding Material

Sieve Size	% Passing
4"	100 %
1"	56 %
1/4"	17 %
#4	6 %

G R Moore

on the N.Y. dike

PM Activities: same as morning

Time: 1240, Temp ≈ 80°F, Sunny, S.E wind

Time: 1525, Temp ≈ 82°F, Sunny, S.E wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/13/90-1242	2+75	HNu	PI101	Cal=111ppm Isobutylene		
1/13/90-1243	2+75	Miniram	PDM-3	Bg=1 ± 5ug for zeroing	1ppm	Real Time
1/13/90-1244	2+75	CGI	261	15% O_2, 50% LEL	0.00mg/m³	RT
1/13/90-1515	2+50	HNu	PI101	same	19.8% O_2, 0% LEL	RT
1/13/90-1517	2+50	Miniram	PDM-3	same	1ppm	RT
1/13/90-1518	2+50	CGI	261	same	0.00mg/m³	RT
1/13/90-1525	13+00	HNu	PI101	same	20.7% O_2, 0% LEL	RT
1/13/90-1526	13+00	Miniram	PDM-3	same	1ppm	RT
1/13/90-1527	13+00	CGI	261	same	0.00mg/m³	RT
					20.6% O_2, 0% LEL	RT

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-13-90

Work Areas Checked: N. of CELA
NW dike

Employees Present in Work Areas: Dail Reid, Scott Hunt, Phil Smith, Norm Tracy, Grant Mackele, Bob Mckim, Clint Mckim, Hunt Stroyer, Pete Potts, Frank Gontowski, Allen Mullerlile

Equipment Being Utilized: Trackhoe, loader, D-6 Dozer, Compactor, Grader water truck, roller

PPE Being Utilized: level D

Accidents/Breeches of Procedures: none

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-13-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

No levels were found above background/normal on the HNu, CGI, Miniram during Toe trench and clay work

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

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 13, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:46/12:36	1:33/3:47 4:10/	
C-2 L. Dekker	6:46/	/	
C-3 P. Porter	6:46/9:27	9:52/3:29 3:55/	
C-4 A. Muellerleile	7:04/11:05	1:21/	
C-5 C. Ettinger	6:54/[illegible]11:55	12:[illegible]/5:33	
C-6 F. Gontowski	6:24/7:58	8:28/9:27 3:09/3:47 4:10/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:55/9:24	12:00/1:54 5:00/5:31	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:45/11:59	2:11/6:27	
C-12 C. Mckim	6:41/6:27	/	
C-13 G. Reid	6:45/6:29	/	
C-14 N. Tracy	[illegible]:53/6:27	/	
C-15 G. Maichele	6:23/6:33	/	
C-16 S. Hunt	6:18/6:33	/	
C-17 P. Smith	6:42/6:03	/	
C-18 B. Reichert	9:57/12:36	1:33/[illegible]9	
C-19 K. Bartles	6:55/9:24	12:00/1:54 5:00/5:31	
C-20	/	/	
E-1 G. Stiles	6:28/12:00	12:32/3:45 4:14/6:35	
E-2 T. Granger	~~12:32/[illegible]2:45~~	/	
E-3 S. Stiles	12:32/6:35	/	
E-4 C. Swan	6:54/12:11	12:49/2:45 4:[illegible]10/6:43	
E-5 J. Drum (DEC)	11:55/1:47	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:43/1:30	/	
C/E-2 ~~J. Drummond~~	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	12:31/12:32	/	
S-3 Jerry Palmer	6:00/2:00	/	
S-4 T. Cobb	1:54/7:00	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 13, 1990

No./Name	Time In/Out		Time In/Out			Remarks
Bakers Excavating						
A-2 7:11/7:17	7:32/7:38	7:53/7:58	8:16/8:21	8:38/8:43	9:00/9:05	9:24/9:27
A-4 7:17/7:25	7:37/7:41	7:57/8:02	8:18/8:23	8:40/8:45	9:02/9:07	9:25/9:31
A-5 7:24/7:31	7:45/7:51	8:08/8:15	8:23/8:38	8:53/8:59	9:17/9:24	9:41/9:47
A-7 7:27/7:32	7:50/7:56	8:12/8:18	8:35/8:41	8:38/9:06	9:24/9:29	9:46/9:52
A-2 9:45/9:50	10:04/10:15	10:27/10:32	10:48/10:53	11:09/11:14	11:30/11:35	11:52/11:58
A-4 9:49/9:54	10:10/10:16	10:34/10:40	10:58/11:03	11:19/11:25	11:41/11:48	12:08/12:13
A-5 10:04/10:11	10:28/10:35	10:49/10:55	11:11/11:18	11:34/11:40	12:00/12:05	12:15/12:20
A-7 10:09/10:11	10:32/10:36	10:55/11:02	11:18/11:24	11:40/11:47	12:04/12:11	~~12:21~~
A-2 12:35/12:40	12:57/1:02	1:18/1:26	1:41/1:47	2:05/2:10	2:27/2:33	2:50/2:55
A-4 12:28/12:33	12:51/12:57	1:17/1:22	1:39/1:46	2:01/2:07	2:24/2:30	2:46/2:52
A-5 12:22/12:29	12:46/1:54	1:07/1:12	1:30/1:36	1:53/1:58	2:16/2:23	2:40/2:45
A-7 12:25/12:32	12:51/12:57	1:15/1:20	1:38/1:43	2:00/2:05	2:23/2:29	2:45/2:51
A-2 3:11/3:17	3:33/3:39	3:56/4:02	4:16/4:23	4:40/4:44	5:06/5:12	5:28/5:33
A-4 3:10/3:16	3:32/3:38	3:54/4:00	4:17/4:22	4:39/4:44	5:00/5:05	5:24/5:30
A-5 3:06/3:12	3:24/3:29	3:45/3:52	4:09/4:16	4:31/4:37	4:53/4:59	5:16/5:26
A-7 3:07/3:14	3:28/3:34	3:52/3:57	4:16/4:20	4:35/4:40	4:56/5:03	5:19/5:29
A-2 5:50/5:57						
A-4 5:47/5:57						
A-5 5:43/5:57						
A-7 5:45/5:57						
A-2						
A-4						
A-5						
A-7						

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 13, 1990

No./Name	Time In/Out	Time In/Out	Time In/Out	Time In/Out	Time In/Out	Time In/Out	Remarks
A-1	7:11/7:17	8:46/8:53	10:31/10:36	12:15/12:20	1:56/2:01	3:39/3:45	5:26/5:33
A-3	7:17/7:26	8:58/9:03	10:37/10:45	12:20/12:26	2:01/2:07	3:45/3:51	5:36/5:44
A-8	7:31/7:35	9:17/9:24	11:04/11:09	12:43/1:51	2:41/2:48	4:56/5:10	
A-9	7:31/7:35	9:17/9:24	11:00/11:09	12:43/1:51	2:41/2:48	4:56/5:10	
A-10	8:06/8:12	9:47/9:54	11:27/11:35	1:10/1:15	2:50/2:55	4:41/4:51	
S-2	8:12/8:20	9:55/10:03	11:35/11:40	1:13/1:19	2:52/3:02	4:42/4:51	
S-6	8:53/8:58	10:31/10:36	12:09/12:16	1:49/1:55	3:32/3:38	5:16/5:22	
A-6	9:20/9:26	10:28/10:45	2:16/2:21	2:40/2:45	3:05/3:11	3:28/3:33	3:51/3:57
A-1							
A-3							
A-8							
A-9							
A-10							
S-2							
S-6							
A-6	4:14/4:20	4:39/4:43	5:00/5:05	5:19/5:27	5:45/5:52		
A-6 II	4:05/4:14	[illegible]	5:54/6:10				

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 13, 1990

No./Name		Time In/Out	Time In/Out	Remarks
A-1	Diane Tingue	Preston Trucking		
A-2	John Perkins	Baker Excavating		
A-3	Dan Gibbo	Preston Trucking		
A-4	Richard Barry	Baker Excavating		
A-5	Russ Layton	"		
A-7	Boyd Green, Sr.	"		
A-8	Cindy Bakon	Bliven Trucking		
A-9	Gary Baker	Gary Baker Trucking		
A-10	Tim Vogel	Ungerman		
S-2	Manley Clark	"		
S-6	Bill Raimondi	Clint Case		
A-6	Boyd Green Jr.	Green's Trucking		
E-6	Bob Cline	Harrison Trucking		
UPS		10:13	10:15	2 piece delivery
Joe Karpinski C-20		11:11	1:55	KEX/Copysource
Rick Scutt		11:22	11:58	Shorts Oil Co.
Charlie Baker ~~Brothers~~		2:15	2:20	to see pete porter & Styles
Fed Ex		2:35	2:38	re delivery/pu. pickup
UPS		3:49	3:49	

D. DEKKER
L. DEKKER
A. Muellerleile
F. Gontowski
B. Reichert
P. Porter
} Still working

PROJECT ENTRY PERMIT

DATE: 9-13. TIME IN: _____ TIME OUT: 8:00 pm.

NAME: Dave Dekker

COMPANY: Connie

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 9-13. TIME IN: _____ TIME OUT: 8:00 pm.

NAME: Bob Reichert

COMPANY: Connie

BADGE No: C-18

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

PROJECT ENTRY PERMIT

DATE: 9-13. TIME IN: _____ TIME OUT: 8:00 pm.

NAME: LaVonne Dekker

COMPANY: Connie

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 9-13-90 TIME IN: - TIME OUT: 8:10 am

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 9-13-90 TIME IN: - TIME OUT: 7:55

NAME: A Mellar Iello

COMPANY: Canonie

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 9-13-90 TIME IN: — TIME OUT: 8:00 am

NAME: P. Porter

COMPANY: Canonie

BADGE No: C-3

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 12, 1990

Arrived at: 6:45 a.m.
Plan of Day:
*Complete toe trench.
*Continue dike fill with material from Babbit Pit.
*Set control stakes on east side.

Field Observations and Activities:
Continued toe trench excavation and placement of filter fabric, bedding stone and rip rap. Excavation depths checked by sounding with level rod.

Continued dike fill placement with material from Babbit Pit. Fill is being spread and compacted in lifts of less than one (1) foot. Three compaction tests taken toward end of shift to make up lack of testing on previous day (could not test Babbit material as lift placed previous day was mixed with Ungerman clay.

Surveyors setting control stakes on east side.
No rip rap was hauled as there is no place to put it without major double handling. Rip rap continued to be made and stockpiled in quarry.

Left site at 6:30pm.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 12, 1990

Arrived at 6:50 a.m.
Plan of Day
* Place Baker clay
* Construct toe trency at USCOE dike area.

Gave Dave D. boot leg copy of field drawing of east bank dike changes.

Dave D. wants to know where to put excavated toe trench material. I met him at the impoundment by NY dike. He can put more material in this area, so will continue.

Reviewed telephone invoice with Dave D. and LaVon - agreed will send for payment.

RECEIVED
SEP 17 1990
EBASCO / ARCO

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

DATE: 9-12-90 DAY: Wednesday HRS.WRK. 10hrs REPORT NO. 73

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. 0-5 Dir. SE

PRECIPITATION: None HUMIDITY: Med. RIVER EL: AM 4.52 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 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		Stand-by		
" 12G	10			
(Sheep) Compactor	10			
(Smooth) "		Ready for Removal From Site		
Canonie Wtr. Trk		off site for Repairs		
Hertz Wtr. Trk	10			
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Gerny		Stand-by		
1/2 ton pickup		offsite	Repairs	
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Babbitt Dike Fill coming today. Place on NY Dike (sta 22+31 - sta 16+00). Con't Toe Trench excavation.

SAFETY Trucks coming today, watch what is going on. Wear life Vests in water.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 601 (Raise NY Dike)
608 (Construct W. Bank Toe Trench)
605 (Place W. Bank Rip Rap Protection)

EAST BANK # 204 (Stake out E. Bank)

RIVER (Any activity performed in water or gravel bar)
Toe Trench excavation / construction.

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 (Rabbit)	CY	828
CONTNTD	CY		GEOTEXTILE FAB	SY	606.7
EXCAVATION			BEDDING MATRL	CY	36.1
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	202.3
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	207.2	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~	81.91 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL (Rabbit)	CY	828	ROAD AGGRTS.	TON	
MISC.			MISC. #1 & #2		49.43 tons

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

MATERIALS LEAVING SITE: No

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)

E. Bank Const. Baseline layout

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1		1+50 - 2+50	A-3	Excav.	Tar Trench	X	
2		22+00 - 16+00	A-5	Clay (Babbitt)		X	
3		1+41 - 2+35	A-6	Geotextile		X	
4		1+41 - 2+38	A-7	Bedding		X	
5		1+41 - 2+33	A-8	Rip Rap		X	
6							
7							
8							
9							
10							

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

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

COMMENTS Test performed on Babbitt Dike Fill. - Results are included for 9-11-90 moisture Tests and 9-12-90 density and moisture tests.

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 9-12-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	7, 1, 2, 1	70, 5, 4, 1
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0955	2+00	HNu	Real Time	1 ppm
2	0956	2+00	Miniram	RT	0.00 mg/m³
3	0958	2+00	CGI	RT	20.1% O_2, 0% LEL
4	1007	5+00	HNu	RT	1 ppm
5	1008	5+00	Miniram	RT	0.00 mg/m³
6	1009	5+00	CGI	RT	20.1% O_2, 0% LEL
7	1610	2+50	HNu	RT	1 ppm
8	1611	2+50	Miniram	RT	0.00 mg/m³
9	1612	2+50	CGI	RT	20.2% O_2, 0% LEL
10	1645	20+50	HNu	RT	1 ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1030	N. of CELA	4/dozer, loader	D	None
2	1630	NY dike (20+00)	2/dozer, compactor	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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:

N/o accidents or incidents to report today September 12, 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: 9-15-90 | 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

At ID # 601 (Raise NY Pike)
- Imported ~828 cy Babbitt Pike Fill
- Placed ~ Sta 22+00 - Sta 16+00
- Placed in 1' max loose lifts and compacted to meet contract specifications density.
- Tests performed passed. ~~Results entered after inspection reports.~~

ID # 608 (Construct W. Bank Toe Trench)
- completed toe trench from sta 1+41 - sta 2+33
- Toe Trench conforms with new alignment between sta 0+00 and sta 3+00.

ID # 605 (Place W. Bank Rip Rap Protection)
- placed stockpiled Rip Rap in toe trench according to the contract drawings.

(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 9-12-90

	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. New Alignment (0+00 - 3+00)	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS. Not visible	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 1+50 TO 2+50

4. REMARKS Bottom of Toe Trench is cobble stone. Excavation of Toe Trench was verified by using the cut shown on the toe stakes and the water level

INSPECTOR _____ DATE 9-13-90

REVIEWED BY _____ DATE 9.17

FORM A-5
SHEET ____ OF ____

FILL MATERIAL ABOVE WATER SURFACE

INSPECTION DATE 9-12-90

	ACCEPT	REJECT	N/A
1. MATERIAL (Babbitt Dike Fill)			
- 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 22+00 TO 16+00

6. REMARKS _____

INSPECTOR [signature] DATE 9-13-90

REVIEWED BY [signature] DATE 9/17

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 9-12-90

GEOTEXTILE

	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. New Alignment	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 1+41 TO 2+35

5. REMARKS Geotextile was placed by floating the fabric across the water and sinking it by placing a pipe across the fabric in the center of the toe trench. The fabric sunk evenly and the 24" over lap was achieved.

INSPECTOR Robert L Poole DATE 9-13-90

REVIEWED BY [illegible] DATE 9-17

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 9-12-90

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 1+41 TO 2+33

5. REMARKS The bedding was checked by subtracting 4" from the excavation measurement and using the water level to verify the correct placement of the bedding.

INSPECTOR _____ DATE 9-13-90

REVIEWED BY _____ DATE 9.17.90

FORM A-8
SHEET ____ OF ____

RIP RAP

INSPECTION DATE 9-12-90

	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 1+41 TO 2+33

5. REMARKS Rip Rap was checked by sounding with the bucket on the 235 Cat Hoe and will be verified by the surveyors when the water clears and the Toe Trench is completed.

INSPECTOR _____ DATE 9-13-90

REVIEWED BY _____ DATE 9/17

Canonie

By EJG Date 8/31/90 Subject Density Test Results Sheet No. 4 of

Chkd. By Date Proj. No. 88-093

Test No.	(17)	(18)	(19)	(20)	(21)	(22)	(23)
Location	Sta. 13+00 ℄	Sta. 11+25 ℄	Sta. 9+25 Left Edge	Sta. 12+75 Left Edge	Sta. 18+15 ℄ Basalt Fill	Sta. 19+10 ℄ Basalt Fill	Sta. 20+20 ℄ Basalt Fill
WD (pcf)	121.1	121.9	122.0	121.4	139.8	141.3	139.1
Method	N	N	N	N	N	N	N
% M	28.3	28.3	26.0	25.6	10.4	10.1	10.0
Method	S	O	O	O	O	N	O
DD (pcf)	97.4	95.0	96.8	96.7	126.6	128.3	126.5
Date	8/30/90	8/31/90	9/4/90	9/4/90	9/12/90	9/12/90	9/12/90
Time	18:40	14:45	17:05	17:40	13:55	17:45	18:00
Elev. (Ft)	1494.3	1493.2	1496.6	1493.9	1505.1	1505.2	1506.7
Proctor Value (pcf)	96.6	100.1	100.1	96.6	126.5	128.2	128.2
Proctor #	5	6	6	5	TP-2	TP-1	TP-1
Opt. Moist. (%)	24.7	24.8	24.8	24.7	10.5	10.6	10.6
% Proctor	97.7	94.9	96.7	100.1	100.1	100.1	98.7

1/4" X 1/4"

Note: S = Sandy SC = Sand Cone
O = Other T = Tube Density
N = [illegible]

Canonie

By FJG Date _____ Subject % < # 200 Sieve Data Sheet No. A of _____

Chkd. By _____ Date _____ Partial River Channelization Proj. No. 88-093

1/4" X 1/4"

Sample #	G-1	G-2	G-3 (12)	G-4 (14)	G-5 (16)	G-6 (17)	G-7 (18)
Location	Sta. 16+00 R	Sta. 18+00 R	Sta. 19+00 R El. 1302.4	Sta. 19+00 R El. 1302.4	Sta. 10+00 L El. 1296.2	Sta. 13+00 ℄ El. 1294.3	Sta. 11+25 ℄ El. 1296.2
Date	8/21/90	8/21/90	8/21/90	9/5/90	9/5/90	9/5/90	9/11/90
Tare #	(4)	(4)	(2)	(3)	(1)	(4)	(7)
Tare Wt. (g)	98.3	98.3	88.4	90.0	90.5	88.3	13.2
Wet Soil + Tare (g)	500.8	410.3	376.1	363.2	293.8	264.0	255.2
Dry Soil + Tare (g)	412.8	342.3	319.7	306.1	250.9	226.8	201.9
Moisture (%)	27.1	26.8	24.4	25.3	26.8	28.3	28.3
Dry Soil + Tare (g) After Washing	88.4	92.89	100.0	97.0	91.4	90.0	18.9
% < # 200 Sieve (%)	99.97	98.2	95.0	96.8	99.4	98.8	97.0

Canonie

By FJG Date _____ Subject % < # 200 Sieve Data Sheet No. B of _____

Chkd. By _____ Date _____ Partial River Channelization Proj. No. 88-093

1/4" X 1/4"

Sample #	Location	Date	Tare #	Tare Wt. (g)	Wet Soil + Tare (g)	Dry Soil + Tare (g)	Moisture (%)	Dry Soil + Tare (g) After Washing	% < # 200 Sieve (%)
G-8 (20)	Sta. 12+75 Far Left El. 1493.9	9/11/90	(2)	88.4	368.9	311.4	25.6	89.3	99.6

[redacted] working on the south X.Y dike.

PM Activities: Same as mornings

Time: 0953, Temp ≈ 73°F, Sunny, slight S.E wind

Time: 1500, Temp ≈ 80°F, Hazy, slight N.W wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
9/12/90-0955	21+00	HNu	PI101	Cal = 11 ppm Isobutylene 8gf 1 ppm	1 ppm	Real Time
9/12/90-0956	21+00	Miniram	PDM-3	2-bag for zeroing	0.00 mg/m³	RT
9/12/90-0958	21+00	CGI	261	15% O_2, 50% LEL	20.1% O_2, 0% LEL	RT
9/12/90-1007	5+00	HNu	PI101	Same	1 ppm	RT
9/12/90-1008	5+00	Miniram	PDM-3	Same	0.00 mg/m³	RT
9/12/90-1009	5+00	CGI	261	Same	20.1% O_2, 0% LEL	RT
9/12/90-1610	2+50	HNu	PI101	Same	1 ppm	RT
9/12/90-1611	2+50	Miniram	PDM-3	Same	0.00 mg/m³	RT
9/12/90-1612	2+50	CGI	261	Same	20.8% O_2, 0% LEL	RT
9/12/90-1645	20+50	HNu	PI101	Same	1 ppm	RT
9/12/90-1646	20+50	CGI	261	Same	20.2% O_2, 0% LEL	RT
9/12/90-1647	20+50	Miniram	PDM-3	Same	0.00 mg/m³	RT

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-12-90

Work Areas Checked: N of CELA
N.Y. duke

Employees Present in Work Areas: Jack Reid, Bob Meckim, Clint Meckim, Scott Hunt, Grant Maichele, Norm Dorcy, Phil Smith, Slant Ethinger, Pete Porter, Allen Mullendite, Dave Dekker

Equipment Being Utilized: Trackhoe, loader, D-6 dozer, Grader, Compactor

PPE Being Utilized: Level D

Accidents/Breeches of Procedures: none

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-12-90

Equipment: HNu, CGI, miniram

Real-Time Air Monitoring Results and Work Area

All levels were at background/normal on the HNu, CGI, and Miniram during the trench work and clay work

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% O_2, 50% LEL

miniram = Z-bag for zeroing

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 12, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:45/12:03	12:50/1:15	1:56/
C-2 L. Dekker	6:45/12:03	12:50/	
C-3 P. Porter	6:36/8:29	8:55/4:45	5:00/
C-4 A. Muellerleile	6:55/12:03	1:45/	
C-5 C. Ettinger	6:50/11:47	12:00/5:35	
C-6 F. Gontowski	6:17/9:58	10:16/12:03	1:45/1:00 1:45/6:29
C-7 C. Chang	/	/	
C-8 J. App	6:50/3:34	5:19/5:37	
C-9 G. Lazusky	6:50/8:13	12:00/3:34	5:19/5:37
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:42/5:30	/	
C-12 C. Mckim	6:40/5:30	/	
C-13 G. Reid	6:36/5:30	/	
C-14 N. Tracy	6:42/5:30	/	
C-15 G. Maichele	6:26/6:00	/	
C-16 S. Hunt	6:23/7:18	7:35/8:00	8:14/10:10 10:25/6:00
C-17 P. Smith	6:42/5:30	/	
C-18 K Bartels	6:50/8:13	12:00/3:34	5:19/5:37
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:49/11:00	12:06/	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:06/	/	
E-4 C. Swann	6:52/12:08	1:04/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:20/10:18	10:38/11:49	12:00/1:17
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	11:58/12:00	/	
S-3 Jerry Palmer	6:00/2:00	3:32/3:33	
S-4 T. Cobb	11:11/11:28	1:55/	
S-5 A. Fox	3:51/3:51	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 12, 1990

No./Name	Time In/Out		Time In/Out				
A-1	7:20/7:26	7:39/7:42	8:20/8:24	8:42/8:46	9:05/9:07	9:24/9:30	9:48/9:51
A-2	7:17/7:22	7:45/7:53	8:00/8:04	8:30/8:33	8:49/8:53	9:09/9:12	9:31/9:34
A-3	7:55/8:00	8:20/8:26	8:44/8:49	9:06/9:11	9:28/9:33	9:48/9:54	10:09/10:14
A-4	8:16/8:37						
A-5	9:03/5:31						
A-6	11:24/11:35	1:47/12:55	1:54/2:03	3:17/3:32			
~~Russ Layton~~ A-7		3:01/3:06	3:27/3:31	3:48/3:53	4:10/4:16	4:34/4:41	4:59/5:03
A-1	10:08/10:12	10:28/10:31	10:47/10:50	11:01/11:11	11:29/11:32	11:47/11:51	12:07/12:12
A-2	9:51/9:55	10:12/10:15	10:32/10:37	10:53/10:58	11:13/11:17	11:34/11:37	11:53/11:57
A-3	10:31/10:36	10:51/10:54	11:09/11:14	11:29/11:35	11:54/11:55	12:13/12:17	12:33/12:38
A-4							
A-5							
A-6							
A-7	5:19/~~5:23~~	5:23					
A-1	12:29/12:35	12:54/1:00	1:15/1:20	1:33/1:39	1:47/1:58	2:13/2:19	2:35/2:41
A-2	12:15/12:20	12:37/12:41	12:58/1:04	1:20/1:25	1:40/1:45	1:59/2:03	2:19/2:23
A-3	12:54/1:02	1:17/1:22	1:38/1:43	1:57/2:03	2:17/2:22	2:37/2:42	3:01/3:05
A-4							
A-5							
A-6							
A-1	3:01/3:03	3:20/3:23	3:42/3:45	4:03/4:08	4:25/4:35	4:51/4:55	5:12/5:16
A-2	2:39/2:43	3:01/3:05	3:23/3:26	3:44/3:47	4:04/4:09	4:26/4:32	4:48/4:53
A-3	3:25/3:29	3:46/3:50	4:05/4:12	4:28/4:39	4:54/4:58	5:13/5:19	
A-4							
A-5							
A-6							

A-1			
A-2	5:08/5:12		
A-3			
A-4			
A-5			
A-6			

A-1	Boyd Green	T-10	Baker Excavating
A-2	John Perkins	T-9	"
A-3	Richard Barry	T-8	"
A-4	Tim Vogel		Ungerman
A-5	Manley Clark		"
A-6	Boyd Green Jr.		Green's Trucking
A-7	Russ Layton		Baker Excavating

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: ~~September~~ 12, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Norm Ungerman	8:08/8:48		to see D. Dekker
Dale Zanders	8:42/9:05		Shorts Oil Co.
UPS	10:20/10:24		2 piece delivery
Charlie Baker	10:24/11:00		to see F. Gantowski
Tammy Worthington	1:50/1:58		Shawley Office Equip
Fed EX	3:08/3:09		1pc pickup/1pc delivery
Tom Gowan	3:53/6:00		Beam Clean
UPS.	3:57/4:01		3pc. pickup

D. DEKKER
L. DEKKER
B. Porter
A. Mueller/Mile
~~F. Gantowski~~
S. Stiles
S. Stiles
C. Swann

Still working

PROJECT ENTRY PERMIT

DATE: 9-12 TIME IN: _____ TIME OUT: 7pm.

NAME: David Dekker

COMPANY: Connie

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 9-12-90 TIME IN: 6:50AM TIME OUT: 7:15 p.m.

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: 9-12-90 TIME IN: 12:00N. TIME OUT: 7:00 pm.

NAME: Sue Stiles

COMPANY: EBASCO

BADGE No: E-3

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

COPY PROJECT ENTRY PERMIT

DATE: 9-12-90 TIME IN: - TIME OUT: 6:35

NAME: A. Mueller Leike

COMPANY: Canonie

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 9-12-90 TIME IN: - TIME OUT: 6:35

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: 9-12 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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 11, 1990

Arrived at 6:40 a.m.
Plan of Day
* Place Baker clay on NY dike
* Construct toe trench
* Dry spread surface

Frank G. came about soil test for determining fertilizer requirements. I told him to take all he needs. Also, suggested he look at the state soil conservation letter on this subject.

Met with Dave D. and Alan M on invoice. Completed and agreed on changes. They will rewrite and issue for payment.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 11, 1990

Arrived at: 2:00p.m.
a.m. enroute from Greensboro

Field Observations and Activities:

Inspected Ungerman pit. Excavated surfaces wet with small ponds of water. Pit down due to wet conditions. (Both in pit and on fill)

Hauling, spreading and compacting gravelly clay from Babbit pit stockpiles. All material was processed through a 2 inch screen to reduce gravel content and remove over-sized particles. This material has lower plasticity, and is less sensitive to moisture than Ungerman clay. Material is running at near, or slightly below, optimum moisture content as compared to the Ungerman clay which was running 2% to 4% over optimum in the pit.

Continued to work on toe trench near C.O.E. dike. Conditions very wet for trucks.

Left site at: 6:30 p.m.

RECEIVED
SEP 17 1990
EBASCO / ARCO

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

DATE: 9-11-9 DAY: Tuesday HRS.WRK. 10hrs REPORT NO. 72

WEATHER INFORMATION:

TEMPERATURE: High 90 Low 60 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: High RIVER EL: AM 4.6 PM 4.58

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

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) "		Ready for Removal off site		
Canonie Wtr. Trk		Offsite for Repairs		
Hertz Wtr. Trk	10			
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
1/2 ton pickup		Offsite for Repairs		
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Place Babbitt Dike Fill on NS Dike after scrapping off top 2" of saturated clay. Con't work on Toe Trench

SAFETY Remember No Smoking or eating on site on the east bank. Wear correct safety equipment

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Act ID # 601 (Raise NS Dike)
608 (Construct W. Bank Toe Trench)

EAST BANK Act. # 204 (Stake out E. Bank)

RIVER (Any activity performed in water or gravel bar)
Toe Trench Excavation

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 (Babbitt)	CY	609
CONTNTD	CY		GEOTEXTILE FAB	SY	346.7
EXCAVATION			BEDDING MATRL	CY	15.5
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	11.5
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	120.0	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL. ~~CY~~		36.56 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL (Babbitt)	CY	609	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	1500		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

E. Bank Control work

Grades checks on W. Bank Toe Trench

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	0+50 - 1+00	A-3	Toe Trench	Excavation	X	
2	22+31 - 17+00	A-5	Clay		X	
3	0+39 - 0+91	A-6	Geotextile		X	
4	0+37 - 0+89	A-7	Bedding		X	
5	0+37 - 0+89	A-8	Rip Rap		X	
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS No Test was run on Babbitt clay Fill because only ~ 6"-8" was placed on top of the NV Dike. Cal Swan agreed that the test should not be run until further fill is placed

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 9-11-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	7, 1	70, 5
"C"	—	—
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0934	3+75	HNu	Real Time	1ppm
2	0935	3+75	CGI	RT	20.8%O2, 0% LEL
3	0936	3+75	Miniram	RT	0.00mg/m3
4	1304	2+50	HNu	RT	1ppm
5	1305	2+50	CGI	RT	20.6%O2, 0% LEL
6	1306	2+50	Miniram	RT	0.00mg/m3
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1030	N. of CELA	4/Trackhoe, loader	D	None
2	1100	S.End of NY dike	2/dozer, compactor	D	None
3	1330	S.End of NY dike	2/dozer, compactor	D	None
4	1400	N of CELA	4/Trackhoe, loader	D	None
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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 September 11, 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: 9-11-90
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 #601 (Reiser NY Dike)
- Started hauling in Babbitt Dike Fill
- rec'd ~ 609 cy
- Brought up slope left of ℄
- Density Test not required due to lack of depth of imported Babbitt Dike Fill. ~~[illegible]~~
- Moisture Tests were performed and they passed. (over dry samples)
- Results will be submitted in 9-12-90 Daily Report.

Act ID #608 (Construct W. Bank Toe Trench)
- excavation 0+50 - ~~0+00~~ 1+00
- geotextile 0+39 - 0+91
- bedding + Rip Rap 0+37 - 0+89
- Surveyors checked excavation + bedding for depth & thickness
- material excavated out of Toe Trench was saturated cobble Stone, silt + COE Rip Rap
- material was placed behind NY Dike at sta 20+00
- hauled 15 loads ≈ 120 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 ____ OF ____

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. According to New Alignment	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS. Not visible			

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 0+50 TO 1+00

4. REMARKS Bottom of Toe Trench is cobble stone. Excavation of Toe Trench was checked by using set Toe Stake cut and water level.

INSPECTOR [signature] DATE 8-12-90

REVIEWED BY _____ DATE _____

FORM A-5
SHEET ____ OF ____

FILL MATERIAL ABOVE WATER SURFACE

INSPECTION DATE 9-11-90

	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 22+31 TO 17+00

6. REMARKS Density Test Not Required at this time as Agreed by Ebasco.

INSPECTOR [signature] DATE 9-12-90

REVIEWED BY [signature] DATE 9.17

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 9-11-90

	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. New alignment used	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 6+91 TO 14+43

5. REMARKS Geotextile was placed on top of water and sunk by laying a pipe across the center in order to make sure the Geotextile was placed correctly in the Toe Trench. Method was approved by Ebasco.

INSPECTOR [signature] DATE 9-12-90

REVIEWED BY [signature] DATE 9.17.90

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 9-11-90

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 0+89 TO 1+41

5. REMARKS Bedding was checked by subtracting 4" from the bottom of excavation measurement and using water level to check the rod reading

INSPECTOR Peter F Ponte DATE 9-12-90

REVIEWED BY [signature] DATE 9/17

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 8-11-90

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			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 0+89 TO 1+41

5. REMARKS Rip Rap was placed and then checked by sounding with the 235 cat Track hoe. Proper thickness will be verified by surveying

INSPECTOR Peter Pratt DATE 9-12-90

REVIEWED BY [signature] DATE 9.17

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-11-90

Work Areas Checked: N. End of CELA (near 1125 area)
S. End of N.Y. dike

Employees Present in Work Areas: Gail Reid, Scott Hunt, Nora Tracy, Phil Smith, Bob McKim, Clint McKim, Grant Machiele, Kurt Ettinger

Equipment Being Utilized: Trackloe, loader, D-6 dozer, Compactor, Grader

PPE Being Utilized: level D

Accidents/Breeches of Procedures: None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-11-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

All levels were at background/normal during clay hauling and Toe trench work

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% O_2, 50% LEL

Miniram = ~~Z~~ bag for zeroing

AM Activities: [redacted] N.Y. dike.

PM Activities: Same as AM.

Time: 0931, Temp ≈ 73°F, cloudy/hazy/foggy), No wind

Time: 1301, Temp ≈ 78°F, Pt sunny, No wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/11/90-0934	3+75	HNu	PI101	Cal = 111ppm Isobutylene BG = 1	1 ppm	Real Time
1/11/90-0935	3+75	CGI	261	15% O_2, 50% LEL	20.8% O_2, 0% LEL	RT
1/11/90-0936	3+75	Miniram	PDM-3	2 bag for zeroing	0.00 mg/m³	RT
1/11/90-1304	2+50	HNu	PI101	Same	1 ppm	RT
1/11/90-1305	2+50	CGI	261	Same	20.6% O_2, 0% LEL	RT
1/11/90-1306	2+50	Miniram	PDM-3	Same	0.00 mg/m³	RT

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept 11, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:38/8:28	8:45 / 12:21	12:45/
C-2 L. Dekker	6:38/	/	
C-3 P. Porter	6:43 / 12:21	12:55/2:09 3:24/ 3:44 3:59/	
C-4 A. Muellerleile	7:12 / 12:21	12:55/2:09 3:24/	
C-5 C. Ettinger	6:57/11:48	12:02 / 5:36	
C-6 F. Gontowski	6:12 / 7:43	8:24/8:28 ~~8:45~~/9:19 9:40/10:27 10:52/12:21	
C-7 C. Chang	/	/ 1:50/3:16 3:40	
C-8 J. App	6:52/7:49	5:27/5:37	
C-9 G. Lazusky	6:52/7:49	3:23/5:14 5:27/5:37	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:32/7:33	7:57/3:57 3:59/5:32	
C-12 C. Mckim	6:35/5:50	/	
C-13 G. Reid	6:35/5:30	/	
C-14 N. Tracy	6:35/5:30	/	
C-15 G. Maichele	6:23/6:28	7:00/12:00 12:30/6:04	
C-16 S. Hunt	6:18/6:28	7:00/7:33 8:00/9:02 9:51/~~12:46~~ 6:04	
C-17 P. Smith	6:35/5:30	/	
C-18 ~~B.~~K. Bartels	6:52/12:46	3:23/5:27 5:27/5:37	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:35/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	10:10 / 1:41	2:10 / 7:00p.	
E-4 C. Swann	1:36 / 6:30	/	
E-5 ~~C. Bixby~~ H. WEBSTER	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:29 / 10:35	10:50/11:51 12:30/1:20	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/2:05	/	
S-4 T. Cobb	2:05 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 11, 1990

No./Name	Time In/Out		Time In/Out				
A-2 8:50/8:55	9:12/9:15	9:35/9:38	9:58/10:01	10:20/10:23	10:43/10:47	11:07/11:10	
A-3 8:56/9:01	9:19/9:22	9:40/9:44	10:04/10:08	10:30/10:35	10:54/10:58	11:15/11:19	
A-4 9:00/9:05	9:25/9:29	9:45/9:48	10:06/10:11	10:33/10:40	11:02/11:07	11:24/11:27	
A-5 12:00/12:02	1:19/5:30						
A-6 12:00/12:02	1:21/5:30						
A-7 3:16/3:21	3:39/3:46	4:04/4:10					
A-2 11:28/11:32	11:48/11:52	12:10/12:15	12:33/12:37	12:55/12:58	1:16/1:20	1:36/1:40	
A-3 11:37/11:41	11:57/12:03	2:21/2:26	2:45/2:50	3:10/3:16	3:35/3:41	3:58/4:02	
A-4 11:44/11:48	12:04/12:08	12:28/12:32	12:50/12:55	1:13/1:16	1:34/1:37	1:54/2:00	
A-5							
A-6							
A-2 1:57/2:03	2:17/2:21	2:42/2:45	3:03/3:09	3:27/3:31	3:50/3:54	4:11/4:15	
A-3 4:54/4:3	4:54/5:01						
A-4 2:14/2:17	2:36/2:40	2:58/3:02	3:18/3:24	3:44/3:48	4:05/4:13	4:42/4:47	
A-5							
A-6							
A-2 4:45/4:49	5:10/5:15						
A-3							
A-4 5:08/5:13							
A-5							
A-6							

UPS	10:11/10:16	5 piece deliv.
Fed Ex	2:15/2:16	2 piece delivery
H. Webster	2:15/2:17 4:26/4:27	to Service C. Stiles Van
Deans Septic	2:30/3:02	pumped out main tank
Gary Miller	3:31/3:16 3:40/3:57	Pittsford Landscape
UPS	3:19/	1pc. delivery/2pc. pickup

A-2	T-9	John Perkins	Bakers Excavating
A-3	T-8	Richard Barry	"
A-4	T-10	Boyd Green Sr.	"
A-5		Manley Clark	Unger man
A-6		Tim Vogel	"

PROJECT ENTRY PERMIT

DATE: 9-11-90 TIME IN: _____ TIME OUT: 6:35 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: 9-11-90 TIME IN: _____ TIME OUT: 6:35 pm

NAME: A. MacKenzie

COMPANY: Canonie

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 9-11-90 TIME IN: _____ TIME OUT: 8:00 pm

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-6

PROJECT ENTRY PERMIT

DATE: 9-11-90 TIME IN: 10:00A TIME OUT: 7:10 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: 9-11 TIME IN: _____ TIME OUT: 7:30pm.

NAME: David Dekker

COMPANY: Connie

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 9-11 TIME IN: _____ TIME OUT: 7:30pm

NAME: LaVonne Dekker

COMPANY: Connie

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 9-11-90 TIME IN: 6:30 AM TIME OUT: 7:05 PM

NAME: Gary L Stiles

COMPANY: EBASCO

BADGE No: E-1

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 10, 1990

Arrived at 6:35 a.m.
It rained all day Sunday - Shows 1.40" in EBASCO weather station.
Plan of Day
* Clear on east bank.
* Dry waterhole west bank.

I suggested to Dave D. that he place clay fill on north side of USCOE Dike near sta.0+00. He could strip the vegetation and work this area in inclimate weather, when he cannot work other areas.

Cut tire on motor grader, and had to replace.

Stubby gave me copy of NYDEC letter on east bank changes.

RECEIVED
SEP 17 1990
EBASCO / ARCO

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

DATE: 9-10-90 DAY: Monday HRS.WRK. 10 hrs REPORT NO. 71

WEATHER INFORMATION:

TEMPERATURE: High 82 Low 60 WIND: Mph. - Dir. —

PRECIPITATION: None HUMIDITY: ____ RIVER EL: AM 4.85 PM -

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

9-9-90 Weather		
High : 62	F.E/I	R.E.
Low : 54	H&SO	P.E. 1
Precipitation: 0.76"	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. 6
Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand-by		
" 963		Stand-by		
" D-6		Stand-by		
" D-5	10			
" 12G	10			
(Sheep) Compactor		Stand-by		
(Smooth) "		Ready for Removal from site		
Canonie Wtr. Trk		Offsite for Repairs		
Hertz Wtr. Trk		Stand-by		
ACPR.		Stand-by		
Chipper	10			
Generator / Steam Geney		Stand-by		
1/2 ton pickup		Offsite for Repairs		
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Clear E. Bank East to 11 3-strand Barb Wire fence
Start Stripping Topsoil

SAFETY Wear gloves when working with barb wire
Wear correct protective equipment when clearing + chipping. Weekly Safety talk covered back injuries

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK #404 (Clear E. Bank)
#405 (Grub E. Bank)
#503 (Strip Topsoil East Bank Area)

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	0.77	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	.89	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY	925.9	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:

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)

Control & Level Work E. Bank

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	13+00 - 17+50	A-1	Clearing + Grubbing		X	
2	5+50 - 10+50	A-2	Top soil		X	
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 9-10-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	6, 1, , 1	60, 6, 4
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None - East bank work only				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1030	East bank	6/chipper, Grader, dozer	D	None
2	1410	Eastbank	6/Chipper, Grader, dozer	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — Out: —

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	1450	East bank	B. McKim/Grader	no injury - broken right window on Grader	
2					

Accident/Breeches Report: Grader was being used by Mr. B. McKim improperly as a dozer & a length of wood came through the right side window

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 10 September ~~8~~, 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: 9-10-90 | 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

Act ID # 404 (Clear E. Bank) + # 405 (Grub E. Bank)
- Cleared : sta 13+00 - 17+50
- grubbed haul road for access to move chipper closer to chipping operation. Will complete grubbing when clearing operation is further ahead.
- went back and completed grubbing from sta 4+00 to sta 12+00. Placed stumps and Tree Trunks in piles off to the side for disposal or removal.

OTHER : Completed 3 strand barb wire fence for ~ Sta 6+50 - Sta 11+50. Barb wire will be placed between sta 5+00 and sta 6+50 when east bank is worked on again.

Act. Id # 503 (Topsoil Stripping E. Bank)
stripped topsoil 5+50 - 10+50
(500)(1')(50') = 25000 = 925.9 cy
- left ~ 10 foot wide strip on river banks edge to provide for erosion control.
- Topsoil was piled on the east shulder of the haul road with in the 75' Row.

(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 ____ OF ____

TOPSOIL STRIPPING E. Bank

INSPECTION DATE 9-11-90

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 _____

3. LOCATION (APPROXIMATE)

DIKE STATION 5+50 TO 10+50

4. REMARKS Topsoil is stripped 50' wide leaving a 10 foot wide section on the River Banks edge to provide for erosion control. Topsoil removed is piled along the east side of the east bank haul road with in the 75' R.O.W.

INSPECTOR _____ DATE 9-12-90

REVIEWED BY _____ DATE 9.17

FORM A-1
SHEET ____ OF ____

CLEARING AND GRUBBING E. Bank

INSPECTION DATE 9-11-90

	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.	____	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 13+00 TO 17+50

4. REMARKS Area is cleared 25' from river bank edge. Stumps & Trunks that could not be chipped are in piles awaiting disposal. Only haul road is grubbed. Remaining grubbing will be done at a latter date.

INSPECTOR _____ DATE 9-12-90

REVIEWED BY _____ DATE 9.9

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-10-90

Work Areas Checked: East bank

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

Equipment Being Utilized: Chipper, Grader, D-5 dozer

PPE Being Utilized: Level D- hard hats steel toe boots, safety glasses, ear plugs

Accidents/Breeches of Procedures: Grader was being used for the incorrect job (tearing up stumps, bushes, etc.) by Bob McKim - thus creating damage to the Grader (broken window, flat tire)

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-10-90

Equipment: —

Real-Time Air Monitoring Results and Work Area

None — East bank work only

Personnel Sampling

None

Name	Date	TWA

Calibration Method for Equipment

—

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

10

Date: September 11, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:48 / 7:23	8:28 / 9:57	12:04 / 2:05 2:55 / 4:05 4:56 /
C-2 L. Dekker	6:48 /	/	
C-3 P. Porter	6:37 / 7:23	8:28 / 8:55	9:37 / 4:14 4:26 / 4:32 4:50 /
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	6:47 / 9:03	11:49 / 11:54	3:42 / 5:35
C-6 F. Gontowski	7:02 / 7:35	8:06 / 12:00	12:15 / 12:25 1:20 / 1:30
C-7 C. Chang	/	/	
C-8 J. App	6:53 / 5:30	/	
C-9 G. Lazusky	6:53 / 5:30	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:36 / 7:21	8:46 / 8:52	5:18 / 5:28
C-12 C. Mckim	6:37 / 7:21	8:46 / 8:48	5:20 / 5:28
C-13 G. Reid	6:36 / 7:21	5:18 / 5:28	
C-14 N. Tracy	6:46 / 7:21	5:28 / 5:28	
C-15 G. Maichele	6:30 / 6:39	6:58 / 7:21	
C-16 S. Hunt	6:23 / 6:39	6:58 / 7:25	12:40 / 12:47 4:49 / 4:56 5:24 / 6:00
C-17 P. Smith	6:39 / 7:21	[redacted] /	
C-18 K. Bartels	6:53 / 5:30	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:30 / 10:02	10:20 /	
E-2 T. Granger	/	/	
E-3 S. Stiles	10:20 / 11:00	1:17 / 6:09	
E-4 C. Swan	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:06 / 11:47	12:12 / 11:08	
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	1:58 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

10

Date: September 11, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Dale Zander	9:30/9:35		Shorts Oil Co
Tom Gowan	10:12/11:54		Bean Clean
Joe Rielly	11:48/11:49		looking for Valley Steel
Charlie Baker ES	11:55/12:18		to see G. Stiles
Pattons Busy Bee	12:27/12:32		empty dumpster
Adams Septic Service	12:39/12:57		pump portajohns
Fed Ex	2:16/2:20		3pc. delivery/1pc. pickup
UPS	3:17/3:28		2pc. pickup
D. Dekker S. Dekker P. Porter G. Stiles	Still working		

PROJECT ENTRY PERMIT

DATE: 9-10-90 TIME IN: — TIME OUT: 6:50 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: 9-10-90 TIME IN: _____ TIME OUT: 6:55

NAME: Lawrence Dekker

COMPANY: Canonie

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 9-10-90 TIME IN: _____ TIME OUT: 6:55

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: 9-10-90 TIME IN: 6:30 Am TIME OUT: 7:20 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: 9-9-90 TIME IN: 8:45 am TIME OUT: 12:50 pm

NAME: Gary L Stiles

COMPANY: EBASCO

BADGE No: E-1

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 8, 1990

Arrived at 6:35 a.m.

Plan of Day

* Continue clearing east bank.
* Erect temporary fence @ 75' from bank
* Due to wet conditions no work will be performed on the west bank.
* Informed workmen that a radio check should be made each morning from the east bank.

Dozer was hung up in soft spot. Tried pulling it out with grader, but was unsuccessful. Will let the ground dry or cable a log to the track.

Got log hung in wood chipper and had to remove fly-wheel covers.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 8, 1990
SEPTEMBER 9, 1990
SEPTEMBER 10, 1990

Off Site 9-08-90

Off Site 9-09-90

Off Site 9-10-90

Off site taking annual physical in Greensboro, N.C.

RECEIVED
SEP 12 1990
EBASCO / ARCO

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

DATE: 9-8-90 DAY: Saturday HRS.WRK. 10 hrs REPORT NO. 70

WEATHER INFORMATION:

TEMPERATURE: High 82 Low 48 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: High RIVER EL: AM - PM -

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

	F.E/I		R.E.
	H&SO		P.E.
	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.	EMPS.
USCOE/EPA		SUB.	
"		SUPV.	EMPS.
VISITORS	None		

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		
" D-5	10			
" 12G	10			
(Sheep)Compactor		Stand-By		
(Smooth) "		Ready For Removal From Site		
Canonie Wtr. Trk		off site	repairs	
Hertz Wtr.Trk		Stand-by		
ACPR.		Stand-by		
Chipper	10			
Generator / Steam Genny		Stand-by		
1/2 ton pickup	10			
mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Con't clearing east bank

SAFETY Keep up the good work.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK Act. 50 # 404 (Clear E. Bank)
405 (Grub E. Bank)

RIVER (Any activity performed in water or gravel bar)

OTHER Started installing fence [3 strand barb-wire on T posts]

PAGE: ____ OF ____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	0.86	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	0.36	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)

Control Stationing on E. Bank

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	8+00 - 13+00	A-1	Clearing		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:

Need direction from Construction Manager on East Bank Control Points (PI's)

HEALTH & SAFETY 9-8-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1	80, 4
"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	1015	East Bank	7/chipper	D	None
2	1415	East Bank	7/chipper	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — Out: —

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	1400	East Bank - Phil Smith -		Twisted ankle	
2					

Accident/Breeches Report: Twisted ankle stepping on "fell" tree

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 Reportable incidents occured on 9/8/90

C. A. Fay

PAGE: 6 OF _____

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: 9-8-90
HOURS ON SITE: 10hrs

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

Act. ID # 404 (clear E. Bank) + # 405 (Grub W. Bank)
- cleared sta 8+00 - sta 13+00
- grubbed haul-road for access to move chipper closer to clearing operation. Will complete grubbing when clearing operation is far enough along so it will not interfere with grubbing.

OTHER:
- started installing 3 strand barb wire fence on T posts 25' from River Banks edge.
sta 2+30 - sta 8+00
sta 2+30 - sta 5+00 is wired
sta 5+00 - sta 8+00 Just posts are installed

(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~~

INSPECTION DATE 9-10-90

	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 8+00 TO 13+00

4. REMARKS Stumps in haul road and trunk not able to be chipped were placed in piles awaiting removal or disposal. Cleared 75' back from River Banks edge.

INSPECTOR _____ DATE 9-10-90

REVIEWED BY _____ DATE 9/12/90

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 9-8-90

Non-Use or Mis-Use of PPE

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

None

Job-Related Illness or Injuries

None

Weather Data Rain on 9/5/90
Sunny → Pt Sunny otherwise
Temps from 60°F → 80°F

Air Monitoring Summary

No levels above background/normal
found on any instrumentation

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-8-90

Equipment: None

Real-Time Air Monitoring Results and Work Area

No Air monitoring performed today - all east bank work performed

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

N/A

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-9-90

Work Areas Checked: East Bank

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

Equipment Being Utilized: Chipper, chain saw, D-5 dozer

PPE Being Utilized: level D - hard hat, safety glasses, ear plugs, steel toe boots, chaps for chainsawing

Accidents/Breeches of Procedures: Phil smith twisted his ankle stepping on a "downed" tree

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 8 SEP 90

No./Name	Time In/Out	Time In/Out	Remarks		
C-1 D. Dekker	6:45 / 17:17	7:50 / 9:15	11:37/11:53	12:39/12:46	4:13/5:15/5:20
C-2 L. Dekker	6:45 / 17:17	7:50 / 11:53	12:39/6:00		5:45/4:5/6:00
C-3 P. Porter	/	/			
C-4 A. Muellerleile	/	/			
C-5 C. Ettinger	7:04 / 16:19	11:59/12:05	3:00/3:18	5:18/5:31	
C-6 F. Gontowski	2:03 / 11:39	11:52/1:36	[redacted] /		
C-7 C. Chang	/	/			
C-8 J. App	6:48 / 17:47	12:01/12:06	12:23/12:50	1:06/1:07	2:23/3:27
C-9 G. Lazusky	/	/	[3:47/3:48	5:02/5:31	
C-10 C. Carrow	6:48 / 12:06	12:50 / 1:06	1:07PM / 5:31		
C-11 B. Mckim	6:40 / 17:15	[redacted] 5:21			
C-12 C. Mckim	6:40 / 17:15	5:24/5:27			
C-13 G. Reid	6:40 / 17:15	5:24 / 5:27			
C-14 N. Tracy	6:51 / 12:15	5:28 / 5:27			
C-15 G. Maichele	6:20 / 17:15	5:28 / 6:00			5:25/6:46
C-16 S. Hunt	6:20 / 17:35	8:21 / 8:27	8:50/10:01	12:34/12:32	1:03/1:45
C-17 P. Smith	6:40 / 17:15	/			
C-18 BANTELS	6:48 / 12:06	12:50 / 1:07	3:47/3:48	5:02/5:31	
C-19	/	/			
C-20	/	/			
E-1 G. Stiles	6:40 / 18:57	10:46/11:32	12:21/2:26	5:15/6:20	
E-2 T. Granger	/	/			
E-3 S. Stiles	/	/			
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 / 16:30	/			
S-6	/	/			

~~E-1 G. STILES STILL ONBOARD~~ AT 9/8/90 6:30PM ALF

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 9 SEPTEMBER 90

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

EVICTS

NO

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 7, 1990

Arrived at 6:35 a.m.
It has been raining almost all night

Plan of Day
* Clear on east bank
* Due to wet conditions no work will be performed on the west bank.

Talked with Jim Henessey. We agreed it is o.k. to spread gravel on east bank.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 7, 1990

Arrived at: 7:00 a.m.
Plan of Day:

* Clear and grub, construct access road, etc. on east bank.
* All west bank work suspended due to wet conditions.

Field Inspections and Activities:

Clearing, grubbing, chipping and installation of culvert pipe is in progress during intermittent very light rain.

Left site at 2:00 p.m. for monthly trip home.

RECEIVED
SEP 12 1990
EBASCO / ARCO

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

DATE: 9-7-90 DAY: Friday HRS.WRK. 10hr REPORT NO. 69

WEATHER INFORMATION:

TEMPERATURE: High 74 Low 43 WIND: Mph. 0-5 Dir. SE

PRECIPITATION: .46 HUMIDITY: high RIVER EL: AM _____ PM 4.54

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

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		
" D-5		10		
" 12G		8		
(Sheep) Compactor		Stand-by		
(Smooth) "		Awaiting	Removal	From Site
Canonie Wtr. Trk		offsite for repairs		
Hertz Wtr. Trk		Stand-by		
ACPR.		Stand-by		
Chipper	10			
Generator / Steam Gerny		Stand by		
1/2 ton pickup	10			
mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Clear E. Bank and install one Temporary culvert.

SAFETY Wear proper safety equipment [goggles (when chipping) hard hat, steel toe boots, chaps (when sawing), and ear plugs. Gloves when needed

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK Act #'s #404 (Clear E. Bank)
#405 (Grub East Bank)

RIVER (Any activity performed in water or gravel bar)

OTHER East Bank Haul Road.
Installed Culvert

PAGE: ____ OF ____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	0.69	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	0.30	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	70.11
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		BEDDING MATRL.	~~CY~~	26.44 tons
PIT RUN FILL	CY	70.11	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 Control Stationing on E. Bank for Quick PI Positioning Office Comps.

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	4400 - 8400	A-1	Clearing		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:

HEALTH & SAFETY 9-7-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	7,1	70,4
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None - Rain	(East bank clearing)			
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1015	East bank	6/chipper, dozer	D	lack of eye protection
2					
3	1300	East bank	6/chipper, dozer	D	lack of eye protection
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 incidents or accidents to report today September 7, 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: 9-7-90 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

Activity ID # 404 (Clear E. Bank) & # 405 (Grub E. Bank)
- cleared : Sta 4+00 - Sta 8+00
- grubbed haul road for access to move chipper along east bank for chipping. Will return and finish grubbing when clearing operation is further ahead.

OTHER : - Started E. Bank haul road. Placed = 70.11 cy of imported pit run from approved quarry.
- Installed culvert in low spot on east bank in order to provide drainage for properties abuting work on east bank. (Temporary use until E. bank dike is completed)

(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~~

INSPECTION DATE 9-7-90

	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.	____	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE) EAST BANK

DIKE STATION 4+00 TO 8+00

4. REMARKS Larger stumps in haul road & good trunks not s/b to be chipped were placed in piles awaiting disposal. Cleared 75' back from River banks edge.

INSPECTOR _____ DATE 9-10-90

REVIEWED BY _____ DATE 9.12.90

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-7-90

Equipment: ——

Real-Time Air Monitoring Results and Work Area

No Air monitoring today - Rain

Clearing on East bank work only today

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

—— N/A

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-7-40

Work Areas Checked: East bank

Employees Present in Work Areas: Gail Reid, Phil smith, Grant Machelic, Norm Tracy, Bob McKim, Clint McKim, Scott Hunt, Kurt Ettinger, Dave Pekker

Equipment Being Utilized: D-5 Dozer, Chipper

PPE Being Utilized: level D

Accidents/Breeches of Procedures: Mr. Smith, Mr. Machelic, Mr Reid were not wearing eye protection while working with the Chipper

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 2, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:39 / 8:12	9:07 / 11:00	11:26/12:28 12:56/1:29 2:33/2:55 3:09
C-2 L. Dekker	6:39/12:28	12:56 / 3:30	4:22/6:08 4:22/4:39 5:15/6:08
C-3 P. Porter	6:48 / 8:12	9:07 / 9:35	9:53/2:57 3:25/3:30
C-4 A. Muellerleile	7:34 / 9:40	/	
C-5 C. Ettinger	6:58 / 9:27	1:10 / 11:59	3:55/ 5:29
C-6 F. Gontowski	7:04 / 9:35	9:53 / 10:18	10:24/11:40 11:55/1235 1:21/2:40 3:15/4:2 4.41/
C-7 C. Chang	/	/	
C-8 J. App	6:47 /	/	
C-9 G. Lazusky	6 /	/	
C-10 C. Carrow	6:47/8:53	11:57/5:32	
C-11 B. Mckim	6:37/7:21	9:48/9:51	5:15/5:23
C-12 C. Mckim	6:39/7:21	5:17/5:23	
C-13 G. Reid	6:32/7:21	5:17/5:23	
C-14 N. Tracy	6:48 / 7:21	7:23/7:24	5:20/5:24
C-15 G. Maichele	6:25 / 7:21	7:23/2:24	5:20/6:08
C-16 S. Hunt	6:20 / 6:23	6:37/1:28	2:36/2:42 3:10/4:41 5:23/6:08
C-17 P. Smith	6:39 / 7:21	/	
C-18 Bartels	6:47/8:53	11:57/12:41	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:41 / 11:46	1:07 / 1:27	1:50/ 2:55 3:50/
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swan	6:58 / 8:34	10:08 / 12:09	1:20/ 2:01
E-5 C. Birby	8:10 / 2:11	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:20 / 9:35	10:08 / 11:33	11:50/12:55
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	2:00 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 7, 1990

No.	Name	Time In/Out	Time In/Out	Remarks
	UPS			
	Boyd Green A-1	10:15/10:24		Greens Trucking
	Jim Tuk C/E-2	10:40/11:33	11:50/12:35	DEC
	Jan Bastian	10:55/11:13		to see D. Stubbs
	George Ramsner C-19	11:09/11:40	11:55/12:02	to see F. Gontowski
	Jim Heiessy	1:20/1:27	1:50/1:51	to pick up G. Stiles
	Charlie Baker C-19	1:53/2:11		to see F. Gontowski
	Tom Gowan C-20	1:59/3:47		Beam Clean
	Fed Ex	2:10/2:12		3pc. delivery / 1pc. pickup
	Joseph Guinip	2:22/2:24		Job applicant
	UPS	3:40/3:41		2pc. pickup
	F. Gontowski			
	J. App			
	C. Carrow			Still working
	Bartles			
	G. Stiles			

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 6, 1990

Arrived at 6:50 a.m.
It has been raining this morning.

Plan of Day
* Continue toe trench
* Clear on east bank

Stubby called Dave B. is coming with him. They will be here around 10:30 a.m.

Weekly Meeting:
See meeting minutes

Joe Evans NYDEC, came at 10:15 a.m. We were having the weekly meeting, he set in.
We went to the gravel bar that we propose to relocate river through. Joe was favorable with his comment.
* Bar is a new and forming habitat and not established yet.
* The erosion that is evident is more damaging to an established habitat than the removal of the bar would be.
* The area is not in fisherey waters. They start at Wedycke Rd. bridge and run up stream.
* Water fowl migration window (October 1, 1990 to next spring) is the only restrictions that Joe is aware of, but feels this could be waved as they do this sometime.
* He will pass his opinion on to Ted Myers today.

Dave D. gave me the invoice for August work. I told him I would need some time to review. I also told him we need to discuss the variation in quantity that they outline in their letter. I, also, asked if they have a set of blue line as-builts, he does not think they do, but will check.

Frank G. and the landscape Sub. came to talk about sub-contracting the seeding.
* I told them the seed vendor certs. will apply for seasonal plant window.
* Established growth is to first mowing, with confirmed growth.
* Hydro seed/mulch tack agent would have to be approved.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 6, 1990

Arrived at: 6:50 a.m.
Plan of Day:

* Complete Toe trench.
* Resume clearing of East bank.
* Clay down due to wet conditions.
* Rock hauling down to await new areas of work. (Dave Dekker said Quarry had just about expended stockpiled material - shut down will allow Quarry to develope more material).

Field Observations and Activities:

Inspected General Crushed Stone Quarry. Specifically observed weighing of individual particles as a part of gradation test being directed by Canonie Quarry resident. Noted all present rip rap production being accomplished from lift designated as Middle High Friction Lift. Lift shows higher weathering and thinner beds than underlying materials comprising Middle Nedro member. Quarry representatives said they would schedule another shot in Middle Nedro with spacing of shot holes and powder factor designed to produce chunkier fragments. Canonie representative at Quarry will be leaving to return to graduate school, believe a replacement is important for maintaining quality. A second pipe screen is being fabricated to increase production.

Contractor continued work on toe trench at C.O.E. dike tie in.

Attempted to blade and aerate NY Dike in preparation for dike fill from Babbit pit on Friday. Dike surface is very wet.

Left site at 6:00 p.m.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED
SEP 12 1990
EBASCO / ARCO

DATE: 9-6-90 DAY: Thursday HRS.WRK. 10hrs REPORT NO. 68

WEATHER INFORMATION:

TEMPERATURE: High 88 Low 63 WIND: Mph. - Dir. -

PRECIPITATION: T HUMIDITY: Mod. High RIVER EL: AM 4.68 PM 4.52

PERSONNEL: NON MANUAL EBASCO.C.M. / CANONIE.P.S. /

9-5-90 Weather
High 76
Low 62
Precipitation : 1.14

	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	3		SUB.
"			SUPV. EMPS.

VISITORS See Security Log

MANUAL CANONIE GEN. Labor Equip. Oper. 10

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) "		Started Washing for removal off site		
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	11			

MEETINGS:

PLAN OF DAY Continue Work on Toe Trench
Fix silt fence in slough.

SAFETY Wear life jackets while in water

SCHEDULED Weekly meeting Minutes to be submitted
with 3 days.

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Act EO # 608 (Contract W. Bank Toe Trench)

EAST BANK

RIVER (Any activity performed in water or gravel bar)
Toe Trench Excavation

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	77.84
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	346.7
EXCAVATION			BEDDING MATRL	CY	15.5
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	82.6
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	103.7	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL. ~~CY~~		68.38 tons
PIT RUN FILL	CY	77.84	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
Smooth Drum Roller	Yes	No	
		Wash Req.	
37580/01L04	93.4	Yes	PAGE ___ OF ___
Serial No.	HRS. out		

FIELD ENGINEERING ACTIVITIES: (surveyors)

Set Slope Stakes 14+00 - 16+00

Reset 5' offsets (Knocked out) 11+00 to 12+50

Reset Right toes 14+00 to 16+00

Grade checks on Toe Trench excavation & in-place bedding

Set rt toes 0+00 to 1+00

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	0+50 - 1+00	A-3	Excav. Toe Trench		X	
2	0+39 - 0+91	A-6	Geotextile		X	
3	0+37 - 0+89	A-7	Bedding		X	
4	0+37 - 0+89	A-8	Rip Rap		X	
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

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

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

9-6-90

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	7, 1	70, 5
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0832	4+50	HNu	Real Time	1 ppm
2	0834	4+50	CGE	RT	20.4% O_2, 0% LEL
3	0835	4+50	Miniram	RT	0.00 mg/m³
4	1242	2+00	HNu	RT	1 ppm
5	1243	2+00	Miniram	RT	0.00 mg/m³
6	1244	2+00	CGI	RT	20.9% O_2, 0% LEL
7	1511	7+00	HNu	RT	1 ppm
8	1512	7+00	CGI	RT	20.8% O_2, 0% LEL
9	1513	7+00	Miniram	RT	0.00 mg/m³
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0930	0+50 area	4/ Truck Shoe, loader	D	None
2	1330	0+50 area	4/ Truck Shoe, loader	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 Incident or accident to report today September 6, 1996

PAGE: 6 OF _____

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: 9-8-90 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

Act ID # 608 (Construct W. Bank Toe Trench)

- excavated 0+50 - 1+00
- placed geotextile 0+39 - 0+91
  bedding 0+37 - 0+89
  Rip Rap 0+37 - 0+89
- Hauled 20 loads to lagoon
  - material consisted of COE Rip Rap, Silt + Cobble Stone.

Other: repaired silt fence streaming across slough

(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 9-6-90

	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 0+50 TO 1+00

4. REMARKS * Excavation of Toe Trench is in accordance with the new centerline from 0+00 - 3+00

INSPECTOR _____ DATE 9-6-90

REVIEWED BY _____ DATE 9.12.90

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 9-6-90

	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 or39 TO or91

5. REMARKS Method of Geotextile placement was altered slightly in order to be sure of meeting the Contract Specifications. The fabric was sunk by placement of a 2" dia pipe across the fabric at the center of the trench.

INSPECTOR Pete F Coats DATE 9-6-90

REVIEWED BY AAA DATE 9.12.90

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 9-6-90

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 0+57 TO 0+89

5. REMARKS Final in-place thickness was verified by the surveyors prior to placement of any Rip Rap

INSPECTOR Peter F Peters DATE 9-6-90

REVIEWED BY MA DATE 9.12.90

FORM A-8
SHEET ____ OF ____

RIP RAP

INSPECTION DATE 9-6-90

	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 0+37 TO 0+89

5. REMARKS Rip Rap ~~was tested~~ thickness verified by sounding with the backhoe bucket. Final in place thickness will be checked by the surveyors upon completion.

INSPECTOR [signature] DATE 9-6-90

REVIEWED BY [signature] DATE 9.12.90

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-6-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

No levels above background/normal found on HNu, CGI, Miniram at 0750 → 1100 work areas

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% O_2, 50% LEL

Miniram = Zero-Gas for zeroing

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-6-90

Work Areas Checked: N of CELA

Employees Present in Work Areas: Gail Reid, Norm Tracy, Phil Smith, Grant Machelle, Scott Hunt, Bob McKim, Clint McKim, Kurt Ettinger, Dave Pekker, Pete Porter

Equipment Being Utilized: D-6 Dozer, loader, Trackhoe, Compactor

PPE Being Utilized: level D

Accidents/Breeches of Procedures: None

[redacted] Activities [redacted] and [redacted] [redacted] [redacted]

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 6, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:45 / 12:20	1:13 / 5:47	6:04/6:30
C-2 L. Dekker	6:45 / 12:20	1:13 / 6:30	
C-3 P. Porter	6:50 / 11:37	2:06 / 6:08	
C-4 A. Muellerleile	7:14 / 10:39	10:59 / 12:06	12:38/12:57 1:10/6:05
C-5 C. Ettinger	6:49 / 11:56	12:12 / 5:34	
C-6 F. Gontowski	6:57 / 8:03	8:39 / 12:06	12:38/3:19 4.27/4:33 5:19/6:08
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:50 / 11:50	12:05 / 5:34	
C-10 C. Carrow	6:50 / 11:50	12:05 / 5:34	
C-11 B. Mckim	6:42 / 5:29	/	
C-12 C. Mckim	6:42 / 5:29	/	
C-13 G. Reid	6:40 / 5:25	/	
C-14 N. Tracy	6:49 / 5:30	/	
C-15 G. Maichele	6:31 / 11:56	12:12 / 6:00	
C-16 S. Hunt	6:30 / 6:00	/	
C-17 P. Smith	6:42 / 5:25	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:52 / 12:04	12:47 / 6:18	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:47 / 6:18	/	
E-4 C. Swann	6:54 / 8:16	3:46 / 6:08	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	10:32 / 12:56	/	
C/E-2 D. Bingert	10:32 / 12:56	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	11:15 / 11:16	/	
S-3 Jerry Palmer	6:00 / 12:00	/	
S-4 T. Cobb	1:53 / 6:50	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 6, 1990

No.	Name	Time In/Out	Time In/Out	Remarks
	Manley Clark A1	7:12/5:29		Ungerman
	Tim Vogel A-2	7:12/10:25	11:43/5:29	
	Dale Zanders	10:05/10:31		Shorts Oil Co.
	Gene Garrison A-3	10:07/10:25		Alfred Atlas
	Bob Johnson A-4	10:07/10:27	12:06/2:15	
	Joel Evans E-5	10:11/12:12		DEC
	Boyd Green A-5	10:14/10:30	12:no/12:04 1:25/1:35 3:08/3:22	Green's Trucking 4:27/4:50
	UPS	10:14/10:16		
	Walt Bobo	10:31/10:34		looking for Charlie Baker
	Dave Bates (C-19)	12:15/1:56		Bates Landscaping
	Charlie Baker	12:45/1:35		
	UPS	1:34/1:35		
	James Ball (E-6)	1:35/1:52		Ball Land Survey
	FedEx	1:57/1:55		
	UPS	3:45/3:48		2pc. pickup

D. ~~DEKKER~~ (Still working
~~BEKKER~~)

PROJECT ENTRY PERMIT

DATE: 9-5-90 TIME IN: 6:40 am / 7:05 pm TIME OUT: 10:45 am / 8:30 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: 9-6-90 TIME IN: 6:50 am / 7:15 pm TIME OUT: 6:20 PM / 9:45 PM

NAME: Gary L Stiles

COMPANY: EBASCO

BADGE No: E-1

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 5, 1990

Arrived at: 6:45 a.m.
Plan of Day:

* Excavate and construct toe trench features at tie in with C.O.E. dike.
* No clay today due to rain.
* Dress up area.
* Cut off rip rap hauling for a few days.

Field Observations and Activities:

Accompanied Canonie personnel during resampling of Blades Quarry at Bath, NY. Previous sampling which failed 10 cycle mg sulfate test was not witnessed so there is no knowledge on representivity of samples.

Met with James Emo, Plant Supervisor, who conducted tour of Quarry and two locations in Bath where Blades rip rap had been in service for some time.(16 years C.O.E. Dike adjoining V.A. Hospital and 6 years NY D.O.T. Bridge abutment). At both locations stone was in good condition and exhibited only minor surficial weathering of occassional particles.

Learned that approximately 50% of Quarry production was for slope protection with other 50% crushed stone aggregate.

Quarry is presently approved for several C.O.E. jobs, all NY D.O.T. work, SCS work and D.E.C. work.

Based on this one day inspection the rock seemed adequate and acceptable for our needs based on the various histories of prior use and observations of recently shot rock in the Quarry.

Canonie excavated toe trench south from station 0+00, layed filter fabric, bedding stone and rip rap in 3 segments. This work was accomplished under 7 to 9 feet of water and close attention was required by crew of 5 to assure essential compliance with specs.

Left site at: 6:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 5, 1990

Arrived at 6:50 a.m.
It has been raining since early morning.

Plan of Day
* Continue toe trench
* Clean up work area

Cal visited Blades quarry with Frank G. He feels this stone would be acceptable, if the correct method of sampling and lab testing were used.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 4, 1990

Arrived at 6:50 a.m.
Plan of Day:

* Haul, place and compact dike fill from Ungerman pit.
* Complete control staking of tie in with C.O.E. dike.
* Place rip rap at toe of NY dike.

Field Observations and Activities:

Fill placements being accomplished routinely and systematically in less than the maximum 1 foot lift. Lifts purposely being thinned to effect more drying. Clay fill as delivered continues, over wet at optimum +3. This results in weaving fill but still able to achieve 95% compaction.

Contractor cut bench for backhoe positioning in order to cut toe trench to station 0+00 and match existing C.O.E. dike. This work (excavation, filter fabric, bedding stone and rip rap) will be accomplished in 6 foot + water depth and will require close inspection because of the water and very tight working room.

Placed rip rap at toe of NY dike with backhoe - some existing rip rap on NY dike damaged by backhoe and loader tracks and will have to be replaced.

Selected two test locations to represent edge of fill which Canonie had been somewhat lax about consitently addressing - both passed.

Inspected Babbit pit where excavated Devonian Shale and ss is being processed over a two inch screen. Production under present set up will not exceed 80 c.y./hr. Product looks good compared to Ungerman clay which is somewhat difficult to work with due to high M.C.

Left site at: 6:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 4, 1990

Arrived at 6:35 a.m.
Plan of Day:

* Continue placing rip rap at NY dike and north end at USCOE dike.
* Place clay.

Canonie plans to go to Blades Quarry Wednesday, have asked Cal to go with them. I told him to go as an observer.

RECEIVE

SEP 05 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 9-4-90 DAY: Tuesday HRS.WRK. 10hrs REPORT NO. 66

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: ____ RIVER EL: AM 4.35 PM 4.33

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

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		off site repairs		
Hertz Wtr. Trk	10			
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / steam Genny		Stand-by		
¾ ton pick up	10			
Mechanic Truck	11			

MEETINGS:

PLAN OF DAY Place Clay Sta 6+00 - Sta 14+00
Place Rip Rap at Toe of NV Dike

SAFETY Think safety. Just returning from a long weekend. Keep up the good work

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Act ID # 604 (Construct W. Bank Dike)
Act ID # 608 (Construct W. Bank Toe trench)
605 (Place W. Bank Rip Rap Protection)

EAST BANK

RIVER (Any activity performed in water or gravel bar)
Rip Rap Protection placed in River at toe of NV Dike

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	329.94
NON-CONTNTD	CY		CLAY FILL	CY	1485.0
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	322.61
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:

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	461.41
CLAY FILL	CY	1485.0	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 0+00 - 2+00

Liner Benching East Bank P.I. #6 To P.I. #7

Office Comps.

Reset catch points 2+00 and 2+50

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 Density and Moisture Testing of Clay Fill.

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	7,1,2	70,34
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0914	11+10-20L	HNU	Real Time	1ppm
2	0915	11+10-20L	CGI	RT	20.9% O_2, 0% LEL
3	0916	11+10-20L	Miniram	RT	0.00mg/m³
4	0927	18+00	HNU	RT	1ppm
5	0928	18+00	CGI	RT	20.9% O_2, 0% LEL
6	0929	18+00	Miniram	RT	0.00mg/m³
7	1244	19+00	HNU	RT	1ppm
8	1245	19+00	Miniram	RT	0.00mg/m³
9	1247	19+00	CGI	RT	20.7% O_2, 0% LEL
10	1303	11+15-10R	HNU	RT	1ppm

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0840	N of OELA	3/Dozer, Compactor	D	None
2	1630	N of OELA	4/Dozer, Compactor, Roller	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 Bob Hogan 36½ Main St Cuba N.Y. 496-5265
was approached on New York Bike. He was checked out at Security trailer with
warning not to return to premises 5:54 P.M.

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 today. September 4, 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: 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 from Sta 6+00 - Sta 14+00 after scarifying surface with sheepsfoot roller & Dozer.
- Clay was placed with a max. loose lift of 1 foot and compacted to meet required density
- Sealed clay at end of day with smooth drum compactor.

Act ID # 606 (Construct W. Bank Toe Trench)
- Restaked Toe Trench from Sta. 0+00 to 3+00
- Notified C.M. (Gary Shiles) that new alignment surveying was completed.
- Received verbal OK to continue work from CM.
- Constructed bench with pit Run out into the slough to complete the work on the toe trench.

Act ID # 605 (Place W. Bank Rip Rap Protection)
- Placed Protective toe on N.W. Dike from Sta 17+10 to Sta 22+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-4
SHEET ____ OF ____
INSPECTION DATE 9.4.90

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			
3. DUST CONTROL			

ACTION TAKEN: _____

4. FILL LOCATION

DIKE STATION 0+00 TO 2+75

5. REMARKS Material was used to bench out into slough in order for toe trench to be excavated.

INSPECTOR Bob Lord DATE 9-5-90

REVIEWED BY [illegible] DATE 9.5.90

FILL MATERIAL ABOVE WATER SURFACE

FORM A-5
SHEET ____ OF ____
INSPECTION DATE 9-4-90

	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 14+00

6. REMARKS _____

INSPECTOR Pete Porter DATE 9-5-90

REVIEWED BY [signature] DATE 9.5.90

FORM A-8
SHEET ____ OF ____

RIP RAP

INSPECTION DATE 9-4-90

	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			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 17+10 TO 22+00

5. REMARKS Rip Rap on toe of NY Rte will be checked to verify correct placement.

INSPECTOR Bob Ward DATE 9-5-90

REVIEWED BY AA DATE 9.5.90

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-4-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

All levels were at background/normal for the HNu, CGI, Miniram during clay and rip wrap work from 8+00 → 20+00

Personnel Sampling None.

Name	Date	TWA

Calibration Method for Equipment

HNu = 11ppm Isobutylene
CGI = 15% O_2, 50% LEL
Miniram = ± 5ug for Zeroing

...m Activities: Same

Time: 0913, Temp ≈ 55°F, pt cloudy, No wind.
Time: 1243, Temp ≈ 74°F, pt sunny, SSE wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/4/90-0914	11+10-20L	HNu	PI101	Cal=111ppm Isobutylene Bg=1ppm	1ppm	Real Time
1/4/90-0915	11+10-20L	CGI	261	15%O_2-50% LEL	20.9%O_2,0%LEL	RT
1/4/90-0916	11+10-20L	Miniram	PDM-3	Z-Bag for Zeroing	0.00mg/m³	RT
1/4/90-0927	18+00	HNU	PI101	Same	1ppm	RT
1/4/90-0928	18+00	CGI	261	Same	20.4%O_2,0% LEL	RT
1/4/90-0929	18+00	Miniram	PDM-3	Same	0.00mg/m³	RT
1/4/90-1244	19+00	HNU	PI101	Same	1ppm	RT
1/4/90-1245	19+00	Miniram	PDM-3	Same	0.00mg/m³	RT
1/4/90-1247	19+00	CGI	261	Same	20.7%O_2,0% LEL	RT
1/4/90-1303	11+15-10R	HNU	PI101	Same	1ppm	RT
1/4/90-1304	11+15-10R	Miniram	PDM-3	Same	0.00mg/m³	RT
1/4/90-1305	11+15-10R	CGI	261	Same	20.4%O_2,0% LEL	RT
1/4/90-1621	8+50-10R	HNU	PI101	Same	1ppm	RT
1/4/90-1622	8+50-10R	miniram	PDM-3	Same	0.00mg/m³	RT
1/4/90-1623	8+50-10R	CGI	261	Same	20.9%O_2,0% LEL	RT

Emergency Decor slower - not working (no engine)
when checked at 11:40 - filled & working at 1315

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 8-4-90

Work Areas Checked: N of CELA

EOS (N of CELA) - shower not working (no water)

(water tank) filled at 1300

Employees Present in Work Areas: Gail Reid, Norm Tracy, Scott Hunt, Phil Smith, Bob McKim, Chris McKim, Grant Machelie, Kurt Ettinger, Dave DeKker Frank Gontowski, Pete Porter

Equipment Being Utilized: loader, Roller, Dozer (D-6), Trackhoe, water truck, Grater Compactor

PPE Being Utilized: level D

Accidents/Breeches of Procedures: None

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 4, 1991

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:45 / 9:00	9:41 / 12:24	12:42 /
C-2 L. Dekker	6:45 /	/	
C-3 P. Porter	6:30 / 8:20	9:03 / 9:30	12:44 /
C-4 A. Muellerleile	7:12 / 12:11	12:44 / 12:44	
C-5 C. Ettinger	6:43 / 12:00	12:11 / 1:38	1:47 / 6:18
C-6 F. Gontowski	7:12 / 9:00	9:41 / 12:11	12:44 / 1:17 1:36 /
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:54 / 5:34	/	
C-10 C. Carrow	6:54 / 5:34	/	
C-11 B. Mckim	6:39 / 6:09	/	
C-12 C. Mckim	6:40 / 6:09	/	
C-13 G. Reid	6:35 / 6:09	/	
C-14 N. Tracy	6:50 / 5:38	/	
C-15 G. Maichele	6:27 / 6:09	/	
C-16 S. Hunt	6:27 / 11:55	12:11 / 6:09	
C-17 P. Smith	6:46 / 11:55	12:08 / 5:38	
C-18 Bartels	6:54 / 5:34	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:45 / 12:43	1:34 / 1:36	2:58 / 5:18
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swan	6:54 / 9:10	10:07 / 12:43	1:34 / 6:22
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:11 / 12:23	1:21 / 1:40	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	11:15 / 11:15	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	1:58 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 4, 1990

No.	Name	Time In/Out		Time In/Out				Remarks
A-1	6:59/7:15	8:50/8:56	10:32/10:37	12:19/12:25	2:05/2:11	3:50/3:55	5:37/5:42	
A-2	7:02/7:15	8:53/9:00	10:39/10:45	12:29/12:30	2:08/2:14	3:53/4:00	5:39/5:47	
A-3	7:03/7:14	8:45/8:50	10:24/10:32	12:08/12:15	1:56/2:03	3:43/3:49	5:23/5:33	
A-4	7:11/7:17	9:05/9:11	10:49/10:56	12:34/12:40	2:18/2:26	4:12/4:21		
A-5	7:11/7:17	9:05/9:11	10:49/10:56	12:34/12:40	2:18/2:26	4:12/4:21		
A-6	7:17/7:24	8:56/9:02	10:33/10:40	12:19/12:29	2:00/2:07	3:41/3:49		
A-7	7:17/7:27	9:00/9:08	10:42/10:49	12:25/12:32	2:11/2:18	3:56/4:03		
A-8	7:24/7:32	9:11/9:19	10:56/11:02	12:39/12:46	2:27/2:36	4:27/4:36		
A-9	7:31/7:36	9:17/9:23	10:38/11:09	1:09/1:12	2:45/2:51	4:27/4:36		
A-10	7:35/7:44	9:24/9:31	11:13/11:21					
S-5	7:58/8:06	~~9:19~~ 9:42/10:06	11:55/12:05	1:36/1:43	3:25/3:31			
S-6	8:00/8:05	9:42/9:50	11:22/11:27	1:06/1:13	2:46/2:52	4:34/4:40		
S-7	8:01/8:08	9:46/9:53	11:27/11:33	1:08/1:15	2:49/2:55	4:38/4:42		
S-8	8:05/8:11	9:47/9:53	11:30/11:35	1:14/1:20	3:21/3:27	5:04/5:11		
S-9	8:12/8:19	9:52/10:00	11:33/11:39	1:18/1:25	3:24/3:35	5:11/5:20		
S-10	8:13/8:23	12:10/12:15	4:35/4:42					
C/E-5	8:15/8:23	12:10/12:15	4:35/4:42					
C/E-6	8:10/8:27	10:05/10:12	11:55/12:06	1:36/1:44	3:17/3:24	5:02/5:11		
C/E-7	8:35/8:46	12:50/1:00	4:45/4:54					
C/E-8	8:35/8:46	12:50/12:56	4:24/4:35					
C/E-9	8:35/8:48	12:50/1:00	4:45/4:58					
C/E-10	8:39/8:46	10:20/10:26	12:00/12:07	1:42/1:48	3:29/3:37	5:14/5:20		
E-5	8:46/8:54	12:45/12:50	4:45/4:54					
E-6	12:11/12:21	4:06/4:23						
E-7								
E-8								
E-9								
E-10								

Tom Gowan	9:23/10:28		Beam Clean
Walt Babbitt	9:30/9:31	4:06/4:11	to see D. Dokker
UPS	10:17/10:18		
Deans' Septic Service	11:40/12:05		pump holding tank
Jay Krupp	11:55/12:37		Shorts Oil Co.
Steve Shawley C-20	12:24/1:14		Shawley Office Equip.
XRAY Moore	1:45/2:00		Alfred Atlas
Kyle Shannon	1:45/2:00		"
Adams Septic Service	1:45/2:00		pump tanks
Charlie Bacon	1:51/2:22	3:49/3:56	to see F. Gontowski
Wasons Delivery	2:15/2:25		Truck Parts

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 4, 1990

No./Name		Time In/Out	Time In/Out	Remarks
A-1	Diane Tingue		Preston Trucking	
A-2	Dan Gibbo		"	
A-3	Bob Cline		Davison Trucking	
A-4	Cindy Balcom		Bliven Trucking	
A-5	Gary Baker		Baker Trucking	
A-6	Harold Hensel (7)		Krause Construction	
A-7	Loren Krause (7)(8)		"	
A-8	Dean Marsh		CJM Trucking	
A-9	Chris Meyers (6)		Krause Construction	
A-10	D. Preston		Preston Trucking	
S-5	Jim DeMarco D55		DeMarco Trucking	
S-6	Manley Clark		Unger Inc	
S-7	Tim Vogel		"	
S-8	Ralph DeMarco D46		DeMarco Trucking	
S-9	Ron Lussier		"	
S-10	Frank Alaci		Spin Rite	
C/E-5	Jim Rafter		"	
C/E-6	Jack Gardina D99		Gardina Trucking	
C/E-7	Ray Charland		General Crushed Stone	
C/E-8	Fred Osmund (61)		"	
C/E-9	James Coombs (66)		"	
C/E-10	Bill Raimundi		Clint Case	
E-5	Rick Arcidiacono			
E-6	Frank Charland			
E-7				
E-8				
E-9				
E-10				
Potters Busy Bee		2:23/2:30		package disposal
UPS		3:26/3:29		pc. pickup
Dan Deming Jr.		4:09/4:11		to see C. Swann

D DEKKER
L. DEKKER
P. PORTER
A. Mueller/file
E. Germanetti

} Still working

PROJECT ENTRY PERMIT

DATE: 9-4-90 TIME IN: - TIME OUT: 7:55 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: 9-4 TIME IN: TIME OUT: 7:45 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: 9-4 TIME IN: TIME OUT: 7:45 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: 9-4-90 TIME IN: _____ TIME OUT: 8:30 am

NAME: F. Gontowski

COMPANY: Canonic

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 9-4-90 TIME IN: _____ TIME OUT: 8:10 am

NAME: Pete Porter

COMPANY: Canonic

BADGE No: C-3

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

Canonie Environmental

Equipment Inspection Sheet

PROJECT No.: 88-053

INSPECTED BY: _____

INSPECTION DATE: 9/4/90

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	X	X		Oil ✓ Hyd ✓	Fire Extinguisher Back up Alarm roll over protection	present ✓ pressure ✓ Works ✓ Broken ___ Yes ✓ No ___
D6 Bull dozer	X	X		Oil ✓ Hyd ✓	Fire Extinguisher Back up Alarm roll over protection	Present ✓ Pressure ✓ Works ✓ Broken ___ Yes ✓ No ___
12g grader	X	X		Oil ✓ Hyd ✓	Fire Extinguisher Back up Alarm roll over protection	Present ✓ Pressure ✓ Works ✓ Broken ___ Yes ✓ No ___
963 track loader	X	X		Oil ✓ Hyd ✓	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			COMMENTS
			VISUAL	FLUIDS*	OTHER	Note any Leaks / Note any Problems
Compactor	X	X		Oil ✓ Hyd ✓	Fire Extinguisher Back up Alarm roll over Protection	Present ✓ Pressure ✓ Works ✓ Broken ___ Yes ✓ No ___
Water Truck Canonie		X		Oil	Fire Extinguisher Back up Alarm	Present ___ Pressure ___ Works ___ Broken ___ Left site for Repairs.
Air Compressor	X				Safety locks ✓ Hoses ✓	
Eager Beaver Chipper	X			Oil ✓ Hyd ✓		
½ ton Pick-up		X			Fire Extinguisher	Present ✓ Pressure ___
Smooth Drum Roller	X			Oil ✓ Hyd ✓	Fire extinguisher back up Alarm	Present ✓ Pressure ___ Works ✓ Broken ___

90-05

* OIL, HYDRAULIC FLUID, COOLING SYSTEM, FUEL (IF APPLICABLE)

CanonieEnvironmental

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
			VISUAL	FLUIDS*	OTHER	Note any Problems
D-5	X			Oil ✓ Hyd ✓	Fire Extinguisher Back up Alarm roll over Protection	Present ✓ Pressure ___ Works ✓ Broken ___ Yes ✓ No ___
Herta Water Truck		X		Oil ✓	Fire Extinguisher Back up Alarm	Present ✓ Pressure ___ Works ✓ Broken ___
Mechanic Truck	X			Oil ✓ Hyd ✓	Fire Extinguisher	Present ✓ Pressure ___

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 3, 1990
(HOLIDAY)

Arrived at 7:00 a.m.

No Canonie work this day.
Inspected erosion control features and rip rap piles.

Left site at 9:00 a.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 2, 1990

Arrived at 9:00 a.m.

No Canonie work this day.
Reviewed drafts and discussed methodologies for SLA relocation and test fill construction.

Left site at 12:20 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 1, 1990

Arrived at 8:00 a.m.
Plan of Day:
* Trim and grade downstream slope of NY dike (two men on site).

Field Observations and Activities:

At 5:00 a.m. Canonie operator moved their D-5 Bulldozer to the East bank of the river in violation of agreement that the river would be protected. The crossing was made in lieu of transporting the dozer to the other side by Lowboy. Dave Dekker had the dozer deconned and parked in the parking lot for this purpose, but apparently the instruction was given to ford the river not withstanding the environmental restriction. The fact that the dozer was moved at 5:00 a.m. seems to indicate premeditation. (do the dirty work on the night shift when nobody is looking)

Using Backhoe and wide track D-6 operators trimmed and graded the NY dike backslope. Did not see operators in p.m. so presume they only worked until noon.

Left site at 5:45 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 1, 1990

Arrived at 6:50 a.m.

No plan of day, meeting was held, everyone on site was previously told of what was going on.

The NY dike is still wet - they are not making much progress on cutting slope.

Canonie men went home at 1:30 p.m.

RECEIVED
SEP 05 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 9-1-90 DAY: Saturday HRS.WRK. 8hrs REPORT NO. 65

WEATHER INFORMATION:

TEMPERATURE: High 90 Low 62 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: ____ RIVER EL: AM - PM -

PERSONNEL: NON MANUAL EBASCO.C.M. 1 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.	
"		SUPV.	EMPS.
USCOE/EPA		SUB.	
"		SUPV.	EMPS.
VISITORS	None		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 2

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	7			
" 963		Stand-by		
" D-6	7			
" D-5		Stand-by		
" 12G		Stand-by		
(Sheep)Compactor	1			
(Smooth) "	1			
Canonie Wtr. Trk		Stand-by		
Hertz Wtr.Trk		Stand-by		
ACPR.		Stand-by		
Chipper		Stand-by		
Generator / steam Genny		Stand-by		
½ ton pick up	8			
Mechanic Truck & Tr...				

MEETINGS:

PLAN OF DAY Conform slopes on Back of NY Dike to meet the specifications from Sta 17+00 - Sta 22+50

SAFETY Use common sense on the slopes

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Act ID # 601 (Base NY Dike)
Brought Slopes up on NY Dike (Sta 17+00 - Sta 22+50) to meet the Contract specifications and Contract Drawings
Compacted removed clay on top of NY Dike.

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	122.2
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)

QA/QC ACTIVITIES:

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

COMMENTS In place slope will be checked upon completion of NY Dike

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHNICAL CONCERNS/PROBLEMS: None

PROJECT ENTRY PERMIT

DATE: 9-1-90 TIME IN: 6:55 am TIME OUT: 6:50 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: 9-1-90 TIME IN: 7:00 am TIME OUT: 3:30 pm

NAME: C Mckim

COMPANY: Cogenic

BADGE No: C-17

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

PROJECT ENTRY PERMIT

DATE: 9-1-90 TIME IN: 7:00 am TIME OUT: 3:30 pm

NAME: B Mckim

COMPANY: Cogenic

BADGE No: C-11

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 30, 1990

Arrived at 7:00 a.m. It has been raining since midnight. EBASCO gage shows .25".

Canonie had no work schedule for today.

Made inspection of east bank and west bank. The flagging and barriers that had been set by the top soil pile were down. I reset them.

West bank looks good. Fence at north was not put up at end of shift yesterday.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 29, 1990

Arrived at 6:40 a.m.

Plan of Day:
* Place clay
* Work on rip rap W/B and E/B
* Cut river channel

Dave D. asked about width of channel. I told him at least 100' wide from outside toe trench.

Had D-6 dozer and one surveyor on cut today. Completed moving material out of channel at 5:00 p.m.

Backhoe working at Cole creek, not making much progress.

Dave told me he is bringing in another backhoe Monday. It will work the W/B. Norm will cross to the E/B and work toe trench.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 29, 1990 through October 2, 1990

O F F S I T E

Will return October 3, 1990

RECEIVED
OCT 0 9 1990
EBASCO / ARCO

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

DATE: 9-29-90 DAY: Saturday HRS.WRK. 10 hrs. REPORT NO. 89

WEATHER INFORMATION:

TEMPERATURE: High 80 Low 57 WIND: Mph. - Dir. -

PRECIPITATION: 0.19" HUMIDITY: High 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 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	Agr Surveyors
"		SUPV. 1	EMPS. 1
USCOE/EPA	1	SUB.	Ungerman
"		SUPV.	EMPS. 1
VISITORS	See Security Log		

MANUAL CANONIE GEN. Labor 1 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		Offsite for	Repairs	
Hertz Wtr.Trk	8			
(E. Bank) Cat 235	10			
Chipper		stand-by		
Generator / Steam Genny		stand-by		
1/2 ton pickup		Offsite for	Repairs	
mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Place Babbitt Dike Fill ; Trim slopes W. Bank Dike. Place geotextile, bedding & Rip Rap. E. Bank: Con't working on Tributary

SAFETY Good Construction practices.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK ID # 604 (Construct W Bank Dike)
ID # 605 (Place W. Bank Rip Rap Protection)
&

EAST BANK See Daily Work sheet
ID # 705 (Place E. Bank Rip Rap Protection)

RIVER (Any activity performed in water or gravel bar)
Re-channelization sta 1460 - sta 5450

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 (6.66.tt)	CY	1038.0
CONTNTD	CY		GEOTEXTILE FAB	SY	368.3
EXCAVATION			BEDDING MATRL	CY	33.5
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	40 w.o.L / 45 c.h.L
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	109.46
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL (6.66.tt)	CY	1038.0	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)

Grade checking 2+00 to 5+00 on re-channelization
Construction @ 0+00 to 12+00 T.O.C. W. Bank
Volumes

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	14+00 - 18+00	A-5	Rabbit Pike Fill		X	
2	16+00 - 17+00	A-6	Geotextile		X	
3	16+00 - 17+00	A-7	Bedding		X	
4	16+00 - 16+40	A-8	Rip Rap		X	
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Rabbit Pike Fill tested on Mon 10-1 for Sat. 9-29 placement

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 9-29-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	6, 1, 1	60, 7, 4
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1311	16+00	HNu	Real Time	0.5 ppm
2	1312	16+00	Miniram	RT	0.02 mg/m³
3	1313	16+00	CGI	RT	20.2% O_2, 0% LEL
4	1322	2+50-BL	HNu	RT	0.5 ppm
5	1325	2+50-BL	Miniram	RT	0.00 mg/m³
6	1326	2+50-BL	CGI	RT	20.1% O_2, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1025	N of CELA	3/Truck, Loader, Compactor	D	None
2	1040	N. corner near river	2/dozer	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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:

29 SEP 90

C-4 [redacted] STILL ON SITE AT 6:15 PM NO INCIDENTS

Daily Progress Report

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

Sheet 2

BY: Pete Porter ~~CLIENT~~

DATE: 5-29-90

CLIENT: Sunbelt Refinery, Wellsville

~~PEPS~~

JOB NO: 88-093

LOCATION OF WORK: W. Bank / E. Bank

ACTIVITY:

ID # 604 (Construct W. Bank Dike)
- placed Rabbitt Dike Fill Sta 1+00 - Sta 10+00
- compacted to meet contract Specification requirements
- No Test Run on Clay Fill
  - Test will be performed 10-1-90 prior to placement of next lift
- sealed clay at End of Day with smooth drum compactor

ID # 605 (Place W. Bank Rip Rap Protection)
- trimmed Slopes of W. Bank Dike Sta 8+50 - sta 6+00 and Sta 16+00 - 17+00
- placed Geotextile and Bedding Sta 16+00 - Sta 12+00
- placed Rip Rap to meet Contract Drawings sta 16+40 - 16+40

ID # 705 (Place E. Bank RipRap Protection)
- placed Geotextile in tributary according to Contract Drawings
- placed Bedding + Rip Rap in tributary
- Rip Rap must be worked in-place for final acceptance.

Re-Channelization sta 1+60 - sta 5+50
- completed re-channelization excavation leaving both end berms and the middle berm in place

F-941

(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 10-1-90

	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 1+00 TO 10+00

6. REMARKS _____

INSPECTOR _____ DATE 10-2-90

REVIEWED BY _____ DATE 10-9

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 10-1-90

	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 16+00 TO 17+00

5. REMARKS Pulled up geotextile to existing grade after slopes were trimmed to meet contract Drawings

INSPECTOR [signature] DATE 10-2-90

REVIEWED BY [signature] DATE 10-9

BEDDING

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 10-1-90

	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 16+00 TO 17+00

5. REMARKS Bedding stone was placed according to Contract Drawings and verified by probing.

INSPECTOR _____ DATE 10-2-90

REVIEWED BY _____ DATE 10/9

RIP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-1-90

	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 16+00 TO 16+40

5. REMARKS Rip Rap was placed and worked to meet in-place requirement for acceptance.

INSPECTOR _____ DATE 10-2-90

REVIEWED BY _____ DATE 10-9-90

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-29-96

Equipment: HNu, Miniram, CGI

Real-Time Air Monitoring Results and Work Area

No levels above normal/background were found during operations on the west bank today.

Personnel Sampling none

Name	Date	IWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% O_2, 50% LEL

Miniram = Z-bag for zeroing

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 9-29-90

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 9-24-90 - AM Rain Temps Fm 40°F - 77°F
9-25-90 - Pt Cloudy Winds Variable
9-26-90 - Showers
9-27-90 - Sunny (morning fog)
9-28-90 - Sunny (morning fog)

Air Monitoring Summary

- No levels found above normal/bg on the HNU, CGI, or miniram during the weeks activities

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-29-90

Work Areas Checked: N. of CELA
East bank

Employees Present in Work Areas: Gail Reed, Norm Tracy, Grant Mayhew, Phil Smith, Bob McKim, Clint McKim, Kurt Ettinger, Dave Bekker

Equipment Being Utilized: 2 Trackhoes, (D-6) (wheel) Dozer, loader, Grader, Roller, Compactor

PPE Being Utilized: level D

Accidents/Breeches of Procedures: None

Soil movement on west Bank point near river. Rip wrap and stone placement on East Bank for river control at 12+00 area
PM Activities: same as AM.

Time: 1015, Temp = 70°F; No Wind, Showers - no AM air monitoring
Time 1310, Temp = 73°F, No wind, Sunny (hazy)

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
9/24/90 - 1311	1.6+00	HNu	PI101	cal = 111 ppm Isobutylene bg = 0.5 ppm	0.5 ppm	Real Time
9/24/90 - 1312	1.6+00	Miniram	PDM-3	2-day for Grouting	0.02 mg/m³	R.T.
9/24/90 - 1313	1.6+00	CGI	261	15% O₂, 50% LEL	20.2% O₂, 0% LEL	RT
9/24/90 - 1322	2+50-BL	HNu	PI101	Same	0.5 ppm	RT
9/24/90 - 1325	2+50 - BL	Miniram	PDM-3	Same	0.00 mg/m³	RT
9/24/90 - 1326	2+50 - BL	CGI	261	Same	20.1% O₂, 0% LEL	RT

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 29 SEP90

No./Name	Time In/Out	Time In/Out	Remarks 3:27/3:51	4:02/5:54	
C-1 D. Dekker	6:45 / 7:35	8:00/9:54 10:45/10:52	11:25/11:57	12:15/1:50	1:47/1:54
C-2 L. Dekker	6:45 / 11:57	12:15/5:54			
C-3 P. Porter	/	/			
C-4 A. Muellerleile	7:44 / 12:20	12:44 /			
C-5 C. Ettinger	7:10 / 11:00	11:53 / 1:55	2:39/5:33		
C-6 F. Gontowski	/	/			
C-7 C. Chang	/	/			
C-8 J. App	/	/			
C-9 G. Lazusky	6:45 / 5:35	/			
C-10 C. Carrow	6:45 / 5:55	/			
C-11 B. Mckim	6:37 / 7:07	8:00 / 12:40	1:00/1:03	1:12/4:41	4:42/5:43
C-12 C. Mckim	6:37 / 12:40	1:00 / 1:03	1:12/5:43		
C-13 G. Reid	6:39 / 7:09	/			
C-14 N. Tracy	6:37 / 5:43	/			
C-15 G. Maichele	6:43 / 12:45	1:07/5:50			
C-16 S. Hunt	/	/			
C-17 P. Smith	/	/			
C-18	/	/			
C-19	/	/			
C-20	/	/			
E-1 G. Stiles	6:47 / 10:00	12:14/3:10	4:06/5:12	5:59/6:05	
E-2 T. Granger	/	/			
E-3 S. Stiles	12:14 / 12:18	4:13 / 5:12			
E-4	/	/			
E-5	/	/			
A-1	/	/			
A-2	/	/			
A-4	/	/			
C/E-1 D. Stubbs	9:06 / 12:30	/			
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 / 6:15	/			
S-6	/	/			

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 25 SEP 90

No./Name Lic #	Time In/Out	Time In/Out	Time In/Out	Time In/Out	Time In/Out	Time In/Out	Remarks
A1 1935	7:35/7:41	7:57/8:03	8:19/8:25	8:41/8:48	9:02/9:06		
A2 2208	7:36/7:41	7:59/8:05	8:22/8:28	8:43/8:48	9:06/9:10		
A3 6512	7:37/7:97	8:07/8:09	8:29/8:33	8:50/2:58	9:15/9:20		
A4 6511	8:58/9:02	9:21/9:25	9:39/9:47	10:05/10:08	10:24/10:31		

A1 1935	9:23/9:27	9:44/9:52	10:08/10:12	10:29/10:34	10:51/10:59	
A2 2208	9:28/9:32	9:49/9:55	10:11/10:15	10:31/10:37	10:53/11:00	
A3 6512	9:35/9:40	9:56/10:00	10:16/10:24	10:48/10:54	11:17/11:21	
A4 6511	10:46/10:51	11:07/11:13	11:29/11:35	11:51/11:56	12:19/12:28	

A1 1935	11:20/11:25	11:39/11:41	12:03/12:09	12:24/12:29	12:46/12:50	1:05/1:11	
A2 2208	11:21/11:26	11:43/11:45	12:05/12:11	12:30/12:35	12:50/1:00	1:11/1:17	
A3 6512	11:32/11:39	11:55/12:01	12:18/12:21	12:39/12:45	1:03/1:09	1:24/1:30	
A4 6511	12:42/12:46	1:02/1:07	1:24/1:31	1:49/1:53	2:11/2:18	2:41/2:49	
A1 1935	1:28/1:34	1:51/1:59	2:15/2:22	2:38/2:44	3:01/3:09	3:24/3:25	
A2 2208	1:32/1:38	1:55/2:00	2:19/2:26	2:43/2:49	3:06/3:13	3:30/3:35	
A3 6512	1:47/1:54	2:08/2:13	2:26/2:32	2:48/2:54	3:10/3:16	3:33/3:38	
A4 6511	3:05/3:11	3:27/3:34	3:53/3:58	4:15/4:22			
A1 1935	3:44/3:49	4:06/4:13	4:30/4:36	4:55/5:02			
A2 2208	3:51/4:00	4:13/4:18	4:35/4:40	4:58/5:02			
A3 6513	3:54/4:01	4:16/4:23	4:39/4:44	5:01/5:09			
A4 6511							

A1	LAYTON	BAKER
A2	GREEN	"
A3	VAN SLYKE	"
A4	BARLEY	"

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 29 SEP 90

No./Name		Time In/Out	Time In/Out	Remarks
GREEN	GREENS TRUCKING		11:00/11:30	STONE DELIV.
KNAPP	SHORT'S		11:25/11:56	FUEL DEL. IV.
MCKIM			5:10/	P/U C. MCKIM.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 28, 1990

Arrived at 6:35 a.m.

Plan of Day:
* Place clay
* Work on rip rap W/B
* Complete berm E/B

Checked river cut, water was clear and looked good.

Started fill on outside of USCOE DIKE.

Working slope rip rap that Cal and Stubby pointed out as not acceptable.

Started fine grading and placing geotextile and bedding at Cole creek inlet.

D-6 dozer worked ten (10) hours on cut.

Run track off D-5 at 3:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 28, 1990

Arrived at: 6:50 a.m.
Plan of Day:

* Excavate channel cut
* Move stumps to stockpile adjacent to common fill area
* Place and compact dike fill on north end
* Extend filter cloth, place bedding stone and rip rap south of fill placement area

Field Observations and Activities:

* Placed and compacted dike fill from Babbitt pit station 0-50 to 3+00. Spread stockpiled gravel from COE dike in downstream 1/2 of embankment from station 1 to 3+50 and compacted constructed sliver from tie in with COE dike (11:00 a.m. dozer D-5 broke track)
* Backhoe placed rip rap on slope north of sta. 10 + 50
* Excavating diversion channel with D-6 dozer. Attempting to separate silt and topsoil from underlying gravel for selected use as common fill
* Moved stumps to area adjacent to common fill area
* Left site at 12:00 noon

* Inspected Gen Crushed Stone Quarry on way to airport

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

OCT 0 9 1990

DATE: 9-28-90 DAY: Friday HRS.WRK. 10 REPORT EBASCO/ARCO

WEATHER INFORMATION:

TEMPERATURE: High 84 Low 48 WIND: Mph. — Dir. —

PRECIPITATION: None HUMIDITY: n/a RIVER EL: AM 4.71 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 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. Ungerman
"			SUPV. EMPS. 1
VISITORS			See Security Log

MANUAL CANONIE GEN. Labor 1 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	3		5	
" 12G	8			
(Sheep) Compactor	10			
(Smooth) "	8			
Canonie Wtr. Trk		Off site	for Repairs	
Hertz Wtr. Trk	8			
(E. Bank) Cat 235	10			
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
1/2 ton pickup		Offsite for	Repairs	
mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Place Babbitt Pike Fill ; Work on new river channel. Work on Slopes W. Bank Pike ; Work on Tributary.

SAFETY Good Construction Practices

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 Pike)
605 (Place W. Bank Rip Rap Protection)

EAST BANK See daily activity sheet

RIVER (Any activity performed in water or gravel bar)
Re-channelization sta 1+50 - 5+50

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	370.4	CLAY FILL (a.u.t.t)	CY	1065.00
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	35.98
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	346.1 (u.s.t)
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~~		53.97 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	425.87
CLAY FILL (a.u.t.t)	CY	1065.00	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 Stakeout on Existing Tributary sta 19+25 - sta 18+50
- Set Slope stakes on NT Dike

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	0+00 - 5+00	A-5	Babbitt	Dike Fill	X	
2	11+00 - 8+50	A-6	Geotextile		X	
3	11+00 - 8+80	A-7	Bedding		X	
4	11+00 - 9+00	A-8	Rip Rap		X	
5	0+00 - 8+00	A-2	Topsoil		X	
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Testing done on Babbitt Dike Fill. Results will be submitted in 9-29-90 Bi/y.

TECHNICAL CONCERNS/PROBLEMS:

EALTH & SAFETY 9-28-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	6, 2, 1, 1, 1	60, 10, 8, 4, 3
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1052	10+00 - 40L	HNu	Real Time	1 ppm
2	1053	10+00 - 40L	Miniram	RJ	0.00 mg/m³
3	1055	10+00 - 40L	CGI	RJ	20.8% O₂, 0% LEL
4	1601	10+50 - 5L	HNu	RJ	1 ppm
5	1602	10+50 - 5L	Miniram	RJ	0.00 mg/m³
6	1603	10+50 - 5L	CGI	RJ	21.1% O₂, 0% LEL
7	1607	6+00 - 5L	HNu	RJ	1 ppm
8	1608	6+00 - 5L	Miniram	RJ	0.00 mg/m³
9	1609	6+00 - 5L	CGI	RJ	21% O₂, 0% LEL
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0830	west bank	4/trackhoe, compactor, dozer	D	None
2	1300	East bank	2/trackhoe, loader	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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:

Sept 23, 1990

FOLLOWING PERS STILL ON SITE AT 6:30PM

C-1, C-2, C-4, C-6, C-11, C-12, C-13, C-14, C-15

E-1, E-3

NO INCIDENT'S

Daily Progress Report

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

Sheet 2

BY: Pete Porter CLIENT: DATE: 9-28-90

CLIENT: Sinclair Refinery, Wellsville

~~REPS~~

JOB NO: 88-093

LOCATION OF WORK: W. Bank / E. Bank

ACTIVITY: - W. Bank -

Act ID # 604 (Construct W. Bank Dike)

- Placed Babbitt Dike Fill sta 0+00 - 5+00
- Compacted in 1' max. loose lifts to meet Contract Specs. Requirements.
- sealed Dike Fill with Smooth Drum Compactor

Act ID # 605 (Place W. Bank Rip Rap Protection)

- trimmed slopes to meet Contract Drawings sta 11+00 - sta 8+50
- pulled geotextile up slopes sta 11+00 - sta 8+50
- placed bedding sta 11+00 - sta 8+80
- placed Rip Rap sta 11+00 - sta 9+00
- All materials placed meet the Contract Drawings

- E. Bank -

- Started working on Tributary (Section E-E) sta 18+58
  - shaped tributary banks
- Con't General Clean up of stumps & tree trunks
- Maintenance of Haul Roads.
- Stripped topsoil for area to be cut (800)(25)(.5) = 3750.4

OTHER:

Re-channelization

- pulled trees out of River channel and placed at edge of old River channel awaiting old channel to be closed. Once the channel is closed off, approval was given by Chance to push trees that were in the River channel along with E. Bank stumps into the old river channel as long as 2 feet of cover is placed over the debris.

F-941

(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 9-28-90

	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: Haul roads sprayed when needed

5. FILL LOCATION
DIKE STATION 0+00 TO 5+00

6. REMARKS _____

INSPECTOR [signature] DATE 9-29-90

REVIEWED BY [signature] DATE 10.9

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 5-28-90

	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 11+00 TO 8+50

5. REMARKS Geotextile was pulled up slopes to existing grade. Ready for placement of bedding & Rip Rap

INSPECTOR [signature] DATE 5-28-90

REVIEWED BY [signature] DATE 10-9

BEDDING

FORM A-7
SHEET ____ OF ____
INSPECTION DATE _____

	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 11+00 TO 8+80

5. REMARKS Bedding stone thickness was verified by probing

INSPECTOR _____ DATE 9-29-80

REVIEWED BY ~~MA~~ DATE 10-9

RIP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 9-28-90

	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			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 11+00 TO 9+00

5. REMARKS Rip Rap placed on slopes will be worked in place to achieve a flat surface upon completion of ~ 200' of placement.

INSPECTOR Kurt I Pate DATE 9-29-90

REVIEWED BY [illegible] DATE 10-9

FORM A-2
SHEET ____ OF ____

TOPSOIL STRIPPING

INSPECTION DATE 9-28-90

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 _____

3. LOCATION (APPROXIMATE)

DIKE STATION 0+00 TO 8+00

4. REMARKS stripped topsoil in E. Bank cut
topsoil stripped 25' wide six inches deep

INSPECTOR _____ DATE 9-29-90

REVIEWED BY _____ DATE 10-9

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-28-90

Work Areas Checked: West bank - (North of CELA)
East bank

Employees Present in Work Areas: Grant mischke, Bill Reid, Norm Tracy, Phil Smith, Bob mckim, Clint mckim, Scott Hunt, Pete Carter, Dave Dekker, Frank Dontowski, Kent Ettinger

Equipment Being Utilized: 2 loaders, 2 Trackhoes, 2 dozers, Grader, Compactor, Roller, water truck

PPE Being Utilized: level - D

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 1-28-90

Equipment: HNu, CGI, miniram

Real-Time Air Monitoring Results and Work Area

No levels above background/normal were found on the HNu, CGI, miniram during operations on the west bank today.

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

AM Activities: Clay hauling/working on the west dike of 2100 area, fiber wrap placement on the west bank dike at 10150 → 11150 area. East bank soil relocation

PM Activities: Same as AM

Time: 1050, Temp ≈ 67°F, Sunny, No Wind
Time: 1600, Temp ≈ 73°F, Sunny, West Wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/28-90-1052	10+00-40L	HNu	PI101	Cal=11ppm Isobutylene By=1 ppm	1ppm	Real Time
1/28/90-1053	10+00-40L	Miniram	PDM-3	Z bag for Zeroing	0.00mg/m³	RT
1/28/90-1055	10+00-40L	CGI	261	15% O₂, 50% LEL	20.8% O₂, 0% LEL	RT
1/28/90-1601	10+50-5L	HNu	PI101	Same	1ppm	RT
1/28/90-1602	10+50-5L	Miniram	PDM-3	Same	0.00mg/m³	RT
1/28/90-1603	10+50-5L	CGI	261	Same	21.1% O₂, 0% LEL	RT
1/28/90-1607	6+00-5L	HNu	PI101	Same	1ppm	RT
1/28/90-1608	6+00-5L	Miniram	PDM-3	Same	0.00mg/m³	RT
1/28/90-1609	6+00-5L	CGI	261	Same	21% O₂, 0% LEL	RT

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept 28 1992

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:41 / 7:37	8:25 / 11:14 11:51 / 12:57 1:07 / 1:11	2:19 / 2:30
C-2 L. Dekker	6:41 / 12:37	1:07 /	
C-3 P. Porter	6:51 / 12:17	1:08 / 3:08	
C-4 A. Muellerleile	7:18 / 8:17	8:45 / 9:00 10:39 / 10:54 12:06 / 12:17 1:08 /	2:05 / 4:32
C-5 C. Ettinger	6:55 / 11:47	12:01 / ~~12:40~~ 12:40 1:09 / 5:42	
C-6 F. Gontowski	6:57 / 12:17	1:08 /	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	7:52 / 8:08	3:43 / 5:33	
C-10 C. Carrow	6:56 / 8:08	12:01 / 12:02 12:24 / 12:25	3:43 / 5:33
C-11 B. Mckim	6:35 /	/	
C-12 C. Mckim	6:38 /	/	
C-13 G. Reid	6:38 / 9:09	5:27 /	
C-14 N. Tracy	6:45 /	/	
C-15 G. Maichele	6:29 / 6:34	6:51 / 12:50 1:04 / 5:45	6:17
C-16 S. Hunt	6:29 / 6:34	6:51 / 7:41 12:07 / 12:10 12:15 / 4:55	
C-17 P. Smith	6:42 / 7:09	/	
C-18 T. Gillett	7:00 / 9:37	/	
C-19 R. Bartels	/	/	
C-20	/	/	
E-1 G. Stiles	6:28 / 11:57	12:57 5:10	5:30
E-2 T. Granger	/	/	
E-3 S. Stiles	12:55 /	/	
E-4 C. Spencer	6:52 / 12:02	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	10:11 / 12:21	/	
C/E-2 D. Bingaman	10:11 / 12:21	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	6:00 / 12:00	/	
S-5 A. Fox	1:52 /	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 08, 1990

No./Name	Time In/Out	Time In/Out	Remarks
UPS	10:09/10:10		1pc delivery
Rick Scott	11:04/11:37		Shorts oil co.
Fed Ex	1:34/1:35		2pc. delivery
Clarke Baker	1:40/2:20		to see P. Porter
Tom GOWAN	1:57/4:05		BEAD CLEANING

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sep. 2?, 19??

No. / Name	Time In/Out		Time In/Out						
A-1 7:16/7:22	7:38/7:44	8:00/8:06	8:25/8:30	8:46/8:52	9:07/9:16	9:31/9:38	9:54/10:03	10:18/10:24	
A-2 7:17/7:23	7:40/7:46	8:03/8:08	8:26/8:32	8:50/8:56	9:13/9:20	9:37/9:45	10:01/10:09	10:26/10:32	
A-3 7:23/7:31	7:47/7:55	8:11/8:23	8:33/8:39	8:55/9:03	9:17/9:25	9:40/9:57	10:10/10:20	10:34/10:39	
A-4 7:28/7:36	7:55/8:01	8:19/8:25	8:41/8:47	9:03/9:09	9:26/9:31	9:48/9:54	10:10/10:22	10:37/10:42	
LE/4 8:38/8:46	9:50/10:02								
A-1 10:44/10:49	11:05/11:10	11:24/11:32	11:47/11:53	12:15/12:24	12:39/12:45	1:03/1:08	1:26/1:31	1:47/1:53	
A-2 10:48/10:54	11:10/11:16	11:32/11:38	11:55/12:01	12:18/12:27	12:49/12:50	1:08/1:13	1:32/1:40	1:58/2:03	
A-3 10:55/11:02	11:18/11:23	11:38/11:44	12:01/12:07	12:25/12:31	12:47/12:59	1:10/1:19	1:32/1:42	1:58/2:05	
A-4 10:59/11:05	11:21/11:29	11:46/11:51	12:08/12:16	12:35/12:39	1:00/1:06	1:24/1:29	1:46/1:50	2:09/2:13	
A-1 2:10/2:17	2:33/2:40								
A-2 2:2?/2:25	2:42/2:46	3:03/3:09	3:25/3:29	3:46/3:52	3:48/3:52	4:09/4:17	4:25/4:20	4:34/4:40	
A-3 2:21/2:26	2:44/2:49	3:07/3:11	3:27/3:34	3:56	3:51/3:56	4:12/4:19	4:20/4:26	4:35/4:43	
A-4 2:33/2:37	2:55/3:01	3:20/3:25	3:42/3:50		4:01/4:01	4:07/4:24	4:29/4:35	4:44/4:50	
A-1									
A-2 4:52/4:57	5:03/5:07	5:19/5:20							
A-3 4:52/4:59	5:05/5:10	5:25/5:30							
A-4 4:57/5:25	5:16/5:24								

A-1 John Perkins T-9 Fallers
A-2 Boyd Green SR. T-10 "
A-3 Rich Barry T-8 "
A-4 Russ Layton Big Red Contr. ~~Big Red Fallers~~
LE/4 Boyd Green JR. Alfred Atlas

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept 22, 1990

No./Name	Time In/Out		Time In/Out		Remarks
X A-6	8 11/ 8:17	12:37/12:52	4:45/4:53		
X A-7	8:11/ 8:18	11:46/12:00	3:34/3:48		
X A-9	8:17/ 8:28	12:23/12:31	4:12/4:19		
X A-10	8:19/ 8:30	12:31/12:37	4:45/4:57		
X E-5	8:24/ 8:32	12:36/12:46			
X E-6	8:24/ 8:32	12:34/12:46	4:55/5:02		
X C/E5	8:24/ 8:36	12:43/12:62	4:55/5:02		
✱ C/E4	9:00/ 9:06	12:36/1:10			

A-6 Jim Rafter — Spin Rite
A-7 Don Bienlie - 61 — "
A-9 Jim Coomes 62 — "
A10 Fred Osmond 66 — Spin Rite
E-5 Frank Charland 64 — Ben Crockett Store
E-6 Ronnie Swanson 65 — "
C/E5 Ray Charland 63 — "
C/E4 Robert Hall

PROJECT ENTRY PERMIT

DATE: 9-28 TIME IN: _____ TIME OUT: 7 p.m.

NAME: LaVonne Dekker

COMPANY: Connie

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 9-28 TIME IN: _____ TIME OUT: 7 p.m.

NAME: Dave Dekker

COMPANY: Connie

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 9-28 TIME IN: _____ TIME OUT: 6:55 p.m.

NAME: Grant Mitchell

COMPANY: Connie

BADGE No: C-15

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 27, 1990

Arrived at : 6:25 a.m.

Plan of Day:
* Place clay w/b
* Place Geo, bedding & rip rap w/b
* Start river channel cut

Dave D. wanted to know how wide the cut was to be. I told him 100' from outside edge of toe trench. He said a letter was Fed Ex'd to Tom G. yesterday evening. They feel they are entitled to some lump sum compensation.

Weekly progress meeting. See notes

Alerted Dave and Alan there is question about survey calc. and pay item distribution on August invoice. They confirmed that if errors are found then an adjustment is expected.

Moved D-6 dozer to river at 3:00 p.m. to start cut.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 27, 1990

Arrived at 7:00 a.m.

Plan of Day:

* Rip rap slope between sta. 0+00 and station ± 3+00.
* Place and compact dike fill
* Load haul and dump common fill
* Stockpile rip rap
* Clear channel cut area

Field Observations and Activities:

* Placed and compacted dike fill (3 tests taken) prior to fill placement on wet area of Ungerman clay near sta. 11+00. Waste material was pushed out. Accepted bottom was reasonably firm. At end of shift all fill surfaces were on. Babbitt gravelly silty clay.
* Backhoe placed rip rap on slope between sta 0+00 and 3. Spent afternoon dressing up and finishing off with backhoe on deficient areas spray painted by Canonie QC EBASCO/COE inspection requested.
* On east side hauling of required excavation materials to stockpile at common fill area continued.
* Stockpiling of rip rap continued

Left site at 6:10 p.m.

RECEIVED
OCT 0 9 1990
EBASCO / ARCO

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

DATE: 9-27-90 DAY: Thursday HRS.WRK. 10 hrs REPORT NO. 87

WEATHER INFORMATION:

TEMPERATURE: High 79 Low 48 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: Low RIVER EL: AM ____ 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 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 1 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		Offsite for Repairs		
Hertz Wtr.Trk	8			
(E. Bank) Cat 235	10			
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
1/2 ton pickup		Offsite for Repairs		
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY W. Bank Place Rabbitt Dike Fill 10+50 - 12+50 Con't bringing up slope to existing grade. Start work on re-channelization sta 1+60 - sta 5+50 E. Bank Complete bench on E. Bank to expedite toe trench operation. Start work on tributary. Pick up tree trunks and stumps. Con't Work on Fence. Safety: Good Construction practices.

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 # 604 (Construct W. Bank Dike)
605 (Place W. Bank Rip Rap Protection)

EAST BANK 3 strand - bark wire fence

RIVER (Any activity performed in water or gravel bar)

OTHER Bench along toe trench
Clean up tree trunks and stumps

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 (a.k.a. tt)	CY	1056.0
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	42.31
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	312.58
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~~		108.65 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	513.52
CLAY FILL (a.k.a. tt)	CY	1056.00	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

D-6 transported back to W. Bank

FIELD ENGINEERING ACTIVITIES: (surveyors)

- X-Section E. Bank Gravel Bar for river channelization 2+00 to 6+50
- Original Ground 5+50 - 7+50

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	10+50 - 12+50	A-5	Backfill Behind F.11		X	
2	1+00 - 3+00	A-7	Bedding		X	
3	1+00 - 3+00	A-6	Geotextile		X	
4	1+00 - 3+00	A-8	Rip Rap		X	
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Results included for clay tests Ran on 9-21, 9-25, 9-26 & 9-27 after the inspection sheets

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 9-27-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	9,3	90,6
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1245	18+00	HNu	Real Time	1 ppm
2	1246	18+00	Miniram	RJ	0.06 mg/m³
3	1247	18+00	CGI	RJ	20.1% O₂, 0% LEL
4	1300	3+00-35	HNu	RJ	1 ppm
5	1301	3+00-35	Miniram	RJ	0.00 mg/m³
6	1302	3+00-35	CGI	RJ	20.3% O₂, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1015	East bank	4/trackhoe, loader, dozer	D	None
2	1300	N of CELA	3/trackhoe, loader, dozer, compactor	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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. Sept 21, 1990

Daily Progress Report

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

Sheet 2

BY: Pete Porter CLIENT: DATE: 9-27-90

CLIENT: Sinclair Refinery, Wellsville PE/PS

JOB NO: 88-093 LOCATION OF WORK: W. Bank / E. Bank

ACTIVITY:

Act ID # 604 (Construct W. Bank Pike)
- Placed Babbitt Pike Fill Sta 10+50 - Sta 12+50
- Cal Swan oversaw the operation
- Compacted to meet Contract specification Requirements.
- trimmed slopes to meet Contract Drawings Sta 1+00 - Sta 3+00

Act ID # 605 (Place W. Bank Rip Rap Protection)
- Placed Geotextile, Bedding & Rip Rap Sta 0+90 → Sta 3+00
- Rip Rap was placed according to Contract Drawings.
- Rip Rap was worked in place to fill in thin areas and leaves a flat surfaces to the tolerances stated.

- W. Bank - OTHER:
: Reclamation: Sta 1+60 - 5+50
- Staked & Cross-sectioned Gravel Bar for cut.
- Stripped Grass, trees, and debri off gravel bar

- E. Bank -
- 3-strand Barb wire Fence installed completely through Babbitt property
- Completed Bench along river bank in order to excavate toe trench.
- Started to excavate at tributary Sta 18+58
- cleaned up trees trunks and placed in piles.

F-941

(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 9-27-90

	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 10+50 TO 12+50

6. REMARKS _____

INSPECTOR [signature] DATE 9-28-90

REVIEWED BY [signature] DATE 10-9

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 9-27-80

	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 1400 TO 3+05

5. REMARKS Geotextile was pulled up to existing graded after the slopes were trimmed to meet the Contract Drawings.

INSPECTOR [signature] DATE 9-28-80

REVIEWED BY [signature] DATE 10-9

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 9-27-90

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 0+90 TO 3+00

5. REMARKS Bedding placed on Geotextile was verified by probing for correct thickness prior to placement of Rip Rap.

INSPECTOR Peter F Porter DATE 9-28-90

REVIEWED BY ~~AAA~~ DATE 10.9

RIP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 9-27-90

	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 0+90 TO 3+00

5. REMARKS Rip Rap placed on slope meets contract Drawings to existing grade.

INSPECTOR _____ DATE 9-28-90

REVIEWED BY _____ DATE 10-9

By EJG Date 9/18/90 Subject Density Test Results Sheet No. 6 of

Chkd. By Date Proj. No. 88-093

Test No.	(30)	(31)	(32)	(33)	(34)	(35)
Location	Sta. 2+40 Lower Bench Babbit	Sta. 1+70 L Babbit	Sta. 3+50 L Babbit	Sta. 4+20 ℄ Babbit	Sta. 6+30 L Babbit	Sta. 6+10 L Babbit
WD (pcf)	139.6	140.9	141.7	140.9	139.2	138.3
Method	N	N	N	N	N	N
% M	9.1	9.9	10.7	10.8	11.7	11.0
Method	N	N	N	N	O	O
DD (pcf)	128.0	128.2	128.0	127.2	124.6	124.6
Date	9/14/90	9/18/90	9/18/90	9/21/90	9/21/90	9/25/90
Time	16:15	16:44	17:27	16:40	16:50	16:25
Elev. (Ft)	1493.1	1496.4	1498.5	1499.8	1498.8	1500.6
Proctor Value (pcf)	128.2	128.2	128.2	128.2	126.5	125.5
Proctor #	TP-1	TP-1	TP-1	TP-1	TP-2	TP-4
Opt. Moist. (%)	10.6	10.6	10.6	10.6	10.5	10.5
% Proctor	99.8	100.0	99.8	99.2	98.5	99.3

Note: S = Sandy, O = Oven, N = Nuclear; SC = Sand Cone, T = Tube Density

1/4" X 1/4"

Canonie

By _____ Date _____ Subject Density Test Results _____ Sheet No. _____ of _____

Chkd. By _____ Date _____ Proj. No. 88-093

1/4" X 1/4"

Test No.	(36)	(37)	(38)	(39)	(40)
Location	Sta. 8+50 R Babbit	Sta. 5+90 L Babbit	Sta. 6+75 L Babbit	Sta. 10+25 L Babbit	Sta. 11+75 L Babbit
WD (pcf)	137.5	141.6	140.0	138.8	138.2
Method	N	N	N	N	N
% M	10.2	10.2	10.3	9.8	10.6
Method	O	N	O	O	O
DD (pcf)	124.8	128.5	126.9	126.4	125.0
Date	9/25/90	9/26/90	9/26/90	9/27/90	9/27/90
Time	16:50	17:15	17:27	17:15	17:50
Elev. (Ft.)	1500.6	1501.2	1501.4	1502.0	1502.1
Proctor Value (pcf)	125.5	128.2	126.5	128.2	125.5
Proctor #	TP-4	TP-1	TP-2	TP-1	TP-4
Opt. Moist. (%)	10.5	10.6	10.5	10.6	10.5
% Proctor	99.4	100.2	100.3	98.6	99.6

Note: S=Speedy N=Nuclear T=Tube Density
O=Oven SC=Sand Cone

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-27-90

Work Areas Checked: East bank
west bank - north of CELA

Employees Present in Work Areas: Phil Smith, Grant marchek, Dick Reid, Bob mckim, Chet mckim, Scott Hunt, Norm Travers, Pete Porter, Allen Mikulcik, Frank Dontowski, Dave Dekker, Hunt Ettinger

Equipment Being Utilized: 2 Dozers, 2 Trackhoes, 2 loaders, Grader, compactor, Roller

PPE Being Utilized: Level D

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-27-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

No levels above normal/background found on the west bank during Clay Hauling, and the work on the HNu, CGI, Miniram ...

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 101 ppm Isobutylene

CGI = 15% CO_2, 50% LEL

Miniram - 3-bag for Zeroing

[redacted] dike at 2+00 → 4+00 area. Moving top soil on the east bank and fence placement on the east bank

On Activities: Same as AM (except link wire fence was finished on east bank

Time: 1244, Temp ± 70°F, Sunny, SW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/27/90-1245	18+00	HNu	PI101	Cal: 11 ppm Isobutylene Bg = 1 ppm	1 ppm	Real Time
1/27/90-1246	18+00	miniram	PDM-3	2 day for Geology	0.06 mg/m³	RT
1/27/90-1247	18+00	CGI	261	15% O₂, 50% LEL	20.1% O₂, 0% LEL	RT
1/27/90-1300	3+00-35L	HNu	PI101	Same	1 ppm	RT
1/27/90-1301	3+00-35L	miniram	PDM-3	Same	0.00 mg/m³	RT
1/27/90-1302	3+00-35L	CGI	261	Same	20.3% O₂, 0% LEL	RT

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 22, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:37/9:21	9:57/1:46 2:39/2:43	3:09/6:45
C-2 L. Dekker	7:44/11:26	2:39/6:45	
C-3 P. Porter	6:40/12:25	1:40/	
C-4 A. Muellerleile	7:20/11:29	12:03/	
C-5 C. Ettinger	6:50/7:53	12:0?/2:19	2:49/3:13 4:22/5:55
C-6 F. Gontowski	7:26/10:36	10:49/12:29	1:18/3:13 4:10/
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:53/7:57	5:09/5:31	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:44/6:11	/	
C-12 C. Mckim	6:40/7:08	3:04/5:45	
C-13 G. Reid	6:35/7:03	/	
C-14 N. Tracy	6:45/6:11	/	
C-15 G. Maichele	6:24/6:45	7:03/12:48	1:08/6:22
C-16 S. Hunt	6:21/6:45	7:03/7:28	8:07/8:19 8:35/12:45 12:07/12:36 1:03/5:58 6/16/6:29
C-17 P. Smith	6:49/7:08	/	
C-18 T. Allen	7:00/7:16	1:35/5:33	2:03/5:56
C-19 R. Bartels	6:53/7:57	5:09/5:31	
C-20	/	/	
E-1 G. Stiles	6:30/12:06	12:29/12:53	2:05/3:05 3:31/6:03
E-2 T. Granger	/	/	
E-3 S. Stiles	6:30/6:36	/	
E-4 C. Swan	7:00/10:26	11:31/12:22	1:07/6:11
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:52/11:02	11:20/12:05	12:24/1:35
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/2:0?	/	
S-4 T. Cobb	1:49/6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 27 '90

No.	Name	Time In/Out			Time In/Out			Remarks
A-1		7:18/7:24	7:47/7:47	8:04/8:10	8:27/8:33	8:54/8:56	9:14/9:22	9:38/9:45
A-2		8:07/8:22	8:43/8:51	9:07/9:16	9:34/9:40	9:57/10:04	10:25/10:33	10:49/10:56
A-3		8:24/8:31	8:46/8:54	9:10/9:17	9:35/9:42	9:58/10:06	10:23/10:35	10:52/10:58
A-4		8:39/8:46	9:02/9:12	9:26/9:34	9:49/9:58	10:25/10:34		
S-5		12:03/12:11	12:29/12:35	12:55/1:01	1:18/1:24	1:42/1:47	2:07/2:13	2:38/2:42
A1		10:01/10:10	10:27/10:38	10:55/11:02	10:20/11:27	11:44/11:52	12:10/12:16	12:35/12:40
A2		11:13/11:19	11:36/11:46	12:05/12:13	12:31/12:37	12:56/1:03	1:24/1:26	1:45/1:50
A3		11:5/11:22	11:38/11:47	12:06/12:15	12:32/12:40	12:57/1:02	1:21/1:28	1:47/1:52
A4		2:59/3:04						
S-5		2:58/3:04	3:27/3:29	3:45/3:51	4:09/4:13	4:34/4:38	4:55/5:00	5:10/5:34
A-1		1:00/1:07	1:25/1:31	1:49/1:56	2:13/2:20	2:36/2:44	3:03/3:09	3:29/3:34
A-2		2:02/2:17	2:35/2:42	3:01/3:07	3:25/3:31	3:50/3:55	4:19/4:24	4:33/4:40
A-3		2:11/2:22	2:38/2:47	3:05/3:11	3:29/3:35	3:56/4:01	4:21/4:27	4:42/4:47
A-4								
S-5								
A-1		3:54/3:59	4:17/4:23	4:39/4:45	5:02/5:07	5:29/5:35		
A-2		4:59/5:10	5:23/5:36					
A-3		5:07/5:08	5:32/5:38					
A-4								
S-5								

A-5 5:27/5:30

A-1 Boyd Green T-10
A-2 Russ Layton Big Red
A-3 John Jones T-9
A-4 Rich Barry
S-5 Boyd Green, Sr.
A-5 Tim Lloyd Windstream

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 27, 1970

No./Name		Time In/Out	Time In/Out	Remarks
S-5	7:45, 8:15	9:01 / 9:14	11:35 / 11:45	
S-6	8:13 / 8:21	12:56 / 1:58		
S-8	8:19 / 8:22	12:05 / 12:24	4:13 / 4:19	
S-10	8:16 / 8:21	12:15 / 12:24	4:14 / 4:30	
C/E-3	8:29 / 8:33	12:28 / 12:34	4:15 / 4:22	
C/E-4	8:26 / 8:37	12:53 / 1:09	5:55 / 5:01	
C/E-5	8:28 / 8:40	12:53 / 1:04	5:25 / 5:07	
C/E-6	8:38 / 8:42	12:20 / 1:10	4:09 / 4:34	
C/E-7	8:45 / 8:50	12:42 / 12:48	4:25 / 4:31	

S-5	Bond Green Jr. (Steve)		Green's Trucking
S-6	Jim Ritter		Spur Rite
S-8	Bill Skidmore	65	Serviced Crushed Stone
S-10	Frank Haviland	64	"
C/E-3	Don Brandau	61	"
C/E-4	James Cooper		"
C/E-5	Ray Haviland		"
C/E-6	Fred Osmond	63	"
C/E-7	Bob Hall		Spur Rite

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept 27 1990

No. - Name	Time In/Out	Time In/Out	Remarks
Charlie Baker	7:46/8:00	11:54/11:54	
UPS	10:19/10:16		
Dale Zanders	11:51/12:11		Sharts Oil Co
Dan Deming	12:43/1:03		
Fed Ex	2:35/2:35		
Bakers Lease hog	3:10/3:25		John Perkins dropped off Diesel
UPS	3:42/3:52		for pickup
~~B. Penter~~			
~~T. Penter~~			
E. Penter			Still working.
A. Musitelielle			
~~F. Bongowski~~			

PROJECT ENTRY PERMIT

DATE: 9-27-90 TIME IN: - TIME OUT: 7:30 pm

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 9-27-90 TIME IN: - TIME OUT: 7 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: 9-27-90 TIME IN: - TIME OUT: 6:30 pm

NAME: A. Mueller-Leiske

COMPANY: Canonie

BADGE No: C-4

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 26, 1990

Arrived at: 6:20 a.m.

Plan of Day:

* Continue berm on east bank
* Erect fence on east bank
* Move wet material from USCOE dike
* Place clay west bank
* Continue to receive rip rap
* Cut inspection trench at sta. 7+00

Discussed concern for project control signs at entry to east bank work area with Kurt E. He will get the required signs and put them up

Went with Pete and Cal to east bank and marked the temporary fence line. I told him they could staple to the trees, providing they do not damage the bark. They can run two strands of wire instead of three.

Looked at material that is at the USCOE dike. I told Pete and Alan that Dave D. and I had discussed using the dry or compactable material on the inside of the wing dike curves instead of hauling it off. Only the quantity equal to the toe trench volume will be paid for.

Jim Tuk visited the site today.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT

September 26, 1990

Arrived at 7:50 a. m.
Plan of Day:

* Move river gravel stockpiled near COE dike
* Place dike fill
* Stockpile rip rap
* Place rip rap on dike slope (west side) and in temporary separating dike (east side)
* Install barbed wire fence (east side)

Field Observations and Activities:

* Receive and place compacted fill from Babbitt pit (fill surface muddy from 0.15 rain overnight) worked surface with motor grader prior to fill placement. Fill surface at bend near station 11 is very wet due to contractors failure to provide sufficient drainage over the past week. Told Pete, Alan, and Frank that some removal would be required before fill could be placed.
* Backhoe grading slope on west side from station 0+00 to station 2+. Following up with filter fabric and bedding stone.
* Started sliver fill bench cut at tie in with COE dike.
* Completed separation (barrier) dike on east side where toe trench is in river.
* Stockpiling rip rap
* Hauling common file

Left site at 7:30 p.m.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED
SEP 28 1990
EBASCO/ARCO

DATE: 9-26-90 DAY: Wednesday HRS.WRK. 10hr REPORT NO. 8/6

WEATHER INFORMATION:

TEMPERATURE: High 71 Low 54 WIND: Mph. 0-5 Dir. Varying

PRECIPITATION: 0.13" HUMIDITY: High RIVER EL: AM ____ PM ____

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

	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. ____
USCOE/EPA	1	SUB. ____
"	____	SUPV. ____ EMPS. ____
VISITORS	See Security Log	

MANUAL CANONIE GEN. Labor 1 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	5		3	
" 12G	8			
(Sheep)Compactor	10			
(Smooth) "	8			
Canonie Wtr. Trk		Offsite for Repairs		
Hertz Wtr.Trk	8			
(E. Bank) Cat 235	10			
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
1/2 ton pickup		Offsite for Repairs		
mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY E. Bank : Con't Rip Rap Berm ; Place Geotext. fb on RipRap already installed ; Install 3-strand barb wire fence. W. Bank: Babbitt clay sta 3+50 - 11+00 ; Rid pile of Rip Rap at Sta 2+00 ; pull up slopes.

SAFETY Wear Gloves while working with Barb wire . . Don't stand or work to close to backhoe bucket. No accidents needed

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 Ditch)
605 (Place W. Bank Rip Rap Protection)

EAST BANK

RIVER (Any activity performed in water or gravel bar)
Rip Rap Diversion Berm

OTHER Erosion Control (Rip Rap Diversion Berm)
E. Bank 3-strand Barb wire Fence

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 (Babbitt)	CY	1020.0
CONTNTD	CY		GEOTEXTILE FAB	SY	750 (Diversion Berm)
EXCAVATION			BEDDING MATRL	CY	51.2
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	213.6
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		Diversion Berm		245.8
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~~		57.97 Tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	502.37
CLAY FILL (Babbitt)	CY	1020	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)

- Measured Clearing limits on E. Bank 1+50 - 9+00
- Staked Tributary Channel & Baseline from Pt 10 to End of Job

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	3+50 - 11+00	A-5	Babbitt Pike Fill		X	
2	0+00 - 1+00	A-6	Geotextile		X	
3	0+00 - 0+90	A-7	Bedding		X	
4	0+00 - 0+90	A-8	Rip Rap		X	
5	17+50 - 20+00	A-8	Rip Rap		X	
6	15+50 - 20+00	A-11	Erosion Control		X	
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Required Testing done on Babbitt Pike Fill.

TECHNICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 9-26-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 2	80, 18
"C"		
"B"		
OTHER		

AIR MONITORING:

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

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1015	East bank	5/truck, loader, dozer	- D -	None
2	1530	N.W. of CCA	3/truck, compactor	- D -	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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:

A/D accidents or incidents to report Today Sept 26 '90

Daily Progress Report

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

Sheet 2

BY: Pete Porter ~~CLIENT~~ | DATE: 9-26-90

CLIENT: Sinclair Refinery, Wellsville | ~~REPS~~

JOB NO: 88-093 | LOCATION OF WORK: W. Bank / E. Bank

ACTIVITY: - W. Bank -

Act ID # 604 (Construct W. Bank Dike)

- placed 1020.0 cy of Babbitt Dike Fill
- Compacted to meet Contract Specifications Requirements
- placed Babbitt Fill sta 3+50 - 11+00
- material that came out of the C.O.E. dike is suitable Dike Fill for area behind C.O.E. Dike Sta 0+00 to sta 1+00 and for use on the inside of Canonie Dike where pipe was installed sta 1+50. Gary Stiles okayed material for dike Fill.
- Excavated inspection pit at request of Ebasco at sta 7+00.
- Removed remaining C.O.E. rip-rap pile at sta 1+50 and placed behind NY dike - 10 loads
- Started Bench behind C.O.E. Dike to meet Contract Drawings.

#605 (Place W. Bank Rip Rap Protection)

- Pulled up excess clay to form slopes according to Contract Drawings : sta 0+00 - sta 1+00
- Placed Geotextile sta 0+00 - sta 1+00
- Placed bedding + Rip Rap sta 0+00 - sta 0+90

- E. Bank -

- Walked E. Bank with Gary Stiles + Cal Swan for placement of 3-strand barb-wire fences. Gary Stiles gave approval to staple barb-wire to trees that fall on the fence line.
- Completed installing fence posts where needed through Babbitts property and started installing barb-wire.
- Completed Diversion Berm with geotextile in-place from sta 11+00 - sta 19+25

(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 9-26-80

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.	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 3+50 TO 11+00

6. REMARKS _____

INSPECTOR [signature] DATE 9-27-80

REVIEWED BY [signature] DATE 9.28

BEDDING

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 9-26-90

	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 ~~0+00~~ TO 0+90

5. REMARKS Final In-Place thickness was measured by probing.

INSPECTOR _____ DATE 9-27-90

REVIEWED BY _____ DATE 9.28

FORM A-8
SHEET ____ OF ____

RIP RAP

INSPECTION DATE 9-26-90

	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 0+00 TO 0+90

5. REMARKS Rip Rap will be checked for correct thickness and placement by the QA/QC officer

INSPECTOR _____ DATE 9-27-90

REVIEWED BY _____ DATE 9.28

FORM A-8
SHEET ___ OF ___
INSPECTION DATE 9-26-90

RIP RAP E. Bank

	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 17+50 TO 19+75

5. REMARKS Rip Rap was used for Diversion Berm on E. Bank and placed just outside toe trench.

INSPECTOR _____ DATE 9-27-90

REVIEWED BY _____ DATE 9.28

FORM A-11
SHEET ____ OF ____

EROSION AND SEDIMENT CONTROL

INSPECTION DATE 9-26-90

	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 15+50 TO 19+75

OTHER _____

4. REMARKS Geotextile was placed on Rip Rap Diversion Berm to complete Erosion & Sediment Control from Sta 11+50 - 19+75

INSPECTOR [signature] DATE 9-27-90

REVIEWED BY [signature] DATE 9-28

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-26-90

Work Areas Checked:
East bank
N.W of CELA

Employees Present in Work Areas: Ron Tracy, Carl Reid, Bob McKim, Clint McKim, Scott Hunt, Grant Maichele, Phil Smith, Pete Porter, Frank Gontowski, Allen Fullerlile, Kurt Ettinger

Equipment Being Utilized: 3 dozers, 2 Trackhoes, 2 loaders, Compactor, Grader, Roller

PPE Being Utilized: level D

Accidents/Breeches of Procedures:
none

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-26-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - rain, showers all day

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept 26, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	8:02 / 11:55	12:37 / 6:10	
C-3 P. Porter	6:36 / 7:16	8:09 / 8:46	9:32 / 12:99 1:30 / 5:52 6:05 /
C-4 A. Muellerleile	6:57 / 7:05 12:99	1:30 / 11:41	3:55 / 5:59 6:05 /
C-5 C. Ettinger	6:47 / 8:30	7:52 / 9:55	3:49 / 5:55 4:44 / 6:05
C-6 F. Gontowski	7:20 / 7:25	8:09 / 9:11	11:39 / 12:99 1:30 /
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:52 / 9:14	9:35 / 9:37	5:07 / 5:57
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:36 / 7:22	7:47 / 9:00	9:40 / 10:22 11:21 / 11:28 12:44 / 2:55 4:20 / 6:18
C-12 C. Mckim	6:39 / 7:09	/	
C-13 G. Reid	6:41 / 7:08	/	
C-14 N. Tracy	6:45 / 7:09 6:28	/	
C-15 G. Maichele	6:28 / 6:50	7:05 / 7:15	7:41 /
C-16 S. Hunt	6:28 / 6:50	9:09 / 10:19	10:30 10:39 11:21 / 11:28 12:57 / 1:20 3:49 / 3:55 4:12 /
C-17 P. Smith	6:40 / 7:09	/	
C-18 T. Allen	7:03 / 7:09	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:21 / 7:16	8:10 / 11:01 11:54	12:51 / 2:35 2:54 / 3:08 4:42 /
E-2 T. Granger	/	/	
E-3 S. Stiles	12:51 / 5:03	5:31 /	
E-4 C. Swan	6:55 / 7:16	8:10 / 11:01	11:49 / 12:05 1:00 / 3:47 4:11
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:35 / 11:10	11:26 / 12:20	12:52 / 1:52
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	7:00 /	/	
S-5 A. Fox	2:45 / 12:35	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 26 1990

No./Name	Time In/Out		Time In/Out		Remarks:	
A-1	7:29/7:45	8:02/8:08	8:24/8:30	8:49/8:56	9:12/9:19	9:36/9:43	10:00/10:09
A-2	7:30/7:42	8:01/8:06	8:23/8:28	8:46/8:51	9:10/9:20	9:30/9:41	9:55/10:09
A-3	7:31/7:47	8:09/8:10	8:26/8:32	8:50/8:56	9:19/9:30	9:46/9:46	10:01/10:09
A-4	8:35/8:47	9:09/9:11	9:30/9:38	9:56/10:03	10:19/10:27	10:49/10:50	11:07/11:19
A-1	10:29/10:39	10:50/11:57	11:13/11:21	11:37/11:42	11:58/12:05	12:21/12:29	12:45/12:52
A-2	10:29/10:31	10:45/10:59	11:13/11:18	11:36/11:40	11:57/12:04	12:20/12:25	12:42/12:48
A-3	10:35/10:36	10:51/10:58	11:19/11:22	11:38/11:41	11:59/12:05	12:23/12:29	12:46/12:53
A-4	11:32/11:37	11:53/11:58	12:16/12:20	12:38/12:45	1:09/1:09	1:26/1:31	1:54/1:57
A-1	1:09/1:15	~~2:14/2:22~~	3:06/3:14	3:30/3:38	3:56/4:07	4:23/4:30	4:46/4:55
A-2	1:05/1:11	1:27/1:37	1:53/1:58	2:16/2:23	2:41/2:46	3:05/3:11	3:21/3:53
A-3	1:14/1:20	1:35/1:43	1:58/2:02	2:17/2:24	2:44/2:53	3:10/3:15	3:30/3:38
A-4	2:14/2:22	2:40/2:43	3:02/3:10	3:24/3:30	3:48/3:56	4:14/4:21	4:38/4:44
A-1	5:07/5:16	5:31/5:46					
A-2	3:51/3:54	4:17/4:24	4:42/4:47	5:04/5:12	5:29/5:35		
A-3	3:54/4:05	4:15/4:26	4:43/4:50	5:09/5:14	5:29/5:36		
A-4	5:02/5:07	5:23/5:38					
A-5	7:53/10:11	5:35/5:38					
A-6	9:00/9:20	1:03/1:12	5:06/5:10				
A-9	11:55/12:02	3:37/4:17					
A-10	12:01/12:11	1:31/1:45					
S-5	12:08/12:12	2:10/2:35					
S-6	12:12/12:19	4:04/4:35					
S-8	12:10/12:16	4:02/4:35					
S-9	12:23/12:29	5:11/5:14					
A-7	1:00/1:20						
S-2	1:00/1:30						

S-9	Jim Rattle	Spic Rite
S-5	Don Brandon	General Crushed Stone
S-6	Frank Chambers	General Crushed Stone
S-8	Bill Skidmore	"
A-10	Boyd Brown Jr.	Brown's Trucking
A-1	Dale Baker	Bakers
A-2	Boyd Green	
A-3	Rich Bailey	
A-4	Russ Layton	
A-5	Tim Neal	Quarrymans
A-6	Rick Hartline	Spic Rite
A-9	Fred Osmond	General Crushed Stone
A-7	Ray Chambers	"
S-2	James Cooley	"

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 26, 1992

No./Name	Time In/Out	Time In/Out	Remarks
Jamie Heerman	5-15/8:25		Water Light
Dale Zanders	10:14/10:36		Shorts O.T. Co.
UPS	12:36/10:38		
Jim Tuc C/C	11:14/12:20	12:52/1:48	DEC / to see Dennis
Jim Brownell	1:30/1:32		Otis Eastern Serv.
Charlie Baker	1:34/1:50		to see P. Porter
Vic Black	1:52/2:56		welder on's Eastern
Bill Schwab E-10	2:08/2:12	4:08/4:09	to see C. Sykes
Robert Gilham E-5	2:08/2:13	4:08/4:09	"
Carol Schneiderhan	2:08/2:13	4:08/4:09	"
Tom Gerwin E-19	2:08/4:09		
Fed Ex	3:09/3:10		Ipc McKay?
UPS	4:28/4:32		

P. Porter
J. Mueller Jr.
E. Gontowski
G. Michele
S. Hunt
C. Sykes
S. Stiles
C. Swanson

Still working

PROJECT ENTRY PERMIT

DATE: 9-26-90 TIME IN: - TIME OUT: 6:50 pm

NAME: A Mueller Leite

COMPANY: Canonie

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 9-26-90 TIME IN: - TIME OUT: 6:50 pm

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 9-26-90 TIME IN: - TIME OUT: 7:27

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: 9-26-90 TIME IN: ~~12:50pm~~ 6:25 Am TIME OUT: 8:10 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: 9-26-90 TIME IN: 6:25 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: 9/26/90 TIME IN: _____ TIME OUT: 1920 HRS

NAME: CAL JUAN

COMPANY: EBASCO

BADGE No: E-4

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 25, 1990

Arrived at: 6:25 a.m.

Plan of Day:

* Place Clay on west dike
* Work toe trench east dike
* Clear and grub east dike

* Matt Perkins, NYDEC Rivers & Flood Control Division, came by. He is excavating sediment from the river (Y to D/S of the golf course. They would like to give away some material. I told him we would like to have his material, but we can only allow material that has been tested and determined to be chemically clean. If they are willing to do that, then we would take their material. He does not think they will be able to, since they only plan about a week of work.

* Talked with App Surveyor, George, he is setting control stakes at elevation 1497.2 at top break of slope.
  Told Pete they need to erect the temporary fence on the east bank.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 25, 1990

Arrived at 6:55 a.m.
Plan of Day:

* Dike fill on west side
* Make tie in of toe trench with NY dike
* Continue barrier dike on east side
* Set control stakes marking excavation limits on east side
* Compact toe trench rip rap north of sta 10.

Field Observations and Activities:

* Placed dike fill from Babbitt pit between station 4 and 10 Material is spread in nominal 12" lifts and compacted with multiple passes of pad foot roller.
* Material from Ungerman pit sta. 10 to 12 is soft and overwet and unsuitable for placement. In lieu of removal of the overwet clay, contractor elected to hold off fill placement. QC engineer attempting lime stabilization with 10 or 12 sacks lime in lieu of removal. Removal may still be required if some moisture not removed.
* At sliver tie in with NY dike, contractor over excavated blade wide to provide a bench for lift construction and rolling. Rolling is accomplished on lifts of less than 1' with a vibratory smooth drum roller.
* Construction of barrier dike on east side continued upstream. As the work progressed, the groins were removed and current inside barrier dike is now too strong for filter cloth placement. It is expected that the groins will have to be replaced to minimize currents and protect toe trench area.
* Control stakes were set to mark top of cut. Stakes provided control for bulldozer excavations and sloping. The work now appears acceptably controlled.
* Received rip rap from Gen. crushed stone quarry, and dumped in several stockpile ares selected by contractor.
* Clay hauling shut down at 5:30 p.m. to allow pit stockpiles to be replenished. Only four trucks hauling today because of depleted stockpiles. C. Baker will process material until dark to get ahead.
* Backhoe completed toe trench to tie in with NY dike then moved to toe trench north of sta. 10 + 50 for final working of rip rap surface.

Took three compaction tests

Left site at 6:30 p.m.

RECEIVED
SEP 2 8 1990
EBASCO / ARCO

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

DATE: 9-25-90 DAY: Tuesday HRS.WRK. 10 hrs REPORT NO. 85

WEATHER INFORMATION:

TEMPERATURE: High 76 Low 52 WIND: Mph. 0-5 Dir. SE

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM 4.81' 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 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 1 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	8			
(Smooth) "	8			
Canonie Wtr. Trk		off site Repairs		
Hertz Wtr. Trk	8			
(E. Bank) Cat 235	10			
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
1/2 ton pickup		Off site Repairs		
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Place Babbitt Clay sta 3+25 through Sta 11+00
Cont E. Bank Rip Rap Diversion Berm. Finish W. Bank Toe trench and
start to build up Pike Fill at sta 15+00

SAFETY Watch trucks hauling in Babbitt Pike Fill
Wear life vests when placing geotextile on Rip Rap Berm.

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 Pike)
608 (Construct W. Bank Toe Trench)

EAST BANK

RIVER (Any activity performed in water or gravel bar)
Rip Rap Diversion Berm

OTHER Rip Rap Diversion Berm (E. Bank)
Fill in Low spots and track in

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 (Bill of Lading)	CY	993
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	137.2
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		Diversion Berm		228.62 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	534.98
CLAY FILL (Bill of Lading)	CY	993	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	1000		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

- Brought D-5 back over to the W. Bank
- Front End loader arrived. W. Bank

FIELD ENGINEERING ACTIVITIES: (surveyors)

Set Shoulder Stakes sta 12+00 - 16+00 E. Bank

QA/QC ACTIVITIES:

	INSPECTIONS LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	3+25 - 11+25	A-5	Bobbitt Atlas F.11		X	
2	16+00 - 16+39	A-6	Geotextile		X	
3	16+00 - 16+39	A-7	Bedding		X	
4	16+00 - 16+75	A-8	Rip Rap		X	
5	15+60 - 17+50	A-8	Rip Rap		X	
6	15+60 - 17+50	A-11	Erosion Control		X	
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Regnicard testing performed on Imported clay F.11.

TECHINICAL CONCERNS/PROBLEMS:

EALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1, 1	80, 7, 2, 1
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1012	16+00	HNu	Real Time	1 ppm
2	1013	16+00	Miniram	RJ	0.00 mg/m³
3	1014	16+00	CGI	RJ	21.1% O₂, 0% LEL
4	1030	8+00-SR	HNu	RJ	1 ppm
5	1031	8+00-SR	Miniram	RJ	0.00 mg/m³
6	1032	8+00-SR	CGI	RJ	21% O₂, 0% LEL
7	1527	15+50	HNu	RJ	1 ppm
8	1528	15+50	Miniram	RJ	0.00 mg/m³
9	1529	15+50	CGI	RJ	21.2% O₂, 0% LEL
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0845	East bank	3/truck, loader, dozer	D	none
2	1100	N of dike	3/truck, loader,	D	none
3	1130	N of CELA	2/dozer, compactor	D	none
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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 evidence of incidents to report today Sept 25, 1995

Daily Progress Report

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

Sheet 2

BY: Pete Porter ~~CLIENT~~ DATE: 9-25-90

CLIENT: Sinclair Refinery, Wellsville ~~REPS~~

JOB NO: 88-093 LOCATION OF WORK: W. Bank / E. Bank

ACTIVITY: - W. Bank -

#604 (Construct W. Bank Dikes)

- Placed Babbitt Dike Fill sta 3+25 - sta 11+25
- Compacted Dike Fill to meet Contract Specifications
- Placed 993 cy
- Placed 12 bags of lime (50lb ea.) between sta 11+00 and 12+00 to dry existing clay for placement of new. Rained evening of 9-25-90 and ruined effort to dry clay with lime. Decision was made to push off ~ 4"-6" in order to place more clay. Will try to do 9-26-90.
- After completion of toe trench sta 16+00 - 16+50, Canonie benched into Canonie Dike and the WF Dike in order to widen and raise the Dike according to the Contract Drawings. Cal Swan over saw operation. Brought up bench to within 4' of existing grade.

#608 (Construct W. Bank Toe Trench)

- Completed toe trench on W. Bank
- Finished sta 16+00 - sta 16+39
- Excavated and placed Geotextile, bedding, and Rip Rap between sta 16+00 - 16+39 according to the Contract Drawings
- After completion, Removed Diversion Berm at sta 17+10 to allow the river to flow through the toe trench

- E. Bank -

- Can't work in Rip Rap Diversion Berm.
- Placed Rip Rap in River sta 15+60 - 17+50 :
- Leveled and filled in low spots closer to final grade from Sta 14+00 - sta 16+00

F-941

(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 9-25-90

	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 3+25 TO 11+25

6. REMARKS _____

INSPECTOR [signature] DATE 9-26-90

REVIEWED BY [signature] DATE 9.28

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 9-25-90

	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 16+00 TO 16+39

5. REMARKS Geotextile was installed according to the Contract Drawings and manufacturer's recommendations.

INSPECTOR [signature] DATE 9-26-90

REVIEWED BY [signature] DATE 9.28

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 9-25-90

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 1600 TO 1639

5. REMARKS Thickness of bedding stone was verified by use of cut stake and water level.

INSPECTOR [signature] DATE 9-26-90

REVIEWED BY [signature] DATE 9.28

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 9-25-00

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 16+00 TO 16+75

5. REMARKS Completed toe trench on W. Bank. Placed Rip Rap in toe trench and leveled toe trench with Rip Rap by filling in voids.

INSPECTOR _____ DATE 9-26-00

REVIEWED BY _____ DATE 9.28

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 9-25-90

RIP RAP E. Bank

	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 15+60 TO 17+50

5. REMARKS Rip Rap placed in River outside the bounds for diversion berm. Geotextile will be placed on Rip Rap 9-26-90 to complete Diversion Berm for Erosion Control.

INSPECTOR _____ DATE 9-26-90

REVIEWED BY _____ DATE 9-28

FORM A-11
SHEET ____ OF ____
INSPECTION DATE 9-25-90

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 15+50 TO 17+50

OTHER _____

4. REMARKS Rip Rap was placed in river creating diversion berm awaits geotextile for Erosion Control

INSPECTOR [signature] DATE 9-26-90

REVIEWED BY [signature] DATE 9.28

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-25-90

Work Areas Checked: East bank
NY dike
N of CELA

Employees Present in Work Areas: Grant marchele, Phil Smith, Dick Reed, Bob [illegible], Chet mckim, Scott Hunt, Roam Tracy, Pete Foster, Dave Debbie, Allen millerbile, Hunt Ettinger

Equipment Being Utilized: 2 trackhoes, 2 dozers, 2 loaders, compactor, Grader, Roller

PPE Being Utilized: Level-D

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-25-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

no levels above bg/normal were found during west plant operations on the HNu, Miniram, CGI

Personnel Sampling none

Name	Date	IWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% O_2 50% LEL

Miniram = Bag for Zeroing

[illegible] ... work at 1600 area. Soil movement in the east bank

PM activities: Same as AM.

Time: 1010, Temp = 63°F, PT cloudy, SE wind

PM: 1526, Temp = 70°F, PT Sunny, SE wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/25/90 - 1012	1600	HNU	PI 101	Cal = 111ppm Isobutylene Bg = 1ppm	1 ppm	Real Time
1/25/90 - 1013	1600	miniram	PDM-3	3-bag for zeroing	0.00 mg/m³	RT
1/25/90 - 1014	1600	CGI	261	15% O_2, 50% LEL	21.1% O_2, 0% LEL	RT
1/25/90 - 1030	800-SR	HNU	PI 101	Same	1 ppm	RT
1/25/90 - 1031	800-SR	miniram	PDM-3	Same	0.00 mg/m³	RT
1/25/90 - 1032	800-SR	CGI	261	Same	21% O_2, 0% LEL	RT
1/25/90 - 1527	1550	HNU	PI 101	Same	1 ppm	RT
1/25/90 - 1528	1550	miniram	PDM-3	Same	0.00 mg/m³	RT
1/25/90 - 1529	1550	CGI	261	Same	21.2% O_2, 0% LEL	RT

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 9/25/90

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:30/7:55	8:32/19:20	11:30/12:32 12:57/
C-2 L. Dekker	6:30/7:55:38	8/	
C-3 P. Porter	6:47/7:55	8:32/10:34	10:50/11:55 12:22
C-4 A. Muellerleile	7:15/9:13	9:35/1:35	2:20/3:37 3:50/4:08
C-5 C. Ettinger	6:54/8:06	9:52/11:56	12:19/2:25 2:40/5:56
C-6 F. Gontowski	7:00/7:55	8:17/11:55	12:28/3:11 3:39/
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:51/7:13	5:47/5:58	
C-10 C. Carrow	6:51/7:13	5:47/5:58	
C-11 B. Mckim	6:35/7:13	7:27/5:52	
C-12 C. Mckim	6:37/7:11	7:29/	
C-13 G. Reid	6:37/	/	
C-14 N. Tracy	6:46/5:23	/	
C-15 G. Maichele	6:27/6:37	6:56/6:15	
C-16 S. Hunt	6:27/6:37	6:56/7:31	9:04/11:59 12:47
C-17 P. Smith	6:37/7:11	/	
C-18 T. Allen	7:05/11:59	12:29/5:23	
C-19 R. Battles	/	/	
C-20	/	/	
E-1 G. Stiles	6:28/12:05	12:58/4:58/5:26	
E-2 T. Granger	/	/	
E-3 S. Stiles	1:22/	/	
E-4 C. Swan	6:51/19:19	12:15/13:02	1:02/3:53 3:54/
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:31/11:53	11:47/1:37	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	8:21/13:30	2:43/3:40	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	5:55/1:57	/	
S-4 T. Cobb	1:56/6:30	/	
S-5 A. Fox	3:02/3:03	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 9/25/90

No./Name	Time In/Out	Time In/Out			Remarks
A-1 7:57/8:04	8:24/8:30	8:47/8:53	9:12/9:18	9:35/9:40	9:58/10:02 10:22/10:28
A-2 7:59/8:06	8:24/8:31	8:50/8:54	9:14/9:19	9:37/9:43	10:01/10:06 10:24/10:31
A-3 8:00/8:08	8:30/8:36	8:54/9:00	9:16/9:24	9:40/9:48	10:03/10:11 10:27/10:36
A-4 8:02/8:10	8:27/8:35	8:50/8:56	9:14/9:22	9:37/9:44	10:01/10:09 10:25/10:32
A-5 8:54/8:59					

A-1 10:46/10:53	11:10/11:15	11:32/11:37	11:55/12:03	12:24/12:30	12:44/12:50	1:08/1:15
A-2 10:48/10:54	11:11/11:17	11:35/11:41	11:57/12:04	12:23/12:30	12:48/12:53	1:10/1:16
A-3 10:52/10:59	11:15/11:22	11:39/11:45	12:02/12:09	12:27/12:35	12:50/12:54	1:14/1:21
A-4 10:48/10:55	11:13/11:19	11:38/11:43	11:59/12:05	12:23/12:30	12:49/12:55	1:12/1:18
A-5						

A-1 1:35/1:49	2:06/2:13	2:34/2:39	2:59/3:05	3:24/3:32	3:52/4:02	4:21/4:27	
A-2 1:37/1:45	2:06/2:05	2:23/2:27	2:43/2:45	3:04/3:09	3:27/3:33	3:54/3:59	
A-3 1:39/1:49	2:03/2:10	2:25/2:31	2:48/2:55	3:11/3:19	3:35/3:44	4:00/4:11	
A-4 1:37/1:45	2:01/2:09	2:28/2:29	2:45/2:51	3:04/3:15	3:32/3:39	3:55/4:06	
A-5							

A-1 4:05/4:50	5:09/5:19					
A-2 4:16/4:27	4:40/4:45	5:03/5:09	5:27/5:33			
A-3 4:22/4:38	4:54/5:02	5:10/5:15				
A-4 4:28/4:35						
A-5						

A-1						
A-2						
A-3						
A-4						
A-5						

~~A-6 8:54~~

A-1 Russ Layton Lunch
A-2 Bond Green T-10
A-3 Dale Baker 6 out 1 in Copier
A-4 Rich Bundy T-9
A-5 Rick Arnoldine Spin Rite
~~A-6~~

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 6-25-'90

No./Name	Time In/Out	Time In/Out	Remark:
John Perkins	8:45/9:00	9:31/9:46	deliver Fed Ex's loader
UPS	10:24/10:26		
Matt Perkins	11:11/11:59		DEC
Charlie Reid	10:35/11:46		to see L. Dekker
Donna Mae McKim	10:35/11:46		
Charlie Baker	1:02/2:11		
Dean's Septic	1:05/1:30		
Ellenson, Lewis	10 11:05		Maples Industries
Rick Scott	1:50/2:31		Sharts Oil Co
Fed Ex	2:13/2:14		1pc delivery
UPS	3:49/3:49		

J. Porter
F. Gantowski
G. Stiles
S. Stiles
C. Swarts
S. Hurst
} Set-up working

PROJECT ENTRY PERMIT

DATE: 9-25-90 TIME IN: — TIME OUT: 6:45

NAME: S. Hart

COMPANY: Canonie

BADGE No: C-16

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

PROJECT ENTRY PERMIT

DATE: 9-25-90 TIME IN: — TIME OUT: 7:20

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 9-25-90 TIME IN: 6:25 Am TIME OUT: 7:40 pm

NAME: GARY L Stiles

COMPANY: EBASCO

BADGE No: E-I

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

PROJECT ENTRY PERMIT

DATE: 9-25-90 TIME IN: 1:30pm TIME OUT: 7:40pm

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: 9-25-90 TIME IN: — TIME OUT: 8:33

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
SEPTEMBER 24, 1990

Arrived at: 6:20 a.m.

* It has rained off and on all weekend. It started 9:10 p.m. Friday night - .55" by mid-day Saturday, .25" by 7:00 a.m. Monday.

Plan of Day:

* Work rip rap E/B
* Clear river bank at widening area
* Haul common - excavated material to fill area

I suggested to Dave D. that they start the river cut today. He told me he is to wait until after the Wednesday meeting.

Frank Gantowskie asked if they could bring a QC person from another site during his absence, due to his wife's surgery. I told him to submit this other person's resume for approval. If he is acceptable, there would be no problem.

Jeff Reynolds, EBASCO EED H&S officer, visited the site today.

Went to east bank. Backhoe, D-6 and 953 were working between PI-8 and 9 laying the bank back and putting in the rip rap berm along the outside of toe trench excavation line.

Dave said he is going to set cut stake. He thinks he is within the footprint of the dike, and has not excavated too much. He cannot start the river cut until after his meeting Wednesday. I told him not to place anymore material outside the clearing limit. He thinks he has room for more down on the north end.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 24, 1990

Arrived at 6:50 a.m.
(0.2 inches of rain since noon previous day)

Plan of Day:

* Continue east bank excavation and rip rap placement into river channel berm separating river channel from dike toe trench excavation
* No clay due to wet condition
* Continue clearing and chipping on east side
* Receive rip rap (10 trucks scheduled x 3 trips = 30 loads)

Field Observations and Activities:

* Working on east side placing rip rap dike and filter cloth silt barrier to separate main river channel from toe trench excavation area.
  Dressing up haul road to permit rip rap stockpiling at work area. Rip rap being removed from stockpiles with tracked loader hauling to backhoe.
  Clearing and chipping in progress south of power lines on east side.
* Contractor excavating river bank and filling without stakes. Some ox noted along access road and at PI. Control stakes requested. No ox authorized on east bank.
* Babbitt pit to wet to work

Left site at 6:45 p.m.

RECEIVED
SEP 2 8 1990
EBASCO / ARCO

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

DATE: 9-24-90 DAY: Monday HRS.WRK. 10hrs REPORT NO. 84

WEATHER INFORMATION:

TEMPERATURE: High 65 Low 42 WIND: Mph. 5-15 Dir. S E

PRECIPITATION: .01 HUMIDITY: Mod RIVER EL: AM 4.91 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 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.
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	8			
(Sheep) Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		Offsite for	Repairs	
Hertz Wtr.Trk		Stand-by		
(E. Bank) Cat 235	10			
Chipper	8			
Generator / Steam Gangy		Stand-by		
½ ton pickup		Offsite	Repairs	
mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Work on E. Bank ; Con't Rip Rap Berm Finish. Haul Road so Rip Rap trucks can get to back of site. Clear E. Bank

SAFETY Weekly safety meeting on Cold Stress

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK # 404 (Clear E. Bank)
405 (Grub E. Bank)

RIVER (Any activity performed in water or gravel bar)
Placing Rip Rap + Geotextile in River to Construct Diversion Berm according to our Erosion + Sediment Control Plan

OTHER Rip Rap Diversion Berm

PAGE: ____ OF ____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	.52	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	.3	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	500 (Previous Quan.)
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	254.09 (Previous Quan.)
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	508.18 (E. Bank)
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	1000		
SANITARY WSTE.	GALS	150		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
Port-o-potty	transported from W. Bank to E. Bank			

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Cross Section Clay sta 0+00 - sta 22+31

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	4+00 - 8+50	A-1	Clearing & Grubbing		X	
2	12+50 - 15+50	A-6	Geotextile		X	
3	13+50 - 15+60	A-8	Rip Rap		X	
4	12+50 - 15+50	A-11	Erosion	Control	X	
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Results enclosed for Tests Run on 9-21-90

TECHINICAL CONCERNS/PROBLEMS:

EALTH & SAFETY 9-24-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	7, 1, 1	70, 4, 1
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None - East bank work only				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1015	East bank	7/loader dozer, Truck, Grader, Chipper	D	None
2	1430	East bank	7/loader, dozer, Truck, Grader, Chipper	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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 Sept 25, 1990

Daily Progress Report

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

Sheet 2

BY: ~~CLIENT:~~ Pete Porter

DATE: 9-24-90

CLIENT: Sinclair Refinery, Wellsville

~~REPS~~

JOB NO: 88-093

LOCATION OF WORK: E. Bank

ACTIVITY:

Act ID # 404 (Clear E Bank) + #405 (Grub E. Bank)
- Completed clearing area to be cut sta 9+00 - 8+50
- grubbed only the flats, left grubbing along on river bank until erosion control is in place

OTHER:
- Rip Rap Diversion Berm completed from Sta 13+50 - sta 15+50 with geotextile in place. Rip Rap was in place through sta 15+60
- Continued working on haul road

F-941

(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

INSPECTION DATE 8-24-90

	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.			

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 4+00 TO 8+50 (Cut Area)

4. REMARKS Grubbing was only completed on the flats. Grubbing will be completed on the rivers edge when erosion control is in place

INSPECTOR _____ DATE 8-25-90

REVIEWED BY _____ DATE 9.28

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 9-24-90

	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.			
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.			
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.			
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			

4. GEOTEXTILE LOCATION

DIKE STATION 12+50 TO 15+50

5. REMARKS Geotextile was placed as per Erosion Control and Sediment Control Plan

INSPECTOR [signature] DATE 9-25-90

REVIEWED BY [signature] DATE 9.28

RIP RAP

FORM A-8
SHEET ____ OF ____
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 13+50 TO 15+60

5. REMARKS Rip Rap for diversion berm was placed in the river

INSPECTOR _____ DATE 9-25-90

REVIEWED BY ~~MA~~ DATE 9.28

FORM A-11
SHEET ____ OF ____

EROSION AND SEDIMENT CONTROL

INSPECTION DATE 9-24-90

	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 12+50 TO 15+50

OTHER _____

4. REMARKS Geotextile was placed on installed Rip Rap berm from sta 12+50 - 13+50. Cont placing Rip Rap diversion berm through sta 15+50 and was able to place Geotextile on berm from sta 13+50 - sta 15+50

INSPECTOR _____ DATE 9-25-90

REVIEWED BY _____ DATE 9-28

Canonie

By EJG Date 9/18/90 Subject Density Test Results Sheet No. 6 of

Chkd. By Date Proj. No. 86-093

1/4" X 1/4"

Test No.	(30)	(31)	(32)	(33)	(34)
Location	Sta. 2+40 Lower Bench Babbit	Sta. 1+70 L Babbit	Sta. 3+50 L Babbit	Sta. 4+20 ℄ Babbit	Sta. 6+50
WD (pcf)	139.6	140.9	141.7	140.9	139.2
Method	N	N	N	N	N
% M	9.1	9.9	10.7	10.8	11.7
Method	N	N	N	N	O
DD (pcf)	128.0	128.2	128.0	127.2	124.6
Date	9/14/90	9/18/90	9/18/90	9/21/90	9/21/90
Time	16:15	16:44	17:27	16:40	16:50
Elev. (Ft.)	1493.1	1496.4	1498.5		
Proctor Value (pcf)	128.2	128.2	128.2	128.2	126.5
Proctor #	TP-1	TP-1	TP-1	TP-1	TP-2
Opt. Moist. (%)	10.6	10.6	10.6	10.6	10.5
% Proctor	99.8	100.0	99.8	99.2	98.5

Note: S = Speedy
O = Oven
N = Nuclear

SC = Sand Cone
T = Tube Density

Canonie

By FJG Date _____ Subject % < # 200 Sieve Data Sheet No. B of _____

Chkd. By _____ Date _____ Partial River Channelization Proj. No. 88-093

1/4" X 1/4"

Sample #	G-8 (20)	G-9 (21)	G-10 (23)	G-11 (24)	G-12 (25)	G-13	G-14 (28)
Location	12+75 FAR LEFT EL. 1491.9	Sta. 14+12 ℄	Sta. 20+20 ℄	Sta. 13+20 R	Sta. 14+25 R	Babbit Stockpile Prior To Any Trucking Operations	Sta. 19+25 L
Date	9/11/90	9/17/90	9/17/90	9/17/90	9/17/90	9/17/90	9/21/90
Tare #	(2)	(3)	(1)	(2)	(A)	(C) (5) (8)	(E)
Tare Wt. (g)	88.4	90.0	90.5	88.4	87.[illegible]	13.4 13.3 13.2	87.8
Wet Soil + Tare (g)	348.9	737.8	833.7	[illegible]15	805.0	795.2 698.0 739.3	719.3
Dry Soil + Tare (g)	311.7	677.0	767.[illegible]	431.2	738.6	734.7 638.2 672.8	653.4
Moisture (%)	25.6	10.4	10.0	24.5	10.2	8.4 9.6 10.1	11.5
Dry Soil + Tare (g) After Washing	89.3	10.1	450.5	126.1	446.2	407.2 358.0 333.4	409.5
% < # 200 Sieve (%)	91.6	48.9	46.8	68.9	44.9	45.4 44.8 48.[illegible]	43.1
		Babbit Fill	Babbit Fill	Babbit Fill	Babbit Fill	Babbit Fill (Full Gradation Ref.)	Babbit Fill

CanonieEnvironmental

By EJG Date _____ Subject % < # 200 Sieve Sheet No. ____ of ____

Chkd. By ____ Date _____ Partial River Channelization Proj. No. 78-093.

1/4 X 1/4

Sample #	Location	Date	Tare #	Tare Wt. (g)	Wet Soil + Tare (g)	Dry Soil + Tare (g)	Moisture (%)	Dry Soil + Tare (g) After Washing	% < # 200 Sieve (%)
G-15 (29)	STA. 11+40 L	9/21/90	(D)	87.6	406.3	333.9	29.4	93.7	97.0

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-24-90

Work Areas Checked: East bank

Employees Present in Work Areas: Gail Reed, Nora Tracy, Grant Maichele, Scott Hunt, Phil Smith, Bob McKim, Clint McKim, Kurt Ettinger, Dave Dekker

Equipment Being Utilized: Trackhoe, 2 Dozers, loader, chipper, Grader

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-24-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - East bank work only

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 29, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:42 / 12:25	1:08 / 1:17	2:15/4:45 5:30/
C-2 L. Dekker	6:42 / 12:25	1:08 /	
C-3 P. Porter	6:55 / 18:15	9:19 / 12:07	2.08/2:09 2:43/3:38 5:3./
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	6:44 / 1:41	2:00 / 2.54	3:36/3:45 5:37/5:45
C-6 F. Gontowski	7:01 / 8:08	8:10 / 8:38	9:09/2:15 2:43/3:17 3:3/
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:53 / 4:34	/	
C-10 C. Carrow	6:53 / 4:34	/	
C-11 B. Mckim	6:36 / 7:19	5:33 / 5:39	
C-12 C. Mckim	6:37 / 7:19	/	
C-13 G. Reid	6:37 / 7:19	/	
C-14 N. Tracy	6:51 / 7:32	5:33 / 5:41	
C-15 G. Maichele	6:28 / 6:31	6:53 / 7:19	6:03/6:06
C-16 S. Hunt	6:13/6:31	6:53/7:32	7:48/8:01 5:55/6:02
C-17 P. Smith	6:45 / 7:15	/	
C-18 ~~T. Allen~~	/	/	
C-19 T. Allen	7:01 / 7:19	12:32 / 12:51	1:13/5:49
C-20	/	/	
E-1 G. Stiles	6:22 / 8:40	9:27 / ~~12:09~~ 12:01	12:54/1:35 2:08/4:23 5:0/
E-2 T. Granger	/	/	
E-3 S. Stiles	12:54 /	/	
E-4 C. Swan	6:53 / 9:49	11:28 / 12:09	1:10/3.16 3:34/4:03 4:46/4:33 5:01
E-5 J. Reynolds	10:57 / 12:08	1:10 / 1:35	1:50/3:13
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:14 / 10:33	11:28 / 11:56	12:18/1:15
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 1:56	/	
S-4 T. Cobb	1:53 / 6:30	/	
S-5 A. Fox	3:19 / 3:27	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept 24, 1999

No./Name		Time In/Out	Time In/Out	Remarks
Norm Kehl	E-6	7:16/7:22	8:42/8:47	Empire Building Diagnostics
Jeff Kehl	E-5	7:16/7:22	8:42/8:47	"
Millard Young	E-7	7:16/7:22	8:42/8:47	"
Adams Septic Service		8:25/9:45		
Beam Clean	C-13	9:27/11:25		
Charlie Baker	E-5	9:40/9:52		to sec 6 Stiles
Dan Deming	~~E-6~~	9:40/9:53		"
Tony Ludden	E-6	12:04/12:23		Copy service
Patton's Busy Bee		12:12/12:17		empty dumpster
Fed Ex		2:44/2:50		
UPS		3:20/3:24		
D. Dennis			Still Working	
L. Dennis				
P. Potter				
E. Gontowski				
6 Stiles				
5 Stiles				

PROJECT ENTRY PERMIT

DATE: 9-24-90 TIME IN: 12:50 PM TIME OUT: 7:20 PM

NAME: Sue Shles

COMPANY: EBASCO

BADGE No: E-3

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

PROJECT ENTRY PERMIT

DATE: 9-24-90 TIME IN: 6:35 AM TIME OUT: 7:20 PM

NAME: GARY C Shles

COMPANY: EBASCO

BADGE No: E-I

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

PROJECT ENTRY PERMIT

DATE: 9-24-90 TIME IN: TIME OUT: 6:40

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: 9-24-90 TIME IN: _____ TIME OUT: 7:15

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 9-~~23~~ 24 TIME IN: _____ TIME OUT: 7pm

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: 9-~~24~~ 24 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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT

September 23, 1990

Arrived at 6:45 a. m.
Plan of Day:

* Mobilized manpower for continuance of work on east side. No work - Was not started due to wet conditions and personnel were released for day

Field Observations and Activities:

* Inspected east and west work areas relative to river levels and erosion control features. No major problems were detected
* Rain was intermittent - light throughout morning

Left site at 12:00 noon

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED
SEP 28 1990
EBASCO / ARCO

DATE: 9-23-90 DAY: Sunday HRS.WRK. 1 REPORT NO.

WEATHER INFORMATION:

TEMPERATURE: High 52 Low 44 WIND: Mph. — Dir. —

PRECIPITATION: 0.21" HUMIDITY: High RIVER EL: AM — PM —

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

	F.E/I	1	R.E.
	H&SO		P.E. 1
	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.
VISITORS			

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 4

Truck Drivers Others

Came in with the intent to work on the E. Bank, but decided to cancel work activities due to rain.

Office work was worked on instead

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: SEP 22, 1990

No./Name	Time In/Out	Time In/Out	Remarks	4:23 / 4:32 5:33 / 5:42
			2:31/2:52	3:09/3:34
C-1 D. Dekker	6:40 / 7:19	7:57 / 8:31	9:08/9:10	12:09/12:59
C-2 L. Dekker	6:40 / 8:31	9:08 / 3:34	4:23/6:23	
C-3 P. Porter	6:44 / 7:19	5:33 /		
C-4 A. Muellerleile	/	/		
C-5 C. Ettinger	/	/		
C-6 F. Gontowski	7:01 / 7:55	8:3[illegible] / 1:4[illegible]		
C-7 C. Chang	/	/		
C-8 J. App	/	/		
C-9 G. Lazusky	6:42 / 7:36	9:46 / 5:26		
C-10 C. Carrow	6:42 / 7:36	9:46 / 5:26		
C-11 B. Mckim	6:34 / 7:21	12:40 / 12:44	5:34/5:40	
C-12 C. Mckim	6:43 / 7:14	5:34 / 5:40		
C-13 G. Reid	6:43 / 7:23	7:57 / 9:58	5:59/6:00	
C-14 N. Tracy	/	/		
C-15 G. Maichele	6:21 / 6:30	6:55 / 7:22	12:40/12:44	5:54/5:56
C-16 S. Hunt	6:21 / 6:30	6:55 / 7:22		5:54/5:56
C-17 P. Smith	/	/		
C-18	/	/		
C-19 T. ALLEN	6:59 / 7:14	5:59 / 6:00		
C-20	/	/		
E-1 G. Stiles	/	/		
E-2 T. Granger	/	/		
E-3 S. Stiles	/	/		
E-4 C. SWAN	6:55 / 8:07	12:59 / 2:28	4:34/6:01	
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 / 6:30	/		
S-6	/	/		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 22, 1990

No./Name	Time In/Out	Time In/Out	Remarks:
CHARLIE BAILLER	ANS-426	6:51/6:58	SEE DAVE DEKKER
DAVE VAN SCHUYVER	TR3158	9:40/5:58	BAKER TRUCKING
SHORT'S OIL, SCOTT		10:25/11:00	REFUEL VEHICLES
JACK WEBSTER	ANS-149	6:15/6:30	P/U S/O FOX

PROJECT ENTRY PERMIT

DATE: 9-23-90 TIME IN: 7:55 am TIME OUT: 12:06 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: 9-23 TIME IN: 7:55 am TIME OUT: 10:00 am

NAME: L. Pekker

COMPANY: Canonie

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 9-23 TIME IN: 7:55 am TIME OUT: 10:00 am

NAME: D. Pekker

COMPANY: Canonie

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 9/23/90 TIME IN: 0745 HRS TIME OUT: 1200 HRS

NAME: CAL JWAN

COMPANY: EBASCO

BADGE No: E-4

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

PROJECT ENTRY PERMIT

DATE: 9-22-90 TIME IN: — TIME OUT: 6:40 pm

NAME: R. Porter

COMPANY: Canonic

BADGE No: C-3

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 22, 1990 and September 23, 1990

O F F S I T E

Will return September 24, 1990

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 22, 1990

Arrived at: 6:50 a.m.
Plan of Day:

* Continue required excavation on east side
* Move rip rap to channel stockpile adjacent to toe trench
* Haul excavated material to stockpile
* No clay or other west side work due to wet conditions (0.25 inches rain)

Field Observations and Activities:

* All work located on east side of river due to wet conditions. Started excavating toe trench in vicinity of sta.10+00
* Placed rip rap into temporary berm in river channel. This served to mitigate currents and minimize silt releases to river
* Backhoe excavated bank soils within toe trench footprint between station 12 and 14. Excavated material pushed into immediately adjacent piles for later relocation to common fill areas
* Material excavated below water table is silty, sandy gravel, which is not free draining. Accordingly, the material is difficult to stockpile as it is saturated with a low angle of repose.
* Surveyors placed control stakes on west side fill surface - east side also.

Left site 6:00 p.m.

RECEIVED
SEP 25 1990
EBASCO / ARC

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

DATE: 9-22-90 DAY: Sunday HRS.WRK. 10 hrs REPORT NO. 82

WEATHER INFORMATION:

TEMPERATURE: High 69 Low 47 WIND: Mph. 0-5 Dir. Varying

PRECIPITATION: 0.22 HUMIDITY: High RIVER EL: AM - PM 4.97

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		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		Stand-by		
" 963	8			
" D-6	10			
" D-5	10			
" 12G	8			
(Sheep)Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		Offsite for	Repairs	
Hertz Wtr.Trk		Stand-by		
(E. Bank) Cat 235	10			
Chipper	8			
Generator / Steam Genny		Stand-by		
1/2 ton pickup		Offsite	Repairs	
mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Start E. Bank Rip Rap Berm. Work on Toe Trench Excavation. Continue Clearing E. Bank

SAFETY Watch footing on mud and when in river. Wear life vests in river.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK # 404 (Clear E. Bank)
703 (Construct E. Bank Toe Trench)

RIVER (Any activity performed in water or gravel bar)
Rip Rap Berm for erosion control.

OTHER E. Bank Rip Rap Berm in River.

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	.06	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	166.67
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	278.00
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	476	"		
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
963 loader transported to E. Bank	No	No	

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Set toes 12+00 to 15+00 - E. Bank
- Reset toes 6+50 and 7+00 - W. Bank
- Set slope stakes on West Bank

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	11+50	- 12+50	A-11	Erosion	Control	X	
2	10+00	- 10+85	A-3	Toe Trench	Excav.	X	
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.	5, 1	50, 4
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1		Non: Work on E. Bank			
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	8:20	E. Bank	3 / 0-6, 235 Cat, 126	Class D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS: None

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

Equipment: In: _____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES: None

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

Accident/Breeches 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:

Pete Porter still onboard at 6:30pm

No Incidents to Report

Daily Progress Report

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

Sheet 2

BY: Pete Porter ~~CLIENT~~:

DATE: 9-22-90

CLIENT: Sinclair Refinery, Wellsville

~~PEPS~~

JOB NO: 88-093

LOCATION OF WORK: E. Bank

ACTIVITY:

Act ID # 404 (clear E. Bank)
- Con't clearing area to be cut sta 3+50 - sta 4+00
- cleared back to open field. approx 50' from River banks Edges.

Act ID # 703 (Construct E. Bank Toe Trench)
- excavated Toe Trench sta 10+00 - 10+85 to final excavation.
- started excavation sta 9+00 - 10+00

OTHER : E. Bank Rip Rap Diversion Berm
- placed and completed diversion berm sta 11+50 - 12+50
- placed only rip rap berm sta 12+50 - 13+50 awaiting geotextile.
- installed rip rap diversion berm perpendicular to river to allow for work further downstream at sta 14+65

F-941

(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 E. Bank

INSPECTION DATE 9-22-80

	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 10+85

4. REMARKS Bottom of Toe Trench is cobble stone. Toe Trench excavation was verified by use of a hand level and the cut of the toe stakes. Toe Trench excavation is in water

INSPECTOR _____ DATE 9-23-80

REVIEWED BY _____ DATE 9.25

FORM A-11
SHEET ____ OF ____

EROSION AND SEDIMENT CONTROL

INSPECTION DATE 9-22-90

	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 11+50 TO 12+50

OTHER _____

4. REMARKS Rip Rap diversion berm placed in river. Geotextile placed in diversion berm for Erosion Control as per Cannies' Erosion Control Plan. Rip Rap diversion berm, only Rip Rap, was placed from 12+50 - 13+50. At 14+65 a diversion berm was placed out into the river to allow for work further down stream

INSPECTOR [signature] DATE 9-24-90

REVIEWED BY [signature] DATE 9.25

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 21, 1990

Arrived at: 6:35 a.m.

Plan of Day:

* Place clay
* Work rip rap at NY dike no end
* Place rip rap in toe trench E/B

* Cal, Stubby and Dave inspected rip rap, no major findings.

* Tom called with MOD approval. I made changes, and gave to Dave at 10:00 a.m.

* Dave D. told me Canonie wanted him to go to Porter, Indiana, on Wednesday September 26, 1990, to discuss the MOD. He has asked them to come here. Bob R. is on vacation, will be back on Monday. He will talk with him then.

* Hauled clay until 7:15 p.m. Made good progress on west bank today.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 21, 1990

Arrived at: 6:50 a.m.
Plan of Day:

* Complete rip rap placement on slope sta.11 to 15
* Complete toe trench closure near station 15.
* Place dike fill on north end west dike.
* Begin excavation east side toe trench
* Continue road construction on east side.

Field Observations and Activities:

* Placed and compacted dike fill from Babbit pit between station 2 and station 12. In areas where underlying Ungerman clay was over wet, contractor bladed off the wettest material prior to covering.
* Continued spreading river gravel surfacing of access road on east side.
* Rip rap received and stockpiled on east side in preparation for toe trench work.
* Excavating bank cut and hauling to adjacent fill or stockpile areas.
* Worked until 7:30 p.m. (clay trucks until 7:10 p.m. and sealing fill thereafter). Rain expected, which will preclude further clay fill until at least Monday.
* Remainder of dike fill will be completed with Babbit clay. Which for stability, and ease of working, is superior to the more plastic Ungerman clay.

Left site at 7:30 p.m.

Left Site at 7:15 p.m.

RECEIVED
SEP 25 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 9-21-90 DAY: Friday HRS.WRK. 12 hrs REPORT NO. 81

WEATHER INFORMATION:

TEMPERATURE: High 78 Low 49 WIND: Mph. 5-10 Dir. S

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM 99.99 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 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 1 Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	12			
" 963	12			
" D-6	10			
" D-5	6		4	
" 12G	10			
(Sheep)Compactor	12			
(Smooth) "	8			
Canonie Wtr. Trk		Offsite	Repairs	
Hertz Wtr.Trk	10			
2nd Cat 235	8			
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
1/2 ton pickup		Off site	Repairs	
Mechanic Trucks & Tools	12			

MEETINGS:

PLAN OF DAY W. Bank: Babbitt Pike fill today; Complete bringing up slopes with Rip Rap in order to cut River loose; Complete toe trench: E. Bank: Finish removing topsoil pile & start toe trench.

SAFETY Be careful when dropping trees. When equipment is pulling or pushing. Keep up the good work.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 605 (Place W. Bank Rip Rap Protection)
604 (Construct W. Bank Dike)
608 (Construct W. Bank Toe Trench)

EAST BANK # 503 (Strip topsoil E. Bank)
703 (Construct E. Bank toe trench)
204 (Stake out W. Bank Dike.)

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	
CONTNTD	CY		GEOTEXTILE FAB	SY	86.7
EXCAVATION			BEDDING MATRL	CY	5.2
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	150.05
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	104	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~	26.9 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	450.13
CLAY FILL (Babbitt)	CY	1788 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)

Cross-section & Toe staking E. Brack

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	16+35 - 16+48	A-3	Toe Trench Excav.		X	
2	11+00 - 12+00	A-5	Bobbitt	Pike Fill	X	
3	11+45 - 16+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 Testing done on Clay Fill (Bobbitt)
Results included after Excavation sheets

TECHNICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 9-21-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	5, 2, 1, 2	50, 12, 8, 4
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0958	16+00	HNu	Real Time	1 ppm
2	1001	16+00	Miniram	Real Time	0.00 mg/m3
3	1003	16+00	CGI	RT	21.1% O2, 0% LEL
4	1059	5+75-15L	HNu	RT	1 ppm
5	1101	5+75-15L	Miniram	RT	0.00 mg/m3
6	1102	5+75-15L	CGI	RT	21% O2, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0950	NW dike	2/Truckhoe, loader	D	None
2	1050	N.W OF CELL	2/Compactor	D	None
3	1300	East bank	5/2 dozers, Truckhoe, Grader	D	None
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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 Sept 21, 94

Daily Progress Report

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

BY: Pete Porter ~~CLIENT~~:

DATE: 9-21-90

CLIENT: Sinclair Refinery, Wellsville

~~REPS~~

JOB NO: 88-093

LOCATION OF WORK: W. Bank / E. Bank

ACTIVITY: - W. Bank -

#604 (Construct W. Bank Dike)
- Placed clay sta 0+00 - sta 12+00
- Compacted in 1' max. loose lifts to meet Contract Specifications

608 (Construct W. Bank Toe Trench)
- Completed 13 feet on excavation and placement of materials.

605 (Place W. Bank Rip Rap Protection)
- placed Rip Rap protection from sta 16+87 - sta 16+50
- placed & shaped Rip Rap on slopes of W. Bank Dike sta 11+25 - 15+70
- placed, filled and packed in ~~toe~~ low spots and voids in Toe Trench sta 11+25 - sta 16+00 for acceptance.

E Bank -

503 (Strip topsoil E. Bank)
- Completed removing topsoil stockpile at sta 10+50 and placed on east side of haul road at sta 5+00

703 (Construct E. Bank Toe Trench)
- Started to excavate toe trench sta 9+00 - sta 10+50
- work on back slopes of toe trench

F-941

(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 W. Bank

INSPECTION DATE 9-21-90

	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. Not Visible	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 16+35 TO 16+48

4. REMARKS Bottom of Toe Trench excavation was cobble stone. Excavation was verified by use of cat on toe stake and water level. Bedding was also checked by using the water level.

INSPECTOR Bob Curtis DATE 9-22-90

REVIEWED BY _____ DATE _____

FORM A-5
SHEET ____ OF ____

FILL MATERIAL ABOVE WATER SURFACE

INSPECTION DATE 9-21-90

	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 0+00 TO 12+00

6. REMARKS _____

INSPECTOR [signature] DATE 9-22-90

REVIEWED BY [signature] DATE 9.25

FORM A-8
SHEET ____ OF ____

RIP RAP

INSPECTION DATE 9-21-90

	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 11+25 TO 16+00

5. REMARKS Rip Rap placed on slope of W. Bank Dike was worked to fill in low spots and holes in order to be accepted. Toe Trench between these Stations was re-worked by packing Rip Rap in voids and low Spots in order to acquire acceptance of Completed Toe Trench. C. Swan & D. Stubbs inspected riprap.

INSPECTOR _____ DATE 9-22-90

REVIEWED BY _____ DATE 9.25

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-21-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

No levels were found above the normal background of the HNu, CGI, Miniram on the west bank during drill work.

Personnel Sampling

none

Name	Date	IWA

Calibration Method for Equipment

HNu = 11ppm Isobutylene

CGI = 15% O_2, 50% LEL

Miniram = Zero Gas

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-21-90

Work Areas Checked: NY dike (12+00 area)
(16+00 area)
N.W of CELA (5+00 area)
East bank

Employees Present in Work Areas: Scott Hunt, Gail Reed, Phil Smith, Clint Medin, Bob Medin, Norm Tracy, Grant Mitchele, Dave Dehl, Pete Porter, Stan Ethridge

Equipment Being Utilized: 2 Trackhoes, 2 Dozers, loader, Compactor, Roller, Grader, water truck

PPE Being Utilized: level D

Accidents/Breeches of Procedures:
None

4+00 area, East Sank: Soil movement, for trench excavation

Time: 0956, Temp ≈ 50°F, pt cloudy (lifting fog), No wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
~~0956~~						
-21-90-0958	1+00	HNu	PI101	Cal = 111 ppm Isobutylene Bg = 1 ppm	1 ppm	Real Time
-21-90-1001	1+00	Miniram	PDM-3	2 day for zeroing	0.00 mg/m³	KJ
-21-90-1003	1+00	CGE	261	15% O₂, 50% LEL	21.1% O₂, 0% LEL	KJ
-21-90-1059	5+75-15L	HNu	PI101	Same	1 ppm	KJ
-21-90-1101	5+75-15L	Miniram	PDM-3	Same	0.00 mg/m³	KJ
-21-90-1102	5+75-15L	CGE	261	Same	21% O₂, 0% LEL	KJ

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 9-20-90

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

9-17-90 - pt cloudy
9-18-90 - sunny
9-19-90 - Rain
9-20-90 - Cloudy

Temps: 35°F - 65°F

Air Monitoring Summary

Fog on 9-18-90 gave higher background readings in the AM. on the HNU - (4ppm bg.)
All other levels were at normal on the HNU, CGI, Miniram.

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 24, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:39 / 8:57	9:41 / 12:33	1:33/1:38 2:29/3:34 4:30/
C-2 L. Dekker	6:39 / 12:33	1:32 /	
C-3 P. Porter	6:15 / 8:17	9:05 / 12:00	12:43/
C-4 A. Muellerleile	7:21 / 11:21	/	
C-5 C. Ettinger	6:46 / 11:55	12:04 / 12:33	12:57/ 2:15
C-6 F. Gontowski	7:02 / 12:00	12:31 / 1:40	1:55/2:55 3:10/
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:51 / 7:34	5:22/5:35	
C-10 C. Carrow	6:51 / 7:34	5:32/5:35	
C-11 B. Mckim	6:36 /	/	
C-12 C. Mckim	6:36 /	/	
C-13 G. Reid	6:34 /	/	
C-14 N. Tracy	6:47 / 12:00	/	
C-15 G. Maichele	6:27 / 6:41	6:57 / 12:51	1:04/1:36 5:45/
C-16 S. Hunt	6:25 / 6:41	6:57 / 8:02	8:25/8:30 11:30/11:33 5:45/
C-17 P. Smith	6:38 / 7:11	/	
C-18 R. Beattles	/	/	
C-19 T. Allen	6:49 / 12:01	12:27 /	
C-20	/	/	
E-1 G. Stiles	6:42 / 10:40	10:52 / 12:30	1:27/3:30 4:17/4:56 5:17/6:03
E-2 T. Granger	/	/	
E-3 S. Stiles	11:59 / 12:30	1:27 / 4:56	5:17 / 6:26
E-4 C. Swan	6:54 / 11:15	12:07 /	12:11/12:53 ~~1:53~~ 2:30/2:37 3:46/7:1
E-5 N Groves	/	/	
E-6 S. Osadich			
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:34 / 11:55	12:10 / 1:04	1:12/1:15
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 1:58	/	
S-4 T. Cobb	1:53 / 17:50	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 24, 1990

No./Name	Time In/Out			Time In/Out			
A-1	7:03/7:28	7:34/7:40	7:56/8:03	8:19/8:22	8:59/9:04	9:20/9:25	9:42/9:47
A-2	7:10/7:18	7:34/7:41	8:01/8:07	8:22/8:28	8:45/8:49	9:03/9:08	9:24/9:27
A-3	7:19/7:31	7:39/7:45	8:01/8:07	8:24/8:28	8:43/8:47	9:03/9:08	9:23/9:27
A-4	7:16/7:22	7:41/7:53	8:11/8:18	8:34/8:45	8:57/9:03	9:18/9:23	9:40/9:46
A-5	7:21/7:31	7:49/7:55	8:11/8:17	8:32/8:37	8:51/8:56	9:13/9:18	9:34/9:39

A-1	10:03/10:07	10:23/10:30	10:45/10:50	11:06/11:10	11:25/11:30	11:46/11:50	12:07/12:14
A-2	9:45/9:49	10:06/10:10	10:30/10:35	10:50/10:55	11:10/11:16	11:32/11:37	11:53/11:58
A-3	9:45/9:52	10:05/10:14	10:24/10:30	10:48/10:52	11:05/11:14	11:31/11:34	11:50/11:56
A-4	10:02/10:06	10:24/10:39	10:56/11:02	11:19/11:24	11:45/11:49	12:07/12:13	12:33/12:37
A-5	9:34/10:01	10:39/10:43	11:00/11:05	11:20/11:25	11:45/11:48	12:05/12:08	12:24/12:38

A-1	12:33/12:39	12:55/12:57	1:12/1:18	1:30/1:39	1:52/1:58	2:15/2:18	2:37/2:43
A-2	12:15/12:22	12:36/12:45	1:00/1:05	1:23/1:27	1:45/1:48	2:05/2:10	2:25/2:34
A-3	12:13/12:17	12:35/12:41	12:58/1:05	1:20/1:25	1:43/1:48	2:04/2:09	2:27/2:32
A-4	12:57/1:03	1:18/1:25	1:41/1:46	2:02/2:06	2:25/2:31	2:53/2:58	3:12/3:18
A-5	12:45/12:52	1:05/1:11	1:28/1:33	1:49/1:56	2:13/2:16	2:33/2:39	3:01/3:07

A-1	3:00/3:05	3:25/3:28	3:46/3:52	4:07/4:19			
A-2	2:53/2:59	3:14/3:21	3:36/3:43	4:01/4:06	4:31/4:36	4:52/4:56	5:15/5:20
A-3	2:50/2:55	3:14/3:19	3:36/3:41	4:00/4:06	4:25/4:31	4:50/4:56	5:13/5:19
A-4	3:34/3:41	3:56/4:05	4:23/4:28	4:49/4:54	5:21/5:15	5:35/5:43	6:01/6:06
A-5	3:24/3:30	3:49/3:54	4:12/4:18	4:36/4:42	5:01/5:07	5:24/5:30	5:48/5:54

A-1							
A-2	5:38/5:45	6:02/6:11	6:26/6:34	6:51/6:54			
A-3	5:38/5:45	6:02/6:09	6:26/6:32	6:51/6:55			
A-4	6:23/6:31	6:49/6:56					
A-5	6:10/6:18	6:37/6:44	7:02/7:10				

A-1	John Peeling	T-4
A-2	Rich Rooney	T-8
A-3	David Green	T-10
A-4	Russ Layton	RED
A-5	Dale Baker	Giant Stamping

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 21, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-6	8:[illegible]/8:21	12:20/12:34	
A-7	8:20/8:21	12:47/12:53	
A-8	8:21/8:22	12:47/12:53	
A-10	8:47/8:54	1:04/1:09	1:26/1:30 1:47/1:53 2:00/2:15 2:33/2:38 2:58/3:03 3:25/3:28
S-5	8:45/8:47	12:57/1:08	
S-6	9:[illegible]/14	1:08/1:12	
S-7	12:57/1:08	~~12:57~~	
S-			
A-10	3:46/3:51	4:09/4:14 4:34/4:40 5:00/5:05 5:22/5:28 5:45/5:51 6:09/6:16	
A-10	6:35/6:41	7:01/7:10	

A-6	Frank Charland	General Crushed Stone
A-7	Ray Charland	
A-8	James Coombs	
A-10	Lloyd Green Jr.	Greens Trucking
S-5	Rick Szagn	Spin Rite
S-6	Rick Arsenine	"
S-7	Jim Rutter	"
Dan Demming	10:10/10:28	1:46/2:00 5:00/5:03 to see 6:57/7:05
UPS	10:17/10:19	
Matt Perkins DEC	10:40/10:45	3:21/3:25 to see 6:57/7:05
James Pendleton	11:08/11:09	
Dale Saunders	2:24/2:49	Shorts oil co.
Tom Gowers	2:36/4:38	Bess on Clean
Dave Nemeth	2:44/2:54	to pick up Ruff trailer
~~Mark Dan~~ UPS	4:15/4:19	2pc. pickup

D. BEKKER	Still working
L. BEKKER	
E. Porter	
E. Gorton SR.	
D. McKee	
C. Hunter	
G. Reed	
G. Merchant	
S. Hunt	
C. Sharp	
Ted Allen	

PROJECT ENTRY PERMIT

DATE: 9-21-90 TIME IN: 6:20 am TIME OUT: 8:06 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: 9-21-90 TIME IN: _____ TIME OUT: 7:35 pm

NAME: T. Allen

COMPANY: Canonie

BADGE No: C-19

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

PROJECT ENTRY PERMIT

DATE: 9-21-90 TIME IN: _____ TIME OUT: 8:00 pm

NAME: S. Hunt

COMPANY: Canonie

BADGE No: C-16

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

PROJECT ENTRY PERMIT

DATE: 9-21-90 TIME IN: _____ TIME OUT: 8:00 pm

NAME: F. Cantowski

COMPANY: Canonie

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 9-21-90 TIME IN: — TIME OUT: 7:40 pm

NAME: B. Mckim

COMPANY: Canonie

BADGE No: C-11

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

PROJECT ENTRY PERMIT

DATE: 9-21-90 TIME IN: — TIME OUT: 7:40 pm

NAME: C. Mckim

COMPANY: Canonie

BADGE No: C-12

PROJECT ENTRY PERMIT

DATE: 9-21-90 TIME IN: _____ TIME OUT: 8:00 A

NAME: G. Michels

COMPANY: Canonie

BADGE No: C-15

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

PROJECT ENTRY PERMIT

DATE: 9-21-90 TIME IN: _____ TIME OUT: 7:40 AM

NAME: G. Reid

COMPANY: Canonie

BADGE No: C-13

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

PROJECT ENTRY PERMIT 7:40

DATE: 9-21 TIME IN: _____ TIME OUT: ~~7:40~~

NAME: Patricia Dekker

COMPANY: Canonie

BADGE No: C-2

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

PROJECT ENTRY PERMIT 7:40

DATE: 9-21 TIME IN: _____ TIME OUT: ~~6:40~~

NAME: Dave Decker

COMPANY: Cameco

BADGE No: C-1

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 20, 1990

Arrived at : 6:35 a.m.

Plan of Day:
* Place rip rap
* Strip on east bank
* Clear on east bank

* Dave D. and I went to east bank to see where they could place/stockpile material. I told him to fill the low places behind the haul road sta. 2+00 to 7+00. This will hold some, but no all. I will give him directions Friday a.m. on going into river.
* Weekly progress meeting - see minutes
* I asked Dave D. to give me a price to move the river channel at sta.1+00 to 7+00. He will talk to Bob R. and get back with me.
* Dave asked if he could place his rip rap on dirt that is outside toe trench at E/B sta. 8+00 to 12+00. I told him to go ahead.
  I mentioned that he could go ahead and cut the river channel. He said that he would call Bob R., but probably would not do anything until they got the mod and the pricing numbers.
* Dave wanted to know about excavation of the area on river side of dike at sta. 8+00 to 10+00. The river level is at 1493.0' $\pm$ and the top of toe trench is at 1490.75. Cal and I looked at this. I did not see any reason to excavate it to the toe trench elev. now. I suggested he leave it at the existing grade. He would then have a place to stockpile rip rap for his toe trench. Then excavate when toe trench is complete. He agreed. Will start hauling rip rap Friday.
* Cal and I looked at the tie in at USCOE dike and the material there. We agreed it could be blended back into the dike fill. Dave D. wanted to know how he would be paid for moving that material. I told him he would get paid for excavation of toe trench qty., But, he would not be paid for the excavation or replacement from the COE dike or for his work bench.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
September 20, 1990

Arrived at 6:55 a.m.

Plan of Day:

* Continue east side excavations, haul road construction and clearing and chipping

* Continue rip rap placement on embankment slope to station 11+00 Complete toe trench closure at transition with NY dike

* No clay today due to wet conditions in Babbit pit.

Field Observations and Activities:

* Delivered rip rap and bedding stone to west dike area to support backhoe placing rip rap on slope near sta. 11-13.
* Informed D. Dekker that rock looked segregated and rough on slope and that the adjustment and fill in with smaller stone would be required before acceptance. Suggested Q.C. inspection by Canonie to identify deficiencies which should be well marked with spray paint.
* No clay was hauled from Babbit pit, due to contractor concern for tracking mud on city streets. Contractor (Charlie Baker) dried up pit and processed to replenish stockpiles in preparation for fill placement tomorrow.
* Surveyors set toe stakes between sta. 1 and 3 to identify dike footprints.
* Surveyors set toe trench stakes on east side near sta. 10 +.
* Excavated and hauled required excavations to fill areas in preparation for toe trench excavation to start tomorrow on east side.
* Cleared trees and brush and chipped same south of powerline on eastside.

Left site at 6:30 p.m.

RECEIVED
SEP 25 1990
EBASCO / ARCO

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

DATE: 9-20-90 DAY: Thursday HRS.WRK. 10hrs REPORT NO. 80

WEATHER INFORMATION:

TEMPERATURE: High 66 Low 44 WIND: Mph. 0-5 Dir. SE

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM — PM 05.01

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. 1	
USCOE/EPA	1	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	10			
" 12G	8			
(Sheep) Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		Offsite Repairs		
Hertz Wtr. Trk		Stand-by		
(E. Bank) Cat 235	10			
Chipper	8			
Generator / Steam Genny		Stand-by		
½ ton pickup		Offsite Repairs		
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Continue Bringing up slopes and placing rip rap on W. Bank Pike ; E. Bank - Clear East Bank ; strip topsoil , construct haul road + insert temporary drainage and silt fence.

SAFETY Continue good construction safety

SCHEDULED Weekly Thursday meeting (minutes to be submitted with in 3-days)

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 605 (Place W. Bank Rip Rap Protection)

EAST BANK # 503 (strip topsoil E. Bank area)
404 (clear E. Bank)
405 (Brush E. Bank)

RIVER (Any activity performed in water or gravel bar)

OTHER Haul Road E. Bank.

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	.1	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	.35	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY	92.5	CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	50.53
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	555.42
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~~		75.79 tns
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	266.23
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
0-6	Yes	No	[signature]

Transported 0-6 to E. Bank

FIELD ENGINEERING ACTIVITIES: (surveyors)

Set rt toes Sta 2+00 to 6+00 > W. Bank

Set slope stakes Sta 0+00 - 3+00

Set rt. toes East Bank for toe trench Sta 10+50 - 5+00

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	12+02	- 10+98	A-6	Geotextile		X	
2	ON Inspection Sheet		A-7	Bedding		X	
3	"	"	A-8	Rip Rap		X	
4	2+00	- 3+50	A-1	Clearing & Grubbing		X	
5	7+00	- 19+25	A-2	Topsoil		X	
6							
7							
8							
9							
10							

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

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

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 9-20-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1, 2	80, 8, 4, 8
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0848	14+00	HNu	Real Time	1 ppm
2	0849	14+00	Miniram	R.J	~~1 ppm~~ 0.00 mg/m³
3	0850	14+00	CGI	R.J.	21% O₂, 0% LEL
4	1715	12+25	HNu	R.J.	1 ppm
5	1716	12+25	Miniram	R.J.	0.00 mg/m³
6	1717	12+25	C.G.I	R.J.	20.9% O₂, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0900	NY side	2/Trackhoe, loader	- D -	none
2	1245	East bank	5/2 dozers, Trackhoe, Hoe ram, chipper	- D -	none
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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 or accidents to report today Sept 20 1996

Daily Progress Report

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

Sheet 2

BY: Pete Porter | CLIENT: | DATE: 9-20-90

CLIENT: Sinclair Refinery, Wellsville | ~~PE/PS~~

JOB NO: 88-093 | LOCATION OF WORK: W. Bank / E. Bank

ACTIVITY: – W. Bank –

ED # 605 (Place W. Bank Rip Rap Protection)

- W. Bank Pike Slope is brought up to with 2' of existing grades Sta 15+68 - sta 11+00
- Rip Rap was only placed on slope close to final placement.

:RipRap Slope will be worked so rock will meet the Contract Drawings on 9-21-90

- Started doing Final QA/QC acceptances of the trench Sta 11+00 - sta 16+00

– E. Bank –

ID # 503 (Strip topsoil E. Bank)

- Topsoil berm between excavation and river was removed between sta 7+00 - sta 9+50 and installed silt fence for erosion control (250 X 10' X 1) = 92.5 cy
- Completed hauling topsoil pile at sta 10+50 to east side of haul road at sta 5+00
- Started pushing stockpiled topsoil along the haul road back to fill in holes

ED # 404 (Clear E. Bank) + ED #405 (Grub. E. Bank)

- cleared from Sta 2+00 - sta 3+50
- left some trees standing that were leaning over river because machine was not available to pull tree back onto the bank
- grubbed only access road. Grubbing will be completed when clearing is complete.

OTHER: Used excavated cobble stone to construct Haul Road

F-941

(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 9-20-90

	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 12+02 TO 10+98

5. REMARKS Geotextile was pulled up on slope after slope was excavated to grade. Overlap meets Contract Requirements

INSPECTOR [signature] DATE 9-20-90

REVIEWED BY [signature] DATE 9.25

BEDDING

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 9-20-90

	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 15+00 TO 15+68
12+80 to 11+00

5. REMARKS Bedding placement was verified by probing.

INSPECTOR Robert Porter DATE 9-21-90

REVIEWED BY MA DATE 9-25

RIP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 9-20-90

	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			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 15+00 / 13+70 TO 15+68 / 11+00

5. REMARKS Rip Rap was ~~placed~~ placed on Slopes. Final ~~placement~~ Shaping will be done 9-21. Started doing Final QA/QC acceptance of toe trench

INSPECTOR _____ DATE 9-21-90

REVIEWED BY _____ DATE 9-25

FORM A-1
SHEET ____ OF ____
INSPECTION DATE 9-20-80

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.	____	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. LOCATION (APPROXIMATE)

DIKE STATION 2+00 TO 3+50

4. REMARKS Area Cleared meets clearing requirements. A few trees were left due to the fact a machine is needed to pull them back so they will not drop into the river. Grubbing will be done when clearing is completed

INSPECTOR _____ DATE 9-20-80

REVIEWED BY _____ DATE 9.25

FORM A-2
SHEET ____ OF ____
INSPECTION DATE _____

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 7+00 TO 19+25

4. REMARKS Topsoil berm was removed sta 7+00 - 9+50 and silt fence installed. Con't removing topsoil pile to sta 7+00 on east side of haul road. Pushed topsoil berm back ~20' past haul road from 7+00 - 9+00.

INSPECTOR _____ DATE 9-21-90

REVIEWED BY _____ DATE 9.25

PM Activities Same as AM.

Time: 0845, Temp ≈ 57°F, Pt cloudy, slight NW wind
Time: 1714, Temp ≈ 64°F, Cloudy, Slight NW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/20/90 - 0848	14+00	HNu	PI101	Cal = 111 ppm Isobutylene Bg = 1 ppm	1 ppm	Real Time
1/20/90 - 0849	14+00	Miniram	PDM-3	Z-log for zeroing	0.00 mg/m³	RT
1/20/90 - 0850	14+00	CGI	261	15% O_2, 50% LEL	21% O_2, 0% LEL	RT
1/20/90 - 1715	12+25	HNu	PI101	Same	1 ppm	RT
1/20/90 - 1716	12+25	Miniram	PDM-3	Same	0.00 mg/m³	RT
1/20/90 - 1717	12+25	CGI	261	Same	20.9% O_2, 0% LEL	RT

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-20-90

Work Areas Checked: NY dike
East bank

Employees Present in Work Areas: Grant macchiole, Phil Smith, Scott Hunt, Dail Reid, Bob mckim, Chris mckim, Norm Tracy, Pete Porter, Frank Dantowski, Allen muckelvile, Dave Lekker, Plant Ettinger

Equipment Being Utilized: 2 dozers, 2 Trackhoes, loader, dipper, Grader, roller

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-20-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

~~No~~ levels above background/normal were found on the HNu, CGI, miniram during work on the dike at the 14+00 area

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% O_2, 50% LEL

miniram = Z-bag for Zeroing

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 20, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:35 / 7:21	[illegible] / [illegible]	12:56/1:49 2:29/3:07 5:36/
C-2 L. Dekker	6:35 / 11:51	12:56 /	
C-3 P. Porter	6:45 / 7:21	8:12 / 9:34	5:42
C-4 A. Muellerleile	7:13 / 10:53	11:00 / 12:03	12:33/4:15 5:40/
C-5 C. Ettinger	6:54 / 9:22	10:07 / 10:38	10:58/12:03 12:14/12:38 5:07/5:42
C-6 F. Gontowski	6:58 / 7:34	7:37 / 7:38	12:17/1:03 1:23/
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:54 / 12:23	12:32 / 5:36	
C-10 C. Carrow	6:54 / 12:23	12:32 / 5:30	
C-11 B. Mckim	6:41 / 7:24	7:43 / 8:46	9:05/9:12 11:32/11:35 1:58/3:07 5:23/5
C-12 C. Mckim	6:41 / 7:23	/	
C-13 G. Reid	6:28 / 7:23	5:25/5:32	
C-14 N. Tracy	6:48 / ~~6:03~~ 6:04	/	
C-15 G. Maichele	6:30 / 6:42	6:55 / 7:34	7:43/7:48 5:27/5:48 6:11/6:14
C-16 S. Hunt	6:26 / 6:42	6:55 / 7:24	8:05/8:43 1:17/1:27 2:00/2:34 3:11/5:4
C-17 P. Smith	6:42 / 7:18	/	6:11/6:14
C-18 R Bartels	~~6:57~~ /	/	
C-19 T. Allen	6:57 / 7:23	12:25 / 12:30	5:25/5:32
C-20	/	/	
E-1 G. Stiles	6:41 / 7:36	8:35 / 9:15	10:44/11:48 12:28/4:50 5:34/
E-2 T. Granger	/	/	
E-3 S. Stiles	6:41 / 3:20	4:17 /	
E-4 C. Swanson	6:55 / 7:36	8:35 / 12:03	1:04/4:50 5:39/6:25
E-5 M. Geckeis	6:57 / 7:46	9:59 / 10:23	11:08/11:37 1:50/2:0[illegible] 2:45/2:18 3:24/
E-6 S. Oberlin	6:57 / 7:46	9:59/10:23	12:15/12:25 1:12/1:15 2:15/2:48 3:30/
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:24 / 11:51	11:57 / 1:28	
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	1:50 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 20, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Charlie Baker	6:58/7:10		
Manley Clark	7:59/7:59		Unger man
S-5 Dale Baker	8:20/4:20		
A-1	8:17/8:43	1:09/1:09	5:16/5:35
A-2	8:21/8:43	12:31/12:41	4:53/4:47
A-3	8:29/8:43	1:00/1:09	5:14/5:35
A-4	8:35/8:49	12:47/12:58	4:34/4:50
A-5	9:00/9:14	10:17/10:45	11:26/11:44 4:01/4:30
A-1	Jim Ratter		Spin Rite
A-2	Frank Charland (64)		General Crushed Stone
A-3	Bob Hall		Spin Rite
A-4	Ray Charland (63)		General Crushed Stone
A-5	Boyd Green Jr.		Green's Trucking
David Alwood		9:18/9:34	Otis Eastern
Jim Fanton		9:18/9:34	Otis Eastern
UPS		10:18/10:20	
Fed Ex		1:52/1:59	Jr. Delivery
Date Enders		2:30/2:57	Stevens oil co.
UPS		3:58/3:59	4x pickup
D. SEKKER			
L. SEKKER			
E. Porter			
K. Mancini-Ivele			
E. Gwozdowski			
O. Styles			
S. Styles			

PROJECT ENTRY PERMIT

DATE: 9-20-90 TIME IN: _____ TIME OUT: 7:30 pm

NAME: F. Gonzalez

COMPANY: Canonic

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 9-20-90 TIME IN: _____ TIME OUT: 7:00 pm

NAME: A. Mullerleile

COMPANY: Canonic

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 9-20-90 TIME IN: _____ TIME OUT: 7:56 pm

NAME: P. Porter

COMPANY: Canonic

BADGE No: C-3

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

PROJECT ENTRY PERMIT

DATE: 9-20-90 TIME IN: 6:40 AM TIME OUT: 7:45 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: 9-20 TIME IN: _____ TIME OUT: 6:35 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: 9-20 TIME IN: _____ TIME OUT: 6:35 pm

NAME: Donna Dekker

COMPANY: Connie

BADGE No: C-2

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 19, 1990

Arrived at 6:35 a.m.

Plan of Day:

* Continue rip rap at NY dike
* Continue top soil stripping on east bank
* Asked Canonie to set a stop sign at Y.

* Dave asked about hauling material away from USCOE dike again. I told him to use it there. He also asked about T/S stripping at east bank and removal of gravel. I told him he does not need to move very much at dike area as he is at grade already.

* Started raining at 8:45 a.m. Stopped clay haul at 9:30 a.m.
* Neil Geevers and Sue Ogalvich came to site at 10:10 a.m.
* Site visit for powerhouse cleanup was conducted from 11:00 a.m. to 12:00 noon. Eleven reps from nine companies were present.
* Site visit for oil separator cleanup was conducted from 1:00 p.m. to 2:30 p.m. Nine reps from six companies were present. OHM took sample of oil and sludge.
* Dave D. and Alan M. asked for information about work on east bank. I briefed them on what I know, and told them I would let them know as soon as I am given the word.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 19, 1990

Arrived at: 6:50 a.m.
Plan of Day:

* Place and compact dike fill Sta. 0+00 + Sta. 3+00

* Trim overbuild, under filter fabric. Place bedding stone and rip rap on slope between NY dike and Sta. 12+00

* Start excavation and stockpiling within toe trench foot print

Field Observations and Activities:

* Dike fill placements of material from Babbit pit continued, but were shut down at approximately 8:30 a.m. when light rain began

* Number one backhoe working embankment slope between dike Sta. 15 and 14 (trimming, laying filter fabric and placing bedding stone and rip rap.

* Surveyors staking out baseline on east side

* Number two backhoe excavating and loading trucks with required excavations over toe trench. Material being stockpiled for later use as common fill (decision for intermediate stockpiling - double handling is contractors) clearing of trees and vegetation continued up river on east side to 50' north of power line.

* Installed silt fencing around stockpiles

* Contractor spreading river gravel excavated from toe trench and tie in cut with C.O.E. dike. Informed Dave Dekker this material would not be paid for as dike fill $25.00 yard as it was being used for his convenience. (to avoid having to spoil area behind NY dike)

Left Site at 7:15 p.m.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

SEP 25 1990

EBASCO / ARCO

DATE: 9-19-90 DAY: Wednesday HRS.WRK. 10 hrs. REPORT NO. 79

WEATHER INFORMATION:

TEMPERATURE: High 60 Low 46 WIND: Mph. 0-5 Dir. Varying

PRECIPITATION: 0.16" HUMIDITY: Mod RIVER EL: AM - PM 4.88

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	2	P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS			CANONIE SUB. App Surveyors
"			SUPV. ___ EMPS. ___
USCOE/EPA		1	SUB.
"			SUPV. ___ EMPS. ___
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers ___ Others ___

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	8			
" D-6	8			
" D-5	10			
" 12G	8			
(Sheep) Compactor	4	Stand-by		
(Smooth) "	4	Stand-by		
Canonie Wtr. Trk		Off site	For Repairs	
Hertz Wtr. Trk		Stand-by		
2nd Cat 235	10			
Chipper	8			
Generator / Steam Genny		Stand-by		
1/2 ton pickup		Off site	Repairs	
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Bring slope up on W. Bank Dike with Geotextile Bedding + Rip Rap Haul Rabbit Dike Fill. E. Bank Haul Road and clearing if starts to Rain.

SAFETY Have fire extinguisher for east bank Cat 235 Make sure to look over equipment for anything wrong. Good Construction Safety.

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)
605 (Place W. Bank Rip Rap Protection)

EAST BANK # 503 (Strip topsoil E. 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	.24	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	.1	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY	288.9	CLAY FILL (a.66.4)	CY	111.0
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	45.6
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	126.0
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~~		68.38 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	189.9
CLAY FILL (3.66.4)	CY	111.0	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)

Cross-section original Ground & Stripped Ground (E. Bank)
Set offsets from 14+00 - 15+25 E. Bank

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	0+00 - 2+50	A-5	(Babbitt)		X	
2	15+20 - 12+02	A-6	Geotextile		X	
3	15+00 - 12+80	A-7	Bedding		X	
4	15+00 - 13+20	A-8	Rip Rap		X	
5	19+85 - 20+48 & 0+00 - 2+00	A-1	Clearing + Grubbing		X	
6	8+15 - 12+00	A-2	Topsoil		X	
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS No test was made today for 111 cy of Babbitt material brought and placed on site due to rain.

TECHNICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 9-19-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	7, 1, 1	70, 4, 2
"C"		
"B"		
OTHER		

AIR MONITORING:

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

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1005	NY dike	2/Trackhoe	D	None
2	1115	East bank	5/Trackhoe, dozer, chipper	D	None
3	1300	East bank	5/Trackhoe, chipper, dozer	D	None
4	1630	NY dike	2/Trackhoe	D	None
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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 Sept. 19, 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: 9-19-90 | HOURS ON SITE: 10 hrs

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

- W. Bank -

Act # 604 (Construct W. Bank Dike)
- placed 111.0 cy of Babbitt Dike Fill
- no test performed today due to rain
- brought up slopes on W. Bank Dike from Sta 15+70 - Sta 12+00 according to the contract Drawings for placement of materials
- Clay operation shut down due to mud on Highway. & rain

Act # 605 (Place W. Bank Rip Rap Protection)
- Geotextile was brought up slopes : Sta 15+70 - Sta 12+07
- Bedding stone placed on Geotextile to conform with the Contract Drawings from Sta 15+00 - 12+80
- Rip Rap was placed on top of bedding on slopes from Sta 15+00 - Sta 13+70
- Rip Rap requires dressing up and will be done 9-20 / 9-21 for final approval

- E. Bank -

Act # 503 (Strip topsoil E. Bank)
- stripped topsoil 8+75 - 12+00
- loaded truck and hauled to ~ sta 0+50 (next to weir) and stockpiled
- stockpile was surrounded by silt fence at end of day to prevent erosion.

Act # 404 (Clear E. Bank) + # 405 (Grub E. Bank)
- clear ~ 257' 40 feet from river banks Edge
- grubbed only access road for chipper
- grubbing will be completed when clearing is completed.

(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 9-19-90

	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 0+00 TO 2+50

6. REMARKS Operation Shut Down Due to mud on Roads

INSPECTOR [signature] DATE 9-20-90

REVIEWED BY [signature] DATE 9.25

GEOTEXTILE

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 9-19-90

	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 15+70 TO 12+02

5. REMARKS Geotextile was brought up on slope with required overlap.

INSPECTOR [signature] DATE 9-20-90

REVIEWED BY [signature] DATE 9-25

BEDDING

FORM A-7
SHEET ____ OF ____
INSPECTION DATE _____

	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 15+00 TO 12+80

5. REMARKS Thickness of bedding stone was verified by probing.

INSPECTOR _____ DATE 9-20-80

REVIEWED BY _____ DATE 9-25

FORM A-8
SHEET ____ OF ____

RIP RAP

INSPECTION DATE 9-19-90

	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 15+00 TO 17+20

5. REMARKS Rip Rap was placed on slopes. Rip Rap will be dressed up throughout 9-20-90 operations

INSPECTOR _____ DATE 9-20-90

REVIEWED BY _____ DATE 9-25

FORM A-1
SHEET ____ OF ____

CLEARING AND GRUBBING (E. Bank)

INSPECTION DATE 9-19-90

	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 _____

3. LOCATION (APPROXIMATE)

DIKE STATION 19+95 0+00 to 20+42 TO 2+00

4. REMARKS
- Cleared remaining distance to cut on E. Bank and 200' into the cut
- St. 20+42 is equivalent to 0+00
- Cleared 40' from River Banks edge
- Grubbed access road for chipping operation
- Remaining Grubbing will be completed when clearing is completed.

INSPECTOR _____ DATE 9-20-90

REVIEWED BY _____ DATE ~~AM~~ 9.25

FORM A-2
SHEET ____ OF ____

TOPSOIL STRIPPING

INSPECTION DATE 9-19-90

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 _____

3. LOCATION (APPROXIMATE)

DIKE STATION 8+75 TO 12+00

4. REMARKS Topsoil was stockpiled for loading of trucks. Topsoil hauled to sta 0+50 and stockpiled.

(325)(.5)(40) = 288.9

INSPECTOR _____ DATE 9-20-90

REVIEWED BY _____ DATE 9.25

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-19-90

Work Areas Checked: NY dike
East Bank

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

Equipment Being Utilized: 2 Trackhoes, D-5 dozer, loader, chipper, D-6 dozer, chainsaws

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-19-90

Equipment: None

Real-Time Air Monitoring Results and Work Area

No air monitoring today - Rain

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept 19 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:45/8:35	9:06/10:35	11:41/11:52 12:09/12:11 0:51/12:53
C-2 L. Dekker	6:45/12:11	/	1:25/~~1:27~~
C-3 P. Porter	6:46/7:17	11:41/11:52	12:19/12:46 1:14/1:57 3:35/
C-4 A. Muellerleile	7:17/8:38	8:52/11:00	11:55/12:04 12:50/6:21
C-5 C. Ettinger	6:45/7:54	11:30/11:34	11:55/11:59 2:54/5:35
C-6 F. Gontowski	7:10/8:48	9:22/12:04	12:50/~~1:55~~ 5:56
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:50/7:29	5:08/5:35	
C-10 C. Carrow	6:50/7:29	8:39/8:58	5:08/5:55
C-11 B. Mckim	6:40/10:25	4:40/4:46	5:20/5:55
C-12 C. Mckim	6:36/10:25	~~4:40/4:46~~	
C-13 G. Reid	6:43/10:25	4:40/4:46	5:20/5:55
C-14 N. Tracy	6:50/5.35	/	
C-15 G. Maichele	6:25/6:43	7:00/10:30	5:38/5:46 5:59/6:01
C-16 S. Hunt	6:30/6:43	7:00/11:53	12:06/3:59 4:15/5:46 5:59/6:03
C-17 P. Smith	6:44/7:14	/	
C-18 R. Battles	6:50/7:29	5:08/5:35	
C-19 T. Allen	7:00/10:30	5:35/5:44	
C-20	/	/	
	10:57		
E-1 G. Stiles	6:46 ~~10:14~~	11:59/12:25	1:17/2:25 2:59/~~3:01~~
E-2 T. Granger	/	/	
E-3 S. Stiles	11:50/12:25	1:17/5:47	
E-4 C. Swan	6:52/12:25	1:17/2:30	2:59/3:41 5:24
~~E-5~~ N. Geevers E-7	10:13/10:18	10:25/~~10:57~~	1:59/12:25 1:17/1:22
C/E-4 S. Obaditch	10/25/10:57	11:59/12:25	1:17/2:20
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:20/11:46	12:5/1:25	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	9:45/19:52	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/12:00	/	
S-4 T. Cobb	1:59/6.30	/	
S-5 A. Fox	12:02/2.12	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept 1st, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Charlie Baker C/E-3	9:15/9:55	10:37/10:57 1:32/1:36	Baker Excavating
Norm Kehl E-5	9:54/10:57	12:01/12:02	Empire Building Diagnostics
George Roehling E-6	10:03/10:57	11:45/11:45	Niagara Insulations
Ray Lenz E-7	10:03/10:57	11:45/11:45	"
Steve Wappener E-8	10:03/10:57		Frontier Insulation
UPS	10:11/10:15		
Dave Cash E-2	10:25/10:57	1:17/2:20 3:49/4:35	OHM Corp.
Songer E-10	10:25/10:57	12:53/2:20 3:49/4:03	Allwash
Dave Taylor C/E-3	10:25/10:57		OHM Corp.
Dave Houriban C/E-5	10:36/10:57	12:00/12:02	AAC Contracting
Joe Carpinski C-20	12:30/1:20		KEX/Copy Source
Phil Delnca A-7	12:35/12:40	1:25/2:20	Seven Sun
Pat Stantamire A-8	12:35/12:40	1:25/2:20	Seven Sun
Dale Baker C/E-2	12:40/12:46	1:14/1:15	Baker Excavating
Steve Kraczovich	1:03/2:20		I T
Joel Johnson A-9	1:03/2:20		Hamlex Environmental
Mark Kraczcz S-7	1:27/2:20	3:49/4:35	OHM Corp
Jon Bass S-8	1:27/2:20	3:49/4:35	"
Pam Watkins S-7	1:27/2:20	3:49/4:35	"
Tom Gowan C-20	1:28/3:18		Beam Clean
DHL	1:56/1:59		
Fed Ex	3:05/3:06		
Dale Zanders	3:51/4:05		Shorts Oil Co
UPS	4:26/4:28		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 19 1990

No./Name	Time In/Out		Time In/Out		Remarks
A-1 7:59/8:07	5:29/5:35				
A-2 8:19/8:29	12:15/12:29	4:46/5:06			
A-3 8:23/8:46	1:15/1:35	5:23/5:30			
A-4 8:23/8:46	1:15/1:35	5:23/5:30			
A-5 9:06/9:18	10:18/10:35				
A-6 5:00/5:05					
S-5 7:36/7:41	8:00/8:07	8:25/8:31	8:48/8:53	9:10/9:25	
S-6 8:21/8:22	8:42/8:47	9:04/9:20			
S-7 8:34/8:38	8:56/9:25				
S-8 8:52/9:24					

A-1	Monty Clark	Journeyman
A-2	Jim Ratten	Spin Rite
A-3	Frank Charland	General Crushed Stone
A-4	Ray Charland	"
A-5	Boyd Green Jr	Green's Trucking
A-6	Chet Perry	Alfred Atlas
S-5	Dale Baker	Sykes Excavating
S-6	John Perkins	"
S-7	Russ Layton	"
S-8	Boyd Green	"

PROJECT ENTRY PERMIT

DATE: 9-19-90 TIME IN: _____ TIME OUT: 7:15 am

NAME: P. Porter

COMPANY: Canonie

BADGE No: C-3

PROJECT ENTRY PERMIT

DATE: 9-19 TIME IN: _____ TIME OUT: 6:45 pm

NAME: [illegible]

COMPANY: Canonie

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 9-19 TIME IN: _____ TIME OUT: 6:45 pm

NAME: [illegible]

COMPANY: Canonie

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 9-19-90 TIME IN: 6:35Am TIME OUT: 8:10PM

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: 9/19/90 TIME IN: _____ TIME OUT: 7:05 PM

NAME: Cal Swan

COMPANY: EBASCO

BADGE No: E-4

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 18, 1990

Arrived at: 6:55 a.m.
Plan of Day:

* Complete toe trench transition at tie in with NY dike.
* Construct dike at north end with material from Babbit pit.
* Place river gravel on east bank haul road.

Field Observations and Activities:

* Excavated toe trench, layed filter fabric and placed bedding stone and rip rap. Toe trench tie in with NY dike not completed because of Canonie concern that the required river diversion into toe trench channel would erode unprotected sections of dike slope. Backhoe spread stone pile of waste sandstone rock to fill low areas.

* Placed dike material between sta.0+ and sta. 3 to even up grade and fill bench cut. All material coming from Babbit pit which consists of silty, clayey sand and gravel material, is made stable and less weather sensitive than fat clay from Ungerman.
* Placed gravel obtained from town stockpiles on east bank haul road.

* Surveyors staking east side baseline

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 18, 1990

Arrived at 6:35 a.m.

Plan of Day:
* Haul and place clay (Baker)
* Work toe trench tie in NY dike
* Work on haul road on east bank.

Dave D. asked where to haul the excess material from the USCOE dike. I told him it is from the existing dike, and could be put back.

Hauled clay until 7:15 p.m.

RECEIVED

SEP 25 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 9-18-90 DAY: Tuesday HRS.WRK. 12hrs REPORT NO. 78

WEATHER INFORMATION:

TEMPERATURE: High 70 Low 35 WIND: Mph. 0-10 Dir. Varying

PRECIPITATION: .07 HUMIDITY: md RIVER EL: AM 4.98 PM 4.92

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		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	12			
" 963	12			
" D-6	12			
" D-5	12			
" 12G	10			
(Sheep) Compactor	8			
(Smooth) "	8			
Canonie Wtr. Trk		Offsite Repairs		
Hertz Wtr. Trk	8			
2nd 235 Cat	12			
Chipper		Stand-by		
Generator / Steam Genny		Stand-by		
1/2 ton pickup		Offsite Repairs		
mechanic Trucks & Tools	12			

MEETINGS:

PLAN OF DAY E. Bank : Haul Road & Strip Topsoil
W. Bank : Toe Trench Sta 16+00 - Sta 17+00 and
Babbitt Pike Fill sta 0+00 - 3+50

SAFETY Fire extinguisher in new 235 box.
Site entrance Safety review given to Todd Allen
Need Port-o-potty for E. Bank

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)
604 (Construct W. Bank Pike)

EAST BANK #503 (Strip topsoil E. Bank Area)

RIVER (Any activity performed in water or gravel bar)

OTHER Haul Road E. Bank

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	573.33	CLAY FILL	CY	1264
CONTNTD	CY		GEOTEXTILE FAB	SY	346.7
EXCAVATION			BEDDING MATRL	CY	31.28
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	234.45
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~~	73.57 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	259.45
CLAY FILL (Rabbit)	CY	1264	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	1000		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Set toes (Lt) 16+50 & 17+00

Cross-section original Ground on East Bank

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	16+48 - 17+00	A-3	Toe Trench	Excav.	X	
2	16+48 - 17+00	A-6	Geotextile		X	
3	16+50 - 17+00	A-7	Bedding		✓	
4	16+00 - 17+00	A-8	Rip Rap		X	
5	0+00 - 4+75	A-5	Dike Fill	(a.b.H)	X	
6	3+00 - 9+00	A-2	Topsoil		X	
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Sampling done on Backfill Dike Fill

Results enclosed.

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY 9-18-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 2	96, 9, 6
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0956	16+00-20L	HNu	Real Time	4 ppm
2	0957	16+00-20L	CGI	R.J.	20.3% O_2, 0% LEL
3	0959	16+00-20L	Miniram	R.J.	0.00 mg/m³
4	1007	5+00	HNu	R.J.	4 ppm
5	1008	5+00	Miniram	R.J.	0.03 mg/m³
6	1009	5+00	CGI	R.J.	20.3% O_2, 0% LEL
7	1637	4+75	HNu	R.J.	— Battery dead
8	1638	4+75	Miniram	R.J.	0.10 mg/m³
9	1639	4+75	CGI	R.J.	21% O_2, 0% LEL
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1015	N.W of CELA	2/dozer, Compactor	D	None
2	1130	NY Nike (16+00 area)	4/Trackhoe, loader	D	None
3	1500	East Bu-K	2/dozer Trackhoe	D	- Trackhoe needed fire extinguisher
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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 Sept 15, 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: 9-13-90 | HOURS ON SITE: 12 hrs

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)
completed: excavation 16+48 - 17+00,
Geotextile 16+48 - 17+00
Bedding 16+50 - 17+00
Rip Rap 16+50 - 17+00
In order to execute the work on the toe trench, a Rip Rap berm was extended 24' into the river to slow the flow of the river for correct placement of materials in toe trench.

Act ID # 604 (Construct W. Bank Bike)
- Imported 1264 cy of Babbitt Bike Fill
- Placed ~ Sta 0+00 - 4+75
- Placed in 1' max loose lifts and compacted to meet Contract Specifications.
- Results follow inspection sheets
  - Compaction Results
  - Moisture Results
  - Gradation Sheets

Act. ID # 503 (Strip topsoil E. Bank Area)
- completed initial stripping of topsoil from Sta 3+00 - 9+00 and leaving an approx. 10' berm between the river and the cut for erosion control.
(600 X 40 Y .6) = 533.3 cy

OTHER: Spread out COE Rip Rap Pile at Sta 15+25 outside the trench on sand Bar

(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: 9-28-90
HOURS ON SITE: 12 hrs

PROJECT LOCATION: Sinclair Refinery
WEATHER & TEMPERATURE:

JOB NO: 88-093
LOCATION OF WORK: W. Bank / E. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

OTHER :

- East Bank Haul Road constructed to Sta 8+75 by using Pit Run Gravel located next to Weir.
- Placed ~ 150' of geotextile underneath Haul road on E. Bank to support road.

(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 W. Bank

INSPECTION DATE 9-18-90

	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. Not visible	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 16+48 TO 17+00

4. REMARKS Bottom of Toe Trench excavation was cobble stone material. A Rip Rap diversion berm was placed 24' out into the river in order to execute the work on the toe trench. Excavation was checked by existing water level by using the cut on the toe trench stake

INSPECTOR _____ DATE 9-19-90

REVIEWED BY _____ DATE 9/25

FORM A-6
SHEET ____ OF ____

GEOTEXTILE W. Bank

INSPECTION DATE 9-18-90

	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 16+48 TO 17+00

5. REMARKS The installed diversion ramp made it possible to install the geotextile according to the Contract Drawings

INSPECTOR [signature] DATE 9-18-90

REVIEWED BY [signature] DATE 9.25

FORM A-7
SHEET ____ OF ____
INSPECTION DATE _____

BEDDING W. Bank

	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 16+50 TO 17+00

5. REMARKS Bedding stone was also checked by existing water level.

INSPECTOR _____ DATE 9-19-90

REVIEWED BY AA DATE 9.25

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 9-18-90

RIP RAP W. Bank

	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			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 16+90 TO 17+00

5. REMARKS Final in place thickness was checked by sounding with the 235- Cat backhoe bucket. Final thickness will be verified by surveying. Toe Trench Rip Rap may need to be touched up after surveying when the river clears. The Rip Rap diversion berm was placed at +- Sta 17+05

INSPECTOR _____ DATE 9-19-90

REVIEWED BY _____ DATE 9.25

FORM A-5
SHEET ____ OF ____

FILL MATERIAL ABOVE WATER SURFACE W. Bank INSPECTION DATE 9-18-80

	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 0+00 TO 4+75

6. REMARKS _____

INSPECTOR [signature] DATE 9-19-80

REVIEWED BY [signature] DATE 9.25

FORM A-2
SHEET ____ OF ____

TOPSOIL STRIPPING E. Bank INSPECTION DATE 9-19-90

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 _____

3. LOCATION (APPROXIMATE)

DIKE STATION 3+00 TO 9+00

4. REMARKS Completed initial topsoil stripping down to cobble stone leaving ~ 10' wide berm between river and stripped ground.

INSPECTOR _____ DATE 9-19-90

REVIEWED BY _____ DATE 10.25

Canonie

By EJG Date 9/18/90 Subject Density Test Results Sheet No. 5 of

Chkd. By Date Proj. No. 88-093

1/4" X 1/4"

Test No.	24	25	26	27	28	29
Location	Sta. 13+30 R Ungerman Clay	Sta. 14+25 R Babbit Fill	Sta. 16+00 R Babbit Fill	Sta. 14+55 L Babbit Fill	Sta. 13+25 L Babbit Fill	Sta. 11+40 L
WD (pcf)	120.9	136.2	141.8	142.0	141.2	120.8
Method	SC	SC	SC	N	N	N
% M	24.5	10.2	10.2	10.8	10.8	29.4
Method	O	O	O	N	N	O
DD (pcf)	97.1	123.6	128.7	128.2	127.4	93.4
Date	9/13/90	9/13/90	9/13/90	9/14/90	9/14/90	9/14/90
Time	17:10	17:50	18:20	15:25	15:40	15:50
Elev. (Ft)	1498.7	1501.6	1503.8	1503.4	1501.4	1497.6
Proctor Value (pcf)	96.6	125.5	128.2	128.2	128.2	96.6
Proctor #	# 5	TP-4	TP-1	TP-1	TP-1	#5
Opt. Moist. (%)	24.7	10.5	10.6	10.6	10.6	24.7
% Proctor	100.5	98.5	100.4	100.0	99.4	96.7

Note: S = Speedy
O = Oven
N = Nuclear

SC = Sand Cone
T = Tube Density

Canonie

By EJG Date 9/19/90 Subject Density Test Results Sheet No. 6 of

Chkd. By Date Proj. No. 88-093

1/4" X 1/4"

Test No.	(30)	(31)	(32)
Location	Sta. 2+40 Lower Bench Babbit	Sta. 1+70 L Babbit	Sta. 3+50 L Babbit
WD (pcf)	139.6	140.9	141.7
Method	N	N	N
% M	9.1	9.9	10.7
Method	N	N	N
DD (pcf)	128.0	128.2	128.0
Date	9/14/90	9/18/90	9/18/90
Time	16:15	16:44	17:27
Elev. (Ft)	1493.1	1496.4	1498.5
Proctor Value (pcf)	128.2	128.2	128.2
Proctor #	TP-1	TP-1	TP-1
Opt. Moist. (%)	10.6	10.6	10.6
% Proctor	99.8	100.0	99.8

Note: S = Speedy SC = Sand Cone
O = Oven T = Tube Density
N = Nuclear

Canonie

By FJG Date

Chkd. By ___ Date ___

Subject % < # 200 Sieve Data Sheet No. B of

Partial River Channelization Proj. No. 88-093

1/4" X 1/4"

Sample #	G-8 (20)	G-9 (21)	G-10 (23)	G-11 (24)	G-12 (25)	G-13		
Location	Sta. 12+15 Far Left El. 1493.9	Sta. 18+18 ℄	Sta. 20+20 ℄	Sta. 13+30 R	Sta. 14+25 R	Babbit Stockpile Prior To Any Trucking Operations		
Date	9/11/90	9/17/90	9/17/90	9/17/90	9/17/90	9/17/90		
Tare #	(2)	(3)	(1)	(2)	(A)	(C)	(5)	(8)
Tare Wt. (g)	88.4	90.0	90.5	88.4	87.7	13.4	13.3	13.2
Wet Soil + Tare (g)	368.9	737.8	835.7	515.1	805.0	795.3	698.0	739.3
Dry Soil + Tare (g)	311.7	677.0	767.8	431.2	738.6	734.7	638.2	672.8
Moisture (%)	25.6	10.4	10.0	24.5	10.2	8.4	9.6	10.1
Dry Soil + Tare (g) After Washing	89.3	390.1	450.8	126.4	446.2	407.2	358.0	355.4
% < # 200 Sieve (%)	99.6	48.9	46.8	88.9	44.9	45.4	44.8	48.1
		Babbit Fill	Babbit Fill		Babbit Fill	Babbit Fill		

GRAIN SIZE ANALYSIS-MECHANICAL Data Sheet 5

Project Part. River Channelization Job No. 88-093

Location of Project Wolcsville, NY Boring No. — Sample No. 1

Description of Soil Babbit Fill Depth of Sample From Initial Stockpile

Tested By FJG Date of testing 9/18/90 & 9/19/90

Soil Sample Size (ASTM D1140-54)

Nominal diameter of largest particle	Approximate minimum Wt. of sample, g
No. 10 sieve	200
No. 4 sieve	500
3/4 in.	1500

Wt. of dry sample + container	6313g
Wt. of container	127.4g
Wt. of dry sample, W_1	6185.6g

Sieve analysis and grain shape

Sieve no.	Diam. (mm)	Wt. retained (g)	% retained	% passing
1"	25.0	290.2	4.7	95.3
3/4"	19.0	241.5	3.9	91.4
1/2"	12.5	263.6	4.3	87.1
3/8"	9.5	172.6	2.8	84.3
#4	4.75	432.2	7.0	77.3
#10	2	454.6	7.3	70.0
#20	850μm	24.4 x 10.6 = 258.6	4.2	65.8
#40	425μm	13.4 x 10.6 = 142.0	2.3	63.5
#60	250μm	10.2 x 10.6 = 108.1	1.7	61.8
#100	150μm	18.9 x 10.6 = 200.3	3.2	58.6
#200	75μm	51.7 x 10.6 = 348.0	8.9	49.7
PAN		(3.6 x 10.6) + (6313 - 3278) = 3073.2	49.7	

% passing = 100 − ∑ % retained.

TOTAL 6184.9g

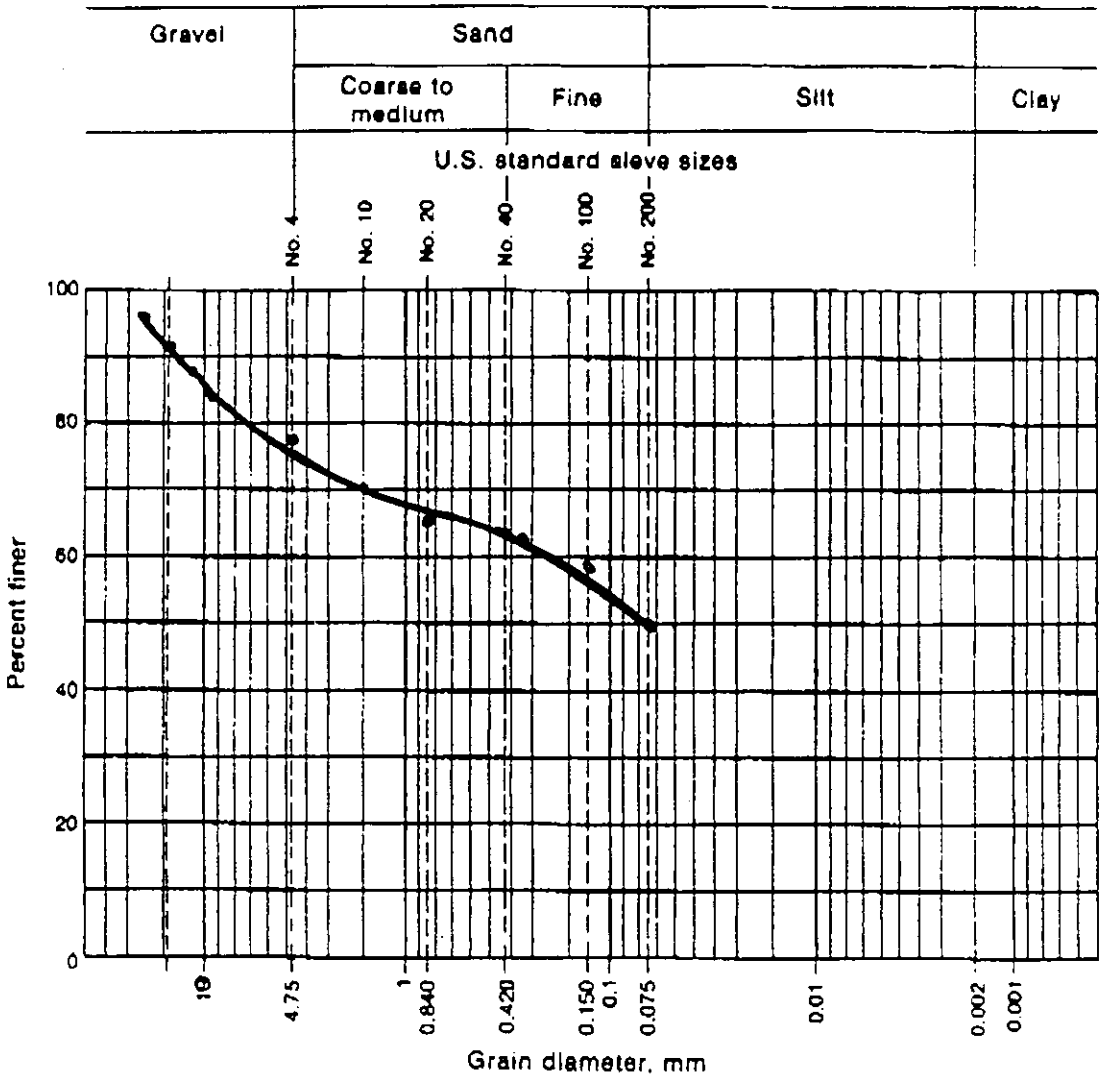
GRAIN SIZE DISTRIBUTION Data Sheet 6

Project PART. RIVER CHANNELIZATION Job. No. 88-093

Location of Project WELLSVILLE, NY Boring No. — Sample No. 1

Description of Soil BABBIT FILL Depth of Sample FROM INITIAL STOCKPILE

Tested By. FJG Date of Testing 9/18/90 & 9/19/90



Visual soil description BROWN SILT/CLAY w/ LITTLE TO SOME FINE TO COARSE SAND AND GRAVEL

Soil classification:

CL System USCS

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-18-90

Work Areas Checked: NY dike (16700 area)
N.W of CELA (1+00 - 3+00 area)
East Bank

Employees Present in Work Areas: Gail Reid, Bob mahin, Clint mahin, Grant middle, Norman Tracy, Phil Smith, Scott Hunt, Hunt & Ettinger, Dave [illegible], Frank Sentowski, Pete Porter

Equipment Being Utilized: 2 Trackhoes, 2 dozers, Compactor, Roller, Grader, Loader

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

None

N.W dike area, dressing up East bank Roadways.

PM activities: Same as AM

Time: 0945, Temp ≈ 52°F, Sunny, No Wind, lifting fog

Time: 1636, Temp ≈ 67°F, Sunny NW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/18/90-0456	16+00-20L	HNu	PI101	(a)= 111ppm Isobutylene By = 2 ppm	4ppm	Real Time
1/18/90-0957	16+00-20L	CGI	261	15% O_2, 50% LEL	20.3% O_2, 0% LEL	RT
1/18/90-0959	16+00-20L	minram	PDM-3	Z-bag for Zeroing	0.00 mg/m³	RT
1/18/90-1007	5+00	HNu	PI101	Same	4ppm	RT
1/18/90-1009	5+00	minram	PDM-3	Same	0.03ppm	RT
1/18/90-1009	5+00	CGI	261	Same	20.3% O_2, 0% LEL	RT
1/18/90-1677	4+75	HNu	PI101	Same	Battery died	RT
1/18/90-1638	4+75	minram	PDM-3	Same	0.10 mg/m³	RT
1/18/90-1639	4+75	CGI	261	Same	21% O_2, 0% LEL	RT

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-18-90

Equipment: HNu, CGI, miniram

Real-Time Air Monitoring Results and Work Area

morning HNu levels were at 2 ppm above background outside & possibly due to fog/moisture in the air. CGI, miniram levels at normal/low levels.

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene
CGI = 15% O_2, 50% LEL
miniram - Z-bag for leaving

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 15, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:46/8:48	9:05/11:13	12:07/12:14 12:52/3:28 4:22/6:09
C-2 L. Dekker	6:46/12:14	12:52/	6:26/
C-3 P. Porter	6:43/7:17	7:38/	
C-4 A. Muellerleile	7:21/2:50	3:37/7:25	
C-5 C. Ettinger	6:53/12:06	12:17/1:52	2:18/3:20 4:30/5:17
C-6 F. Gontowski	6:39/8:01	8:23/12:14	12:49/5:32 5:55/
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:52/7:49	8:04/10:19	5:19/5:32
C-10 C. Carrow	6:52/7:40	5:19/5:32	
C-11 B. Mckim	6:44/5:25	6:03/7:20	
C-12 C. Mckim	6:40/7:32	/	
C-13 G. Reid	6:40/07:22	/	
C-14 N. Tracy	6:46/7:42	/	
C-15 G. Maichele	6:31/6:51	7:09/12:40	12:56/
C-16 S. Hunt	6:29/6:51	7:09/7:57	8:17/9:13 9:31/
C-17 P. Smith	6:44/7:22	/	
C-18 R. Bartels	6:52/7:49	5:19/5:32	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:46/5:20	9:33/12:05	12:45/1:23 2:00/
E-2 T. Granger	/	/	
E-3 S. Stiles	12:45/3:28	5:17/7:17	
E-4 C. Swaim	7:18/7:46	9:18/12:20	1:11/1:23 2:00/
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:40/11:12	12:00/1:30	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/7:00	/	
S-4 T. Cobb	7:00/7:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 15, 1990

No.	Name	Time In/Out	Time In/Out	Remarks
	UPS	10:00/10:07		
	Culligan	10:43/10:49		
	Charlie Baker	11:02/11:07		to see D. Dekker
	Mrs. McKim	11:45/11:50		
	Mrs. Reid	11:48/11:50		
	George Allen	12:41/12:41		
	Fed Ex	1:57/2:07		8pc. delivery / 1pc pick up
	Jack Allen	2:06/2:06		with service
	Deans Septic	2:02/2:32		pump out holding tank
DHL	world wide Express	2:21/2:22		1pc delivery
	Dale Enders	2:55/3:21		Sharts Oil Co.
	UPS	3:39/		2pc. pickup

D. DEKKER
L. DEKKER
J. Porter
E. Gorzinski
G. Stiles
C. Smith
G. Mackie
S. Hurst

Still working

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 13, 1990

No.	Name	Time In/Out			Time In/Out			Remarks
A-1	8:04/8:05							
A-2	8:30/8:36	12:13/12:33	4:18/4:22					
A-3	8:21/8:37	12:17/12:39	4:18/4:28					
A-4	8:34/8:49	12:52/1:04	4:54/5:07					
A-5	8:34/8:49	12:52/1:04	4:54/5:07					
A-6	9:52/10:00	11:30/11:36	12:43/12:54	1:23/1:28	1:40/1:52	2:05/2:15	2:32/2:41	
A-6	2:58/3:04	3:24/3:28	3:46/3:51	4:09/4:15	4:34/4:39	4:58/5:05	5:22/5:27	
T-8 A-7	3:23/3:31	3:51/3:57	4:10/4:18	4:35/4:41	4:54/5:06	[illegible]	5:23/5:29	
A-6	5:46/5:50	6:06/6:11	6:27/6:32	6:48/7:11				
A-7	5:46/5:53	6:09/6:14	6:30/6:34	6:50/6:58				

A-1	Manley Clark		Ungerman (on East Dike)
A-2	Frank Cleveland	64	General Crushed Stone
A-3	James Coombs	63	"
A-4	Rob Hall		Spin Rite
A-5	Jim Rafton		
A-6	Boyd Green Jr.		Green's Trucking

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept. 15, 1990

No./Name	Time In/Out		Time In/Out				Remarks
S-5	9:07/9:15	9:31/9:35	9:52/9:56	10:11/10:15	10:29/10:34	10:51/10:55	11:10/11:18
S-6	9:17/9:21	9:57/9:42	9:58/10:02	10:17/10:24	10:41/10:46	11:03/11:09	11:26/11:34
S-7	9:52/9:58	10:16/10:23	10:40/10:46	11:03/11:07	11:25/11:31	11:49/11:59	12:16/12:27
S-8	11:47/11:59	12:14/12:22	12:40/12:47	1:24/1:32	1:48/1:54	2:11/2:18	2:30/2:44
S-5	11:36/11:39	11:55/12:03	12:13/12:30	12:46/12:53	1:08/1:16	1:33/1:40	1:54/2:00
S-6	11:49/11:58	12:14/12:24	12:40/12:48	1:04/1:11	1:25/1:32	1:48/1:54	2:12/2:20
S-7	12:44/12:51	1:08/1:15	1:32/1:37	1:57/2:03	2:24/2:29	2:48/2:55	3:13/3:19
S-8	3:02/3:07	3:35/3:36	3:58/4:03	4:24/4:26	4:43/4:49	5:07/5:14	5:32/5:37
S-5	2:14/2:20	2:35/2:40	2:55/3:00	3:18/3:24	3:59/3:44	4:01/4:07	4:23/4:28
S-6	2:39/2:45	3:00/3:05	3:21/3:26	3:43/3:47	4:03/4:09	4:25/4:43	
S-7	3:37/3:42	4:00/4:05	4:23/4:30	4:46/4:52	5:10/5:17	5:33/5:37	5:55/6:02
S-8	5:53/6:00	6:17/6:21	~~6:37~~/6:42	7:00/7:11			
S-5	4:44/4:48	5:03/5:08	5:24/5:29	5:46/5:51	6:08/6:12	6:28/6:33	6:49/7:07
S-6	6:18/6:33	6:39/6:43	7:00/7:09				
S-8							

S-5

A.T. Dale Fisher
S-5 John Perkins T-9 Bakes Excavation
S-6 Rich Bridge T-8 "
S-7 Russ Lenton "
S-8 Bud Green T-10 "

PROJECT ENTRY PERMIT

DATE: 9-18-90 TIME IN: - TIME OUT: 8:00 pm

NAME: G. Maichele

COMPANY: Cgnosis

BADGE No: C-15

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

PROJECT ENTRY PERMIT

DATE: 9-18-90 TIME IN: - TIME OUT: 8:00 pm

NAME: S. Hunt

COMPANY: Cgnosis

BADGE No: C-16

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

PROJECT ENTRY PERMIT

DATE: 9-18-90 TIME IN: ~ TIME OUT: 8:55 PM

NAME: P. Porter

COMPANY: Canonie

BADGE No: C-3

PROJECT ENTRY PERMIT

DATE: 9/18/90 TIME IN: _____ TIME OUT: 8:00 PM

NAME: CAL JWAN

COMPANY: EBASCO

BADGE No: E-4

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

PROJECT ENTRY PERMIT

DATE: 9-18-90 TIME IN: - TIME OUT: 7:45 Am

NAME: L. Rekker

COMPANY: Canonie

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 9-18-90 TIME IN: - TIME OUT: 7:45 Am

NAME: D. Dekker

COMPANY: Canonie

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 9-18-90 TIME IN: - TIME OUT: 8:30 Am

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-

PROJECT ENTRY PERMIT

DATE: 9-18-90 TIME IN: 6:30 pm TIME OUT: 8:35 pm

NAME: Gary C Stiles

COMPANY: EBASCO

BADGE No: F-1

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 17, 1990

Arrived at 6:35 a.m.

Plan of Day:
* Work on east bank clearing
* Rip rap - hauling

Safety Meeting:
* Housekeeping
* Wear Proper clothing
* Tools

The river is up about 2', and was in the haul road at the first culvert.

Called Vanu about radius @PI #7 he will check and call back.

Talked with Roland, he gave me new delta, radius, tangent and length.
The new drawing No. will be C-11

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 17, 1990

Arrived at: 6:50 a.m.
Plan of Day:

* No clay due to wet conditions (1.7" rain since Saturday p.m.
* Continue clearing and chipping on eastside
* Receive and assemble second backhoe for use on east side

Field Observations and Activities:

* Clearing and chipping on east side continued.
  Installed silt fencing across low areas on east side adjacent to river.
  Received and assembled backhoe for work on east side.
  Graded east side access road, installed diversion dikes to back water into culverts.
  Took several samples of Babit clay for gradation testing.
  Worked Babbit dike fill material with grader to assist drying for resumption of fill placement in a.m.
  Ungerman clay too wet to work, so left as is.

Left Site at 6:30 p.m.

RECEIVED
SEP 20 1990
EBASCO / ARCO

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

DATE: 9-17-90 DAY: Monday HRS.WRK. 10 hrs REPORT NO. 77

WEATHER INFORMATION:

TEMPERATURE: High 56 Low 34 WIND: Mph. 10-15 Dir. NE & varying

PRECIPITATION: T HUMIDITY: Low RIVER EL: AM 5.34 PM 5.11

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	

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	1	Stand-by		
" D-5	10			
" 12G	8			
(Sheep) Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		Offsite	Repairs	
Hertz Wtr. Trk		Stand-by		
Cat 235		Arrived 1 pm		
Chipper	10			
Generator / Steam Genny		Stand-by		
1/2 ton pickup		Off site	Repairs	
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Clear E. Bank. Put Cat 235 together when it arrives. Start constructing haul road E. Bank. Strip topsoil E. Bank.

SAFETY Wear correct safety equipment for clearing. Weekly safety meeting covered construction site general house keeping.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK # 404 (Clear E. Bank)
503 (Strip topsoil E. Bank)
204 (Stake out E. Bank)

RIVER (Any activity performed in water or gravel bar)

OTHER Erosion Control E. Bank.

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE	0.12	KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	0.5	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY	444.4	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:

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)

Stake out E. Bank Baseline

office comps

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	18+80 - 19+55	A-1	Clearing		X	
2	15+75 - 17+25	A-2	Topsoil		X	
3	11+25 - 12+00	A-11	Erosion Control		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:

HEALTH & SAFETY 9-17-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	7, 1, 1	70, 5, 2
"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	0945	East Bank	6/chipper, loader, D-5 Dozer	-D-	none
2	1415	East Bank	6/chipper, Grader, D-5 Dozer	-D-	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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 - September 13, 1994.

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: 10 hrs

PROJECT LOCATION: Sinclair Refinery, Wellsville | WEATHER & TEMPERATURE: Overcast Cold

JOB NO: 88-093 | LOCATION OF WORK: E. Bank

CONTRACT TIME _____ DAYS ELAPSED _____ EXTENSION _____ DAYS LEFT _____

WORK PERFORMED

Act ID # 404 (Clear E. Bank)

- Cleared 75' Sta 18+80 - 19+85'
- Sta 18+62.03 is end of Rip Rap & Toe Trench Stationing for E Bank
- Sta 18+62.03 to - Sta 20+42 is haul road to cut on E. ~~Bank~~ Bank
- Sta 20+42 is equivalent to Sta 0+00 on E Bank Cut.

Act. ID # 503 (Strip Topsoil E. Bank)

- Stripped Topsoil Sta 13+75' - 17+75' for placement of haul road.
- Stripped ~~Starting~~ 10' in from River Bank edge leaving topsoil ridge next to river for erosion control. Stripped out 40' in from ridge.

(400)(50)(1.6) = 444.4 cy

OTHER : ERosion Control

- Silt fence installed east bank in low spots along rivers edge where no berm is present.

(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 9-17-90

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.	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 18+80 TO 19+85

4. REMARKS cleared 40' back from rivers bank edge. LOC will be marked for completion of clearing on East Bank. only access road was grubbed.

INSPECTOR [signature] DATE 9-17-90

REVIEWED BY [signature] DATE 9.20

FORM A-2
SHEET ____ OF ____

TOPSOIL STRIPPING

INSPECTION DATE 9-17-90

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 Non needed

3. LOCATION (APPROXIMATE)

DIKE STATION 13+75 TO 17+75

4. REMARKS Topsoil was stripped and pushed over to 75' ROW limit and piled up. Berm along rivers edge will remain until the E. Bank Erosion Control is installed.

INSPECTOR [signature] DATE 9-17-90

REVIEWED BY [signature] DATE 9.20

FORM A-11
SHEET ____ OF ____
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 11+25 TO 12+00

OTHER _____

4. REMARKS Silt fence was installed where no berm was present for temporary erosion control

INSPECTOR [signature] DATE 9-12-90

REVIEWED BY [signature] DATE 9.20

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 9-17-90

Work Areas Checked: East Bank

Employees Present in Work Areas: Gail Reid, Scott Hunt, Phil Smith, Bob mckim, clint mckim, Grant marichelle, Norm Tracy, Dave Dekker, Hunt Ethington

Equipment Being Utilized: Grader, chipper, chainsaw, D-5 Dozer

PPE Being Utilized: hard D

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 9-17-90

Equipment: None

Real-Time Air Monitoring Results and Work Area

No air monitoring today - East bank work only

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

—

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: September 17 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:35 / 8:04	5:59 / 12:00	1:02 / 1:33 2:51 / 6:01
C-2 L. Dekker	6:35 / 12:00	1:03 / 6:01	
C-3 P. Porter	6:40 / 8:04	8:59 / 10:29	11:35 / 12:08 12:56 / 12:59 1:53 / 1:59
C-4 A. Muellerleile	7:05 / 10:29	11:35 / 12:08	12:56 / 4:32 [redacted] 5:35 / 6:13 3:00 /
C-5 C. Ettinger	6:41 / 8:59	10:28 / 11:39	11:53 / 12:43 4:15 / 5:33
C-6 F. Gontowski	7:05 / 12:08	12:56 / 2:12	2:29 / 4:49 5:13
C-7 C. Chang	/	/	
C-8 J. App	6:47 / 11:53	5:12 / 5:39	
C-9 G. Lazusky	6:47 / 11:53	5:12 / 5:33	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:37 / 7:17	7:44 / 7:46	4:59 / 5:33
C-12 C. Mckim	6:37 / 7:17	5:29 / 5:33	
C-13 G. Reid	6:40 / 7:17	7:44 / 7:46	5:29 / 5:33
C-14 N. Tracy	6:49 / 7:17	/ 5:33	
C-15 G. Maichele	6:27 / 6:37	6:54 / 7:17	5:49 / 5:57
C-16 S. Hunt	6:14 / 6:37	6:54 / 7:19	9:03 / 9:36 12:29 / 12:34 3:02 / 3:04 4:10 / 5:46 / 5:57
C-17 P. Smith	6:47 / 7:17	/ 5:33	
C-18 R. Bartles	6:47 / 8:37	10:44 / 11:53	5:12 / 5:33
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:44 / 1:14	2:29 /	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swan	6:54 / 10:02	12:00 / 12:08	1:22 / 2:50 3:22 / 3:42 4:19 / 6:19
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:30 / 11:53	12:29 / 1:28	
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	1:52 /	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Sept 17, 1990

No. Name	Time In/Out	Time In/Out	Remarks
Tom Gowan C-19	11:22/12:42		Beam Clean
Mike Ballard C-20	11:22/12:42		"
Adams Septic Service	11:35/11:47		pump toilets
Charles Burdick	12:56/12:57		Wellsv. Ht DPW - escorted
Chuck Leonard	1256/12:57		Daily Express driver
Daily Express	12:56/12:59	1:54/1:59	235 c delivery
Christie Potter	2:01/2:05		to see F Cwiatowski
Adams Disp Ser	2:04/2:07		empty Dumpster
Fed Ex	2:42/2:43		2pc. del. env/1pc pickup
Dale Zanders	3:56/4:41		Shorts out
UPS	4:22/4:26		c.od 1pc delivery/2pc. pickup

P Porter
F. Cwiatowski } Still working
G. Stiles

PROJECT ENTRY PERMIT

DATE: 9-16-90 TIME IN: 11:30 TIME OUT: 17:30

NAME: R. Porter

COMPANY: Canonie

BADGE No: C-3

PROJECT ENTRY PERMIT

DATE: 9-16-90 TIME IN: 8:20 am / 6:40 pm TIME OUT: 9:50 am / 7:30 pm

NAME: Gary L Shles

COMPANY: EBASCO

BADGE No: E-1

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

PROJECT ENTRY PERMIT

DATE: 9-17-90 TIME IN: — TIME OUT: 8:00 am

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 9-17-90 TIME IN: — TIME OUT: 8:28 pm

NAME: Pete Porter

COMPANY: Canonie

BADGE No: C-3

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

Canonie

By PFP Date 9-19-90 Subject Weather Sheet No. 1 of 1

Chkd. By — Date — 9-12-90 → 9-16-90 Proj. No. 88-093

1/4" X 1/4"

Wednesday 9-12-90
High : 87 Low : 59
Precipitation : None

Thursday 9-13-90
High 95 Low 54
Precipitation : None

Friday 9-14-90
High 77 Low 58
Precipitation : 1.06 "

Saturday 9-15-90
High 66 Low 54
Precipitation : T

Sunday 9-16-90
High 58 Low 43
Precipitation : 0.81 "

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 16, 1990

(Sunday)

Checked site at 8:20 a.m. Electrical power was off. Checked with utility company, and it was off all over town. Would be back on around 11:00 a.m.

River was still running high. One ft. plus

6:40 p.m. - River is up about 2 1/2', running through rip rap (sta. 10+00 to 16+00), but no sign of erosion. It was over temp. haul road at north end.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
SEPTEMBER 16, 1990

(Sunday)

Light drizzle to moderate showers throughout day.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 15, 1990

Arrived at 6:20 a.m.
Plan of Day:
* Canonie
  * Place rip rap on West bank.
  * Clean-up flood debri on East bank.
  * Rework haul roads East bank.
* OHM
  * Complete clearing on SLA.

I was on E/B taking pictures of high water damage - Dave D. and Pete Porter came up to me at about station 12+00 and asked what I wanted them to do abut the areas where the bank has eroded - told them that was Canonie responsibility. Dave replied that it was and act of God - I told him that he hadn't used good construction practice - and had been told when he started on the East bank that he was to limit his activities so has to not expose any more unprotected bank that necessary - but he had cleared, grubbed and dug into the existing bank from station 0+00 to the extreme south and the specs. plainly states tat no more than 100' of finished bank would be exposed to the river and the areas that have eroded had been sloped.

Tom Clark of ReTec came in at 7:30 am, his partner from GeoComp was still at the Buffalo airport waiting on his luggage. I told him to get with Cal and Tom and discuss their plans. He asked about the drillers, I told him they were scheduled for mid morning arrival.

A Mr. Ronald Parks from the wick drain co. called at 7:30 am, he had been left at the Wellsville Motel last night and needed someone to come and pick him up, I told him we would get someone out there.

The claymax co. rep. called wanting to talk to his driver who wasn't here and was supposed to be here Saturday at 7:00 am, but was a no show. He told me they had truck problems and the man had left at 2:00 am - I told him that his man wouldn't be here until noon if that was the case. He said that he was told it was only 28 miles from NY city - I told him it was 560 miles.

I went by the Wellsville Motel and couldn't find the wick drain man.

Wanda from the wick drain co. called looking for their people I briefed her on what had happened this morning, she will try to find out what is going on.

The truck with wick drain material arrived at 9:00 am - I told him to hold until they got their act together.

Joe Drumheller - wick drain boss called wanting to know what was going on - I told him and also let him know that so far he had a very poor operation. He promised to improve.

The claymax truck arrived around 11:30 am. The driver was out of money and wanted to add some to his shipping bill - I told him no and to call his boss. I got Dan Raul to unload the claymax.

Stubby told OHM people that they couldn't use chainsaws without leg guards - so I had to go to Bolivar and buy two pair, since we are furnishing safety equipment.

The wick drain man that was left at the motel finally showed up, Hitched a ride with the motel owner. He wanted someone to help him unload his material - I showed him were he could put it - but told him he would have to work a deal with OHM or Canonie for help - he unloaded it himself piece by piece.

Empire Drill crew arrived at 11:50 am - 2 rigs 1 trailer mounted and 1 single axle truck - I suggested they walk out to the CELA before they take their equipment out. As I don't think they will be able to use anything they brought with them except the trailer rig.

Doran Spidrian ESI eng. came in at 12:30 pm.

Bill Olszewski GeoComp came in around 12:30 pm.

The drillers went out with Cal - when they returned they said they couldn't do anything I told him that I had told his boss Joe G. that he would be working on an old landfill and that it was unstable - he said that the people that were here two years ago had that problem and he didn't know why they told him to bring this equipment. I suggested he call his boss.

Joe Genoves called and started yelling about what his foreman had told him. I reminded him of our conversation a few weeks back - and that if he couldn't handle the job he shouldn't have bid on it.

The surveyor completed laying out the testfill area and set-up 5 stakes.

Tom had drill crew read the H&S plan and sign the confirmation sheet.

The drill foreman told me that he was taking the single axle back in the morning.

Kinny of Geo-Systems arrived at 5:30 pm - he apologized for

the problems.

I talked with Dave on the East bank. I asked him if he knew what the requirement for compaction of the material behind the East bank were - he said 4 passes with a roller.

I had asked Stubby to confirm my interpretation of the high water damage to the East bank as contract negligence instead of act of God - he agreed with me and then ran it by Dave Bingert, who also agreed.

The NY USCOE showed up at 11:00 am.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 15, 1990

Arrived at 6:55 a.m.
Plan of Day:

* Canonie - restored separation dike/groin etc. to divert river current from work area.
* Continue bedding stone spreading and rip rap placement on West Dike.
* Reestablish and extend haul road on East side using imported pit run gravel. Generally dress up area.
* OHM - continue clearing and chipping in SLA area.

Field Observations and Activities:

* Surveyors staked out instrument locations on test fill area (settlement plates, piezometers, etc.).
* ReTec rep. Tom Clark arrived on site to coordinate testfill program (7:00 a.m.).
* GeoComp. rep. Bill Olsezewski arrived on site at 12:30 p.m. to participate in testfill instrument installation.
* EBASCO Engineer Duran arrived on site at 1:00 p.m.
* Empire drillers arrived on site with truck mounted and trailer mounted rig - no A.T.R.'s - took drillers up to CELA and showed them access problems to hole locations. Foreman agreed that A.T.R. should have been sent. Truck mounted rig was returned to Empire Drilling yard for replacement with A.T.R. - trailer rig will be moved to CELA in the morning and pulled to first hole with OHM dozer expected on site at 10:00 a.m.
* OHM laborers continued clearing/chipping on SLA - unloaded materials to be used on testfill.
* Canonie - clearing up on East side.
* Toe trench excavation restarted at approximately 5:00 p.m. Dozer spread common fill material and bladed access road in preparation for rip rap delivering in the morning.
* No drilling this day because of lack of certification papers that rig had been deconed prior to arrival.

Left site at 6:30 p.m.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

OCT 18 1990

EBASCO / ARCO

DATE: 10-15-90 DAY: Monday HRS.WRK. 10 Hrs. REPORT NO. 102

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. 5-10 Dir. S E

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM 5.78' PM 5.66

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

	F.E/I 1		R.E. 1
	H&SO 1		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 2 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	8			
" 12G	8			
(Sheep) Compactor		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk		Offsite For Repairs		
Hertz Wtr. Trk		Stand-by		
(E. Bank) Cat 235	10			
Komatsu PC 200	10			
Generator / Steam Genny		Stand-by		
1/2 ton pickup	10			
Mechanic Trucks	11			
Front End Loader	10			

MEETINGS:

PLAN OF DAY Clean up work area E. Bank and start building haul road. W. Bank: Place Bedding & Rip Rap Pull up Geotextile on Slopes Regrade Haul Road

SAFETY Good Construction Practices Watch Footing

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 Rip Rap Protection)
605 (Place W. Bank Rip Rap Protection)

EAST BANK See Daily Report sheet

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	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	67.5
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	W. Bank 178.38
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.		50.97 Tons
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	600		
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
815 Cat	Transported to E. Bank		
	No Decon Required		

FIELD ENGINEERING ACTIVITIES: (surveyors)

Reset toes E. Bank Sta 5+50 - 2+00

Re-stake Base line E. Bank cut Sta 20+85 - Sta 25+00

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	14+00	A-6	Geotextile		X	
	2	6+00	A-7	Bedding		X	
	3	2+75	A-8	Rip Rap		X	
E. Bank	4	6+80	A-11	Erosion Control		X	
	5						
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

L[redacted]H & SAFETY 10-15-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	9, 1	90, 2
"C"		
"B"		
OTHER		

A[redacted]R MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0931	10+50	HNu	Real Time	0.5 ppm
2	0932	10+50	Miniram	RT	0.00 mg/m³
3	0938	10+50	CGI	RT	20.9% O₂, 0% LEL
4	1544	5+50	HNu	RT	0.5 ppm
5	1545	5+50	Miniram	RT	0.00 mg/m³
6	1546	5+50	CGE	RT	20.9% O₂, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	0930	N of OELA	2/Trackhoe, loader	- D -	None
2	1040	East Bank	4/Trackhoe, loader, dozer, grader	- D -	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ~~—~~ Emps. Out: ~~—~~

Equipment: In: ~~—~~ Out: ~~—~~

Venders Equipment: In: ~~—~~ 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:

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 encountered October 15. 1990

Daily Progress Report

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

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 10-15-90

CLIENT: Sinclair Refinery, Wellsville | REPS

JOB NO: 88-093 | LOCATION OF WORK: E. Bank / W. Bank

ACTIVITY: - W. Bank -

Activity ID # 604 (construct W Bank Dike)
- Tied Geotextile into top of Dike (Subgrade Elevation)
sta 12+50 - sta 16+75
- Placed stone to subgrade elevation sta 5+00 - sta 12+25

ID # 605 - Placed Rip Rap on slope to final elevation
sta 2+50 - 3+50 ; sta 4+25 - 6+75
- Rip Rap will be worked in place for final approval on 10-16-90.

- E. Bank -

- General clean up of geotextile rolls and debris after high water in river due to storms
- Erosion Control
Installed gravel berm outside toe trench to be excavated and place silt fences on the outside of the berm.
sta 5+00 - sta 6+75
- Act ID # 703 (construct E Bank Toe Trench)
- Re-excavated toe trench sta 6+40 - 6+00
- Excavated sta 6+00 - 5+75
- No materials were placed

- Started work on Haul Road by draining water off site and drying work areas

F-941

(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-6
SHEET ____ OF ____
INSPECTION DATE 10-15-00

GEOTEXTILE

W. Bank

	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 12+50 TO 16+75

5. REMARKS Geotextile was pulled up the trimmed slopes and tied into the top of the dike by the approved method.

INSPECTOR [signature] DATE 10-15-00

REVIEWED BY [signature] DATE 10.18

FORM F-7
SHEET ____ OF ____
INSPECTION DATE 10-15-90

BEDDING

W. Bank

	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 0+00 TO 9+75
11+25 TO 12+25

5. REMARKS Bedding Stone was placed on Geotextile up to subgrade. Thickness of Bedding Stone was checked by probing.

INSPECTOR Peter F Ford DATE 10-15-90

REVIEWED BY [illegible] DATE 10-18

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-15-90

RIP RAP W. Bank

	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 2+50 TO 3+50
4+25 To 6+75

5. REMARKS Rip Rap was placed on bedding Stone to subgrade and worked in place to meet Contract Drawings.

INSPECTOR _____ DATE 10-15-90

REVIEWED BY _____ DATE 10-19

FORM A-11
SHEET ____ OF ____

EROSION AND SEDIMENT CONTROL

INSPECTION DATE 10-15-90

	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 5+00 TO 6+75 E. BANK

OTHER _____

4. REMARKS Gravel berm w/ silt fences installed on back side.

INSPECTOR [signature] DATE 10-16-90

REVIEWED BY [signature] DATE 10/18

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-15-90

Work Areas Checked: Dikes on west bank
East Bank

Employees Present in Work Areas: G. Reid, D. Mauthe, S Hunt, P. Smith, N. Tracy, B. Mahin, C. Mahin, T. Allen, R. Edwards, D. Dekker, M. Ethinger

Equipment Being Utilized: 2 trackhoes, 2 dozers, 2 loaders, Grader

PPE Being Utilized: D

Accidents/Breeches of Procedures:

None

In Activities: Same as morning

Time: 0930, Temp ≈ 55°F, WNW wind, pt cloudy

Time: 1543, Temp ≈ 53°F, WNW wind, pt cloudy

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
6/15/90-0931	10+50	HNu	PI101	Cal = 9.9 ppm Isobutylene Bg = 0.5 ppm	0.5 ppm	Real Time
6/15/90 0932	10+50	Miniram	PDM-3	2-day for Zeroing	0.00 mg/m³	R.J.
6/15/90-0933	10+50	CGI	261	15% O_2, 50% LEL	20.9% O_2, 0% LEL	R.J.
6/15/90-1544	5+50	HNu	PI101	Same	0.5 ppm	RJ
6/15/90-1545	5+50	Miniram	PDM-3	Same	0.00 mg/m³	RJ
6/15/90-1546	5+50	CGI	261	Same	20.9% O_2, 0% LEL	RJ

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-15-90

Equipment: HNu, CGI, miniram

Real-Time Air Monitoring Results and Work Area

No levels above background/normal were found on the west bank dike near rip rap placement operations

Personnel Sampling none

Name	Date	TWA

Calibration Method for Equipment

HNu = 11 ppm Isobutylene
CGI = 15% O_2, 50% LEL
miniram = 3 - bag for Zeroing

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 15, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:40/7:47	8:50/12:15	12:42/12:56 5:28/6:10
C-2 L. Dekker	6:40/12:15	12:42/6:10	
C-3 P. Porter	6:41/7:47	8:50/11:17	12:56/2:24 4:10
C-4 A. Muellerleile	7:21/8:23	9:12/12:18	12:43/3:10 4:42
C-5 C. Ettinger	6:35/8:29	9:06/11:43	12:00/1:54 3:11/5:44
C-6 F. Gontowski	7:01/7:31	7:58/12:18	12:43/
C-7 ~~C. Chang~~ T. Allen	7:05/7:19	11:23/12:00	12:15/2:02 2:25/2:27 4:55/5:35
C-8 ~~J. App~~ T. Allen	/	/	
C-9 G. Lazusky	6:44/7:53	12:16/12:31	1:50/2:08 2:12/2:19 3:57/4:05 4:15/4:..
C-10 C. Carrow	6:42/7:32	1:50/2:03	2:12/2:19 5:17/5:23
C-11 B. Mckim	6:45/7:10	7:30/8:05	9:12/10:44 11:10/2:21 2:53/3:59 4:12/5:34
C-12 C. Mckim	6:45/7:10	/	
C-13 G. Reid	6:35/7:16	/	
C-14 N. Tracy	6:47/5:34	/	
C-15 G. Maichele	6:34/6:35	6:51/7:10	5:50/5:53
C-16 S. Hunt	6:29/6:35	6:51/1:55	12:33/5:40 5:49/5:53
C-17 P. Smith	6:50/7:10	/	
C-18 R. Edwards	6:55/7:19	11:23/12:00	12:15/2:02 2:25/2:27 4:55/5:50
C-19 R. Bartles	6:42/7:32	4:15/5:23	
C-20	/	/	
E-1 G. Stiles	6:29/7:32	F:03/10:52	11:42/12:30 1:12/~~12:41~~/4:34 5:19/6:20
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swan	7:00 18:32	8:48/12:09	12:47/4:34 5:19/6:10
E-5 T. Yashinski	7:01/12:15	12:41/5:29	
E-6 C. Fick	7:00/4:28		
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:34/10:24	11:16/1:30	
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	1:47/6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 15, 1990

No.	Name		Time In/Out	Time In/Out			Remarks
J.	Peterman	A-2	6:42/12:28	1:12/ [redacted] 5:09			
R.	Mayer	A-3	7:01/12:28	1:12/5:09			
J.	Fascigo	A-4	7:01/12:28	1:12/5:09			
J.	Lovewell	A-5	7:01/12:28	1:12/5:09			
D.	Rall	A-6	6:42/9:18	10:03/12:28	2:44/3:21	3:25/4:30 4:45/6:09	
Mrs.	Mckim		6:54/7:00				
D.	Tingue	E-9	7:04/12:01	12:35/3:42			
R.	Crooks	E-7	7:04/12:01	12:35/3:42			
T.	Clark	E-10	7:10/12:42	1:14/5:04			Re-Tech
D.	Neely	C/E-6	8:03/8:32	8:48/9:19			WVFD
Cooper			8:41/10:22				Construction Aggregates
Tom	Govan		9:23/10:21	10:40/10:44			Bean Clean
Adams	Septic Service		9:36/9:37				
Charlie	Baker		9:41/9:49	3:07/3:09			
Joe	Park		10:01/1:35				GeoSystems
Rick	Scott		10:12/11:16				Short's Oil Co.
RT	Trucking		10:35/11:46				
John	Perkins		11:00/11:15				Bakers
Boyd	Green Jr.	A-4	11:55/12:00	1:31/1:42			Green's Trucking
Roger	Kephart	C/E-2	12:18/12:40	1:15/4:32			Empire Soils
Doug	Ludlow	C/E-3	12:18/12:40	1:15/4:32			"
Joe	Beyea	C/E-4	12:18/12:40	1:15/4:32			"
Denny	Fuller	C/E-5	12:18/12:40	1:15/4:32			"
Bill	Olszewski	E-2	12:54/5:03/				Re-Tech
Mark	Grundy	C/E-6	1:21/4:32				
S.	Mpadian	D	1:24/5:04				Ebrsco
Bob	Weigand		1:53/2:27				Ambulance crew
Allens	bus driver		2:00/2:23				to Empty Dumpsters
FedEx			2:27/2:36				1pc. pickup / 11pc. delivery
UPS			3:49/3:55				3pc. pickup
Kenny	Wells		1:06/4:33				Geo Systems
[redacted]							
P.	Porter						
A.	Mueller-Lisle						
E.	Gomienski		Still working				
G.	Sellers						

Canonie

By PFP Date 10-15-90 Subject Corrected Values of Sheet No. 1 of 1

Chkd. By ____ Date ____ Pit Run I Cubic Yards Proj. No. 88-093

1/4" X 1/4"

Daily Report Number	Daily Report Date	original values (cy)	Corrected Values (cy.)
23	7-17-90	257.72 cy	171.81 cy
24	7-18-90	114.07 cy	76.03 cy
41	8-6-90	1333.81 cy	555.75 cy
42	8-7-90	2260.42 cy	941.84 cy
43	8-8-90	2197.04 cy	988.07 cy
44	8-9-90	1549.44 cy	645.6 cy
45	8-10-90	2811.14 cy	1170.49 cy
46	8-11-90	2795.6 cy	1177.2 cy
63	8-30-90	206.21 cy	137.47 cy
68	9-6-90	77.84 cy	83.03 cy
69	9-7-90	70.11 cy	70.11 cy

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 14, 1990

Arrived at 8:15 a.m.
Plan of Day:

No work scheduled for today.

I checked E/B, the river is down to about 2 feet above normal - it don't look like we did to bad - collected some trash and debri and unrolled the Geo fabric that is in the toe trench. May have some erosion of the existing bank at station 10+50 to 13+00. Checked W/B, the toe trench that runs from station 16+50 to station 10+50 is carrying alot of water, appears the area outside of toe trench has eroded - MW are sticking up in the water.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 14, 1990

From 4:00 p.m. until 5:30 p.m. inspected East bank damage.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 13, 1990

Arrived at 6:50 a.m.
Plan of Day:

* Canonie not here.
* OHM will continue clearing T/F pad.
* OHM will move to waste pile area.

River still up about 3 feet. I rained during the night again.

OHM moved to the SLA at 3:10 pm.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 13, 1990

Arrived at 6:45 a.m.
Plan of Day:

* Canonie - work suspended due to wet conditions resulting from rain and elevated river levels (max 6 feet over low flow level).
* OHM - complete clearing of testfill area.

Field Observations and Activities:

* OHM completed essential clearing of CELA and moved backhoe and chipper to SLA - deconned backhoe so same could be used to unload materials in yard area.
* Inspected Canonie work for storm damage/erosion/ and sedimentation - some bank material lost on East side from high water.
* Reviewed testfill details and logistical problem and drew up layout of instrumentation features.

Left site at 7:15 p.m.

RECEIVED
OCT 15 1990
EBASCO / ARCO

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

DATE: 10-13-90 DAY: Saturday HRS.WRK. - REPORT NO. 101

WEATHER INFORMATION:

TEMPERATURE: High 65 Low 51 WIND: Mph. 0-5 Dir. S

PRECIPITATION: 0.13" HUMIDITY: High RIVER EL: AM - PM -

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

		F.E/I 1	R.E. 1
		H&SO 1	P.E. 1
		C/SE	QCM
		P.M.	H&SO
		HOP	P.M.
		"	P.SEC
		"	HOP
	ARCO	P.M.	"
	OTHERS		CANONIE SUB.
	"		SUPV. EMPS.
	USCOE/EPA		SUB.
	"		SUPV. EMPS.

VISITORS No Security Today

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				
(E. Bank) Cat 235				
Komatsu PC 200				
Generator / Steam Genny				
½ ton pickup				
mechanic Trucks				
Front End Loader				

MEETINGS:

PLAN OF DAY Paperwork + Film Site

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 bar)

OTHER

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 10-13-90

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

10-8-90 Pt. sunny ≥60 F → 50°F
10-9-90 Rain/showers ≥63° → 50°F
10-10-90 sunny ≥65° → 50°F

1/2 day work on 10-11-90 - Rain & rising river
No work on 10-12-90 - Rain & rising river

Air Monitoring Summary

No Air monitoring this week due to weather and limited west bank activities

PROJECT ENTRY PERMIT

DATE: 10-13-90 TIME IN: 8:35 TIME OUT: 2:00

NAME: P. Porter

COMPANY: Canonie

BADGE No: C-3

PROJECT ENTRY PERMIT

DATE: 10/13/90 TIME IN: 0710 TIME OUT: _____

NAME: Thomas L. YASINSKI

COMPANY: EBASCO ENVIRONMENTAL

BADGE No: _____

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

PROJECT ENTRY PERMIT

DATE: 10-13-90 TIME IN: 6:20 pm 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

PROJECT ENTRY PERMIT

DATE: 10-14-90 TIME IN: 10:25 am TIME OUT: 5:50 pm

NAME: Gary C. Stiles

COMPANY: EBASCO

BADGE No: E-1

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 12, 1990

Arrived at 6:10 a.m.
Plan of Day:
* No work due to rain.

Dave told me that he would be leaving around noon - he was going to Michigan for the weekend - Pete Porter would be looking after things.

The river reached 10.7 feet at State St. gage at 9:45 pm last night. Water marks show it to be at 1495.6 feet at station 5+00, 1495.5 feet at station 8+00, 1497.0 feet at station 12+00, 1498.6 feet at station 18+00, 1502.0 feet at station 24+00 and 1504.0 feet at station 30+00 + or - (So. end).

Doug Myers surveyors laid out testfill, it falls 32 feet into the CELA impoundment. I called Tom G. he told me to move it to the South to miss impoundment.

OHM continued clearing for the testfill pad and waste pile.

Tom Clark of ReTec called, I told him that it was raining but we are still set to start drilling on Monday - he wanted to know if we were using 1 rig or 2, I told him that we were to have 2 rigs - he will bring 2 people. I explained that the first thing I want is for him to set down with Cal, Duran and Tom, to determine what each person is responsible for - once this has happened we will set with the driller. He is bringing some equipment with him.

The river is still running about 4 feet above normal 6 feet.

OHM's personnel decon trailer arrived today.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 12, 1990

Arrived at 7:00 a.m.
Plan of Day:

* Canonie work suspended due to rain and high river conditions - will maintain skeleton crew through the weekend to inspect site - others went home for long weekend.
* OHM continue clearing access and test fill areas.
* Surveyors running control to CELA area.

Field Observations and Activities:

* OHM continued clearing of test fill area with chainsaws and weedeaters - branches and limbs reduced by chipper.
* Pete Porter reported river peak at 10 p.m. Thursday at 10.5 feet (normal ht. is 4.5 feet) 5 to 6 feet above low flow. Flood watch in Allegany County.
* Reviewed test fill plan and procedures.
* Discussed drilling requirements with Joe Genovese of Empire Drilling.
* Inspected west and east side work.

Left site at 7:00 p.m.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED
OCT 15 1990
EBASCO / ARCO

DATE: 10-12-90 DAY: Friday HRS.WRK. 1 REPORT NO. 500

WEATHER INFORMATION:

TEMPERATURE: High 72 Low 52 WIND: Mph. - Dir. -

PRECIPITATION: .31" HUMIDITY: High RIVER EL: AM 7.02 PM -

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

	F.E/I	1	R.E. 1
	H&SO	1	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.
"			SUPV. EMPS.
USCOE/EPA			SUB.
"			SUPV. EMPS.
VISITORS	See Security Log		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 3

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				
(E. Bank) Cat 235				
Komatsu PC 200				
Generator / Steam Genny				
1/2 ton pickup				
Mechanic Trucks				
Front End Loader				

MEETINGS:

PLAN OF DAY Came in and called off work due to high River Conditions. Gave everyone the weekend off.

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 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:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	6000 (12 rolls)
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

ALTH & SAFETY 10-12-90 No work - Rain & rising river Cancelled Work

ACTIVITY PROTECTION LEVELS:

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

AIR MONITORING:

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

DAILY SAFETY INSPECTIONS:

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

DECONTAMINATION REQUIREMENTS:

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

Equipment: In: _____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

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:

N/C accidents or incidents to report today — October 12, 1990

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-12-90

Work Areas Checked:
No work today - Rain & rising river cancelled operations

Employees Present in Work Areas:

Equipment Being Utilized:

PPE Being Utilized:

Accidents/Breeches of Procedures:

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-12-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - Rain cancelled operations today

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 12, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:49 / 8:09	/	
C-2 L. Dekker	6:49 / 8:09	/	
C-3 P. Porter	6:35 / 12:55	1:20 / 11:45	2:10/4:01
C-4 A. Muellerleile	7:18 / 10:34	11:33 / 12:55	1:20/1:24
C-5 C. Ettinger	6:45 / 7:04	/	
C-6 F. Gontowski	6:54 / 10:10	10:58 / 11:15	
C-7 ~~G. Chang~~ T. Allen	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:30 / 7:10	/	
C-12 C. Mckim	6:38 / 7:10	/	
C-13 G. Reid	6:38 / 7:10	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	/	/	
C-16 S. Hunt	/	/	
C-17 P. Smith	/	/	
C-18 R. Edwards	6:43 / 7:06	/	
C-19 R. Bartels	/	/	
C-20	/	/	
E-1 G. Stiles	6:45 / 11:21	11:47 / 12:55	1:52
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swann	6:59 / 7:20	7:47 / 12:55	1:52
E-5 T. Yashinski	7:04 / 12:28	12:55 / 5:50	
E-9 C. Bixby	7:56 / 3:03		
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	12:00 / 12:02	/	
S-3 Jerry Palmer	5:55 / 2:05	/	
S-4 T. Cobb	1:50 / 6:50	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 12, 1990

No./Name		Time In/Out	Time In/Out		Remarks
J. Peterman	A-2	6:50/12:20	12:55/5:53		
R. Moyer	A-3	6:50/12:20	12:55/5:53		
J. Friscia	A-4	6:50/12:20	12:55/5:53		
J. Lovewell	A-5	6:50/12:20	12:55/5:53		
D. Rall	A-6	6:59/12:20	12:55/		
L. Hoppock	A-7	7:20/10:10			
Randy Crooks	E-7	7:00/9:44	10:19/12:21	12:53/5:03	Meyers
Doug Tingue	E-6	7:00/X:01	9:20/9:34	9:31/9:44	10:19/12:21 D SAS 03 Landscaping
Charlie Baker		11:25/12:21			
FXI		12:30/12:55			del.: for Common + Ebasco
Jon Brandes		1:15/1:25			
Tom Gowen		2:22/3:56			Beam Clean
Fed Ex		3:15/3:21			Spc delivery/spc pickup
~~Fed Ex~~ Consolidated Freightways		3:23/3:30			pre Pipe for EBASCO
UPS		3:45/3:45			
Steve Lawrence		6:07/6:32			possible employment for Ebasco
G. Stiles					
C. Swann					
D. Rall		Still here			
~~Steve Lawrence~~					

SECURITY

SINCLAIR REFINERY SITE
WELLSVILLE, N.Y.

SITE ACCESS GATE LOG

COMPANY: O.H.M. DATE: 10-13-90

EMP.NO.	NAME	TIME IN	TIME OUT	REMARK
1174	Daniel O'Rell	0630	1730	
3538	James Peterson	0700	1700	
3916	Joseph Donnelly	0700	1700	
3790	JOHN FALCO	0700	1700	
3091	Roger Meyer	0700	1700	
VISITORS				
N/A	Charlie Baker	1:30pm	2:15pm	
N/A	DAN Whols	2:45pm	3:10pm	
DELIVERIES				

PAGE: _____ OF _____

PROJECT ENTRY PERMIT

DATE: 10-12-90 TIME IN: 6:40 AM TIME OUT: 7:45 pm

NAME: Gary L Stiles

COMPANY: EBASCO

BADGE No: E-1

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

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 11, 1990

Arrived at 6:50 a.m.
Plan of Day:

* No work West side due to wet conditions.
* Continue toe trench East side.
* Receive rip rap.

Field Observations and Activities:

* Toe trench excavation and backfill continued (filter fabric, bedding stone and rip rap) until just before noon when all work was suspendended due to rising water conditions. (1.75 inches rain from 8:00 a.m. to 7:00 p.m. - 1.1 inches from 8:00 a.m. to 12:00 p.m.).
* River subsequently rose and inundated all toe trench work areas. Wash outs occurred in areas where overland tributary flow entered river. Most control stakes wiped out and downed trees and stumps, destined for burial washed into river.
* Contractor received rip rap on East side in a.m. with trucks hauling direct to backhoe. Due to stockpiling and placement of common fill materials access road is now depressed which results inpounded water and inability to maintain road. In p.m. rip rap was stockpiled, adjacent to station 4+00 on West side.
* Writer received sampling and testfill programs.
* OHM did not work due to continued moderate rainfall throughout day.

Left site at 7:10 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 11, 1990

Arrived at 6:15 a.m.
Plan of Day:
* Work rip rap W/B.
* Construct toe trench E/B.
heavy rains continued Canonie knocked off at 11:00 am.

I went to East bank and observed Canonies operation the area they were trying to work in (station 6+50) was surrounded with 10" to 1 foot of wet soupy material - rip rap was being dumped in this area and the D-6 dozer was just driving back and forth making matters worse.

Weekly progress meeting - see meeting minutes.

Tom Clark of ReTec called and got the right information on his participation with the up-coming testfill construction.

Cal and I checked the river from the East bank at 7:20 pm. The river is up about 3 feet and still.

OHM started clearing on CELA, but did not make much progress due to rain.

Doug Myers surveyors showed up but had to go back and get their physicals, will be back Thursday.

OHM has not signed their contract yet. Will talk with Dan R. in the morning.

RECEIVED
OCT 15 1990
EBASCO / ARCO

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

DATE: 10-11-90 DAY: Thursday HRS.WRK. 5 REPORT NO. 99

WEATHER INFORMATION:

TEMPERATURE: High 56 Low 49 WIND: Mph. — Dir. —

PRECIPITATION: 1.93" HUMIDITY: High RIVER EL: AM 4.9 PM 9.4

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

Weather 10-10-90
Wednesday
High : 84
Low : 53
Precipitation : None

	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		

MANUAL CANONIE GEN. Labor 2 Equip. Oper. 7
Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	5			
" 963	5			
" D-6	5			
" D-5		Stand by		
" 12G		Stand by		
(Sheep) Compactor		Stand by		
(Smooth) "		Stand by		
Canonie Wtr. Trk		OFFSITE		For Repairs
Hertz Wtr. Trk		Stand by		
(E. Bank) Cat 235	5			
Komatsu PC 200		Stand by		
Generator / Steam Genny		Stand-by		
½ ton pickup	5			
mechanic Trucks	6			
Front End Loader	5			

MEETINGS:

PLAN OF DAY Con't work on E. Bank Toe Trench.

SAFETY Good Construction Practices

SCHEDULED Weekly meeting held at 10:00 (minutes to be submitted within three days.

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK Act. ID # 203 (construct E. Bank Toe Trench)
Act ID # 202 (Backfill East Bank Common Fill Area)

RIVER (Any activity performed in water or gravel bar)
E. Bank Toe Trench

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	10-11-90 : 520 10-10-90 : 700
EXCAVATION			BEDDING MATRL	CY	52.5
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E. Bank 196.53
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~~	53.55 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	416.49
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)

Follow Test Trench Excavation on E. Bank and check grades.

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	6+60	A-6	Geotextile		X	
2	6+75	A-7	Bedding		X	
3	7+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:

TH & SAFETY 10-11-90

TIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	9, 1, 1	45, 1, 1
"C"		
"B"		
OTHER		

IR MONITORING:

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

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0915	East bank	9/Trackhoe, loader, dozer	D	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ✓ Emps. Out: ✓

Equipment: In: ✓ Out: ✓

Venders Equipment: In: ✓ 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:

DESCRIPTION Main gate was unlocked but closed at beginning of shift. All doors were checked and found to be locked.

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:

October 14, 1990

Daily Progress Report

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

Sheet 2

BY: Peter Porter CLIENT: ARCO DATE: 10-11-90

CLIENT: Sinclair Refinery, Wellsville PE/PS

JOB NO: 88-093 LOCATION OF WORK: E. Bank

ACTIVITY: - W. Bank -

No Work Today

- E. Bank -

Activity ID # 203 (Construct E. Bank Toe Trench)

- placed geotextile sta 7+00 - 6+40
- placed bedding sta 7+10 - 6+50
- placed Rip Rap sta 6+75 - 7+25

Placement of all materials conforms to the Modifications given to Canonie for work on the E. Bank

Work called off at 11:30 due to rain storm and flooding conditions.

F-941

(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
SHEET ____ OF ____
INSPECTION DATE 10-11-90

	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 7+00 TO 6+40

5. REMARKS Geotextile was bound together with pig rings to ~~provide~~ 18" - 24" overlap

INSPECTOR Robert Cook DATE 10-12-90

REVIEWED BY [illegible] DATE 10.15

BEDDING

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 10-11-90

	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 7+10 TO 6+50

5. REMARKS Bedding stone thickness was checked by the surveyors prior to placement of Rip Rap.

INSPECTOR [signature] DATE 10-12-90

REVIEWED BY [signature] DATE 10-15

RIP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-11-90

	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			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 6+75 TO 7+25

5. REMARKS Rip Rap placed in toe trench was checked by sounding with the Cat 235 Hoe.

INSPECTOR _____ DATE 10-12-90

REVIEWED BY _____ DATE 10.15

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-11-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - Rain

Personnel Sampling

None

Name	Date	IWA

Calibration Method for Equipment

N/A

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-11-90

Work Areas Checked: East bank

Employees Present in Work Areas: G. Reid, S. Hunt, G. Machele, N. Tracy, P. Smith, B. McKim, C. McKim, T. Allen, R. Edwards, D. Dekker, K. Ettinger

Equipment Being Utilized: 2 Trackhoes, loader, dozer

PPE Being Utilized: level-D

Accidents/Breeches of Procedures: None - work discontinued at 2 11:30 AM due to excessive rainfall and rising river.

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 11, 1990

No./Name	Time In/Out	Time In/Out	Remarks:			
C-1 D. Dekker	6:43 8:14	9:04 / 11:18	11:35 / 12:43	~~1:26~~ / 2:00	3:27 / 4:16	
C-2 L. Dekker	6:43 / 12:47	1:07 / 2:00	3:27 / 4:16			
C-3 P. Porter	6:57 / 9:06	10:00 / 11:35	11:40 / 11:49	12:32 / 12:43	1:26 / 3:57	
C-4 A. Muellerleile	7:18 / 11:45	12:32 / 12:43	1:26 / 3:57	4:20 / 4:22		
C-5 C. Ettinger	7:00 / 8:21	10:42 / 12:31				
C-6 F. Gontowski	6:59 / 11:45	12:32 / 3:57				
C-7 ~~G. Chang~~ T. Allen	7:05 / 7:23	9:45 / 10:40	11:16 / 11:21	11:46 / 12:13		
C-8 J. App	/	/				
C-9 G. Lazusky	6:52 / 9:01	11:29 / 11:53				
C-10 C. Carrow	/	/				
C-11 B. Mckim	6:40 / 7:13	7:39 / 7:41	10:16 / 10:22	11:48 / 12:12		
C-12 C. Mckim	6:37 / 7:13	11:46 / 12:17				
C-13 G. Reid	6:57 / 7:13	11:46 / 12:17				
C-14 N. Tracy	6:48 / 7:15	11:46 / 12:16				3:19 / 3:27
C-15 G. Maichele	6:29 / 6:29	6:34 / 6:33	6:52 / 7:15	11:48 / 12:16	2:54 / 3:00	
C-16 S. Hunt	6:30 / 6:33	6:52 / 7:09	7:39 / 7:44	10:22 / 10:40	11:46 / 12:16	
C-17 P. Smith	6:43 / 7:14	11:46 / 12:16				
C-18 R. Edwards	6:48 / 7:23	9:45 / 10:40	11:16 / 11:21	11:46 / 12:16		
C-19 R. Bartels	6:52 / 8:20	8:53 / 9:01	11:29 / 11:53			
C-20	/	/				
E-1 G. Stiles	6:45 / 9:38	9:58 / 10:04	10:24 / 12:28	1:25 / 6:19		
E-2 T. Granger	/	/				
E-3 S. Stiles	/	/				
E-4 C. Swann	7:11 / 8:12	9:23 / 9:38	9:58 / 11:22	11:51 / 12:28	1:25 / 6:19	
E-5 I. Yoshinski	8:08 / 12:03	12:53 / 2:18	2:25 / 5:50			
A-1	/	/				
A-2	/	/				
A-4	/	/				
C/E-1 D. Stubbs	9:30 / 1:30	/				
C/E-2	/	/				
C/E-3	/	/				
C/E-4	/	/				
S-1 Jon Palmer	/	/				
S-2 A. Palmer	/	/				
S-3 Jerry Palmer	6:03 / 2:04	/				
S-4 T. Cobb	1:52 / 6:50	/				
S-5 A. Fox	/	/				
S-6	/	/				

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 11, 1990

No. Name	Time In/Out	Time In/Out	Remarks
Dan Rall A-2	6:32/9:06	9:45/12:14 12:51/3:59 4:41/5:04	OHM
John Peterman A-4	6:54/11:00	2:01/3:57	
J. Fascigo A-5	6:54/11:00		
J. Lovewell A-6	6:54/11:00		
R. Moyer A-7	6:54/11:00		
J. Friebel A-3	7:05/12:14	12:51/	
Doug Tingue E-6	7:08/9:04	9:21/11:59 12:31/3:27	Doug Meyers Landscaping
Randy Crooks E-7	7:08/9:04	9:21/11:59 12:31/3:27	"
Boyd Green JR.	9:52/10:12	11:28/11:36	
Dick Neely E-9	10:25/11:41		WVFD
UPS	10:27/10:30		
Dale Baker	10:40/11:47		deliver storage trailer
John Perkins	10:40/11:47		"
Lancaster Steel Serv.	12:44/1:48		delivery to Ebasco
Consolidated Freight	1:25/1:58		
Dale Zanders	1:47/1:14		Shoets Oil Co.
Fed Ex	1:47/1:52		
A-1 James Coombs 66	2:04/2:18		Gen. Crushed Stone
A-2 Frank Othump 62	2:18/2:26		"
A-3 Frank Cleveland 64	2:18/2:25		"
A-4 Jim Rafter 7	2:14/2:38		"
A-5 Rob Hall 19	2:23/2:38		"
A-6 Rick Sloan 11	2:25/2:36		"
A-7 Raychreland 63	2:33/2:41		"
A-8 Don Brantle 61	2:34/2:50		"
A-9 Ron Swilsum 65	2:33/2:43		"
A-10 Gary Mulley 17	2:48/2:55		"
Charlie Baker	2:55/3:37		to see P. Porter and G. Stiles
UPS	4:14/4:16		1pc. pickup/1pc. delivery

PROJECT ENTRY PERMIT

DATE: 10-10 TIME IN: _____ TIME OUT: 9:30

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
OCTOBER 10, 1990

Arrived at 7:10 a.m.
Plan of Day:

* West side - no work due to rain.
* East side - Continue toe trench excavation followed by filter fabric, bedding stone and rip rap.

Field Observations and Activities:

* Continued excavation of toe trench with backhoe to station 7+50. After laying of filter fabric, 2nd backhoe followed up with bedding stone and rip rap, which was completed to station 7+50.
* Spoils from backhoe trench not being selectively excavated (one foot layer of silt bedding removed with gravel and dumped on bank). The dozer then spreading in dike footprint as a slurry. Backhoe excavating all material below water - should take more time draining water from bucket - instead of being spread out, the saturated gravel should be pushed into piles to assist gravity drainage - not spread out. Silt lens which lies as horizontal layer should be selectively excavated. Discussed the above with D. Dekker.
* Damp non drying conditions all day.
* OHM laborers commenced clearing of access corridor to CELA testfill area using chainsaw and weed eaters in p.m.
* Front end loader dumping bedding stone at intervals on rolled out filter fabric on West side slope.

Left site at 7:15 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 10, 1990

Arrived at 6:20 a.m.
Plan of Day:
* Work rip rap on W/B.
* Continue toe trench construction E/B.
NOTE : heavy rains started at 5:30 pm yesterday and it has rained off and on all night.

I asked Dave if he had heard anything on mod #1, he hadn't but would check.

Tom Yashinski EBASCO arrived on site at 8:30 am.

A meeting with the local emergency rep's was conducted at 9:00 am this morning - see meeting agenda & question/answer sheet.

OHM people didn't start anything today, due to rain and not having a signed contract of H&S certs on their people.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

OCT 12 1990

EBASCO / ARCO

DATE: 10-10-90 DAY: Wednesday HRS.WRK. 10 hrs REPORT NO. 98

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM 5.19 PM 4.94

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 1		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 2 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) "	8			
Canonie Wtr. Trk		offsite for Repairs		
Hertz Wtr. Trk		Standby		
(E. Bank) Cat 235	10			
Chipper		Released		
Generator / Steam Genny		Stand-by		
1/2 ton pickup	10			
Mechanic Trucks & Tools	11			
	0			

MEETINGS:

PLAN OF DAY W. Bank: Con't to trim slopes on Dike; Pull up geotextile and tie into top of Dike. Place Bedding Stone on Geotextile. - E. Bank: Con't toe trench excavation and geotextile, bedding stone and Rip Rap placement.

SAFETY Label & Take Personnel Protective Equipment Drums (PPE) to CELA compound. - 12 drums, BLACK. Clean Both Rupp trailers and wash Chipper

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Act ID # 604 (construct W. Bank Dike)

EAST BANK Act ID # 703 (Construct E. Bank Toe Trench)
Act ID # 705 (Place E. Bank Rip Rap Protection)
Act ID # 702 (Back Fill E. Bank Common Fill Area)

RIVER (Any activity performed in water or gravel bar)
E. Bank Toe Trench

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	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	98.5
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E.Bank · 711.14
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	500.9	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	122.55
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	670.44
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
No① Rupp Trailer	Yes	No	Patt Trent
Equipment Released	Washed	Inspected	
No.② Chipper	Yes	Yes	
Rupp Trailer	Yes	Yes	

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Cross section CELA compound
- Set Finish shoulder Stakes
- Verify toe trench excavation

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
	1	6+00	A-11	Erosion Control		X	
	2	6+50	A-3	Excavation	Toe Trench	X	
E. Bank	3	7+25	A-6	Geotextile		X	
	4	7+15	A-2	Bedding		X	
	5	8+00	A-8	Rip Rap		X	
	6	6+00	A-6	Geotextile		X	
W. Bank	7	11+00	A-7	Bedding		X	
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					
	"	"	"	"	"	"
	"	"	"	"	"	"
	"	"	"	"	"	"
	"	"	"	"	"	"

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

[redacted] & SAFETY 10-10-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	9, 1, 1	90, 7, 3
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None - limited west bank work (near completion)				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	0900	East bank	4/trackhoe, loader, dozer, D		None
2	1415	N of CELA	2/Trackhoe, loader	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

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

Equipment: In: ~~_____~~ Out: ~~_____~~

Venders Equipment: In: ~~_____~~ 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:

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 — October 10, 1990

Daily Progress Report

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

BY: Pete Porter | CLIENT: ARCO | DATE: 10-10-90

CLIENT: Sinclair Refinery, Wellsville NY | ~~PE/PS~~

JOB NO: 88-093 | LOCATION OF WORK: E. Bank / W. Bank

ACTIVITY: - W. Bank -

Activity ID # 604 (Construct W. Bank Dike)
- trimmed slopes to meet Contract Drawings
  sta 13+25 - sta 12+00
- tied Geotextile into top of Dike by approved method
  sta 0+00 - sta 6+50 and sta 11+50 - sta 12+50
- placed bedding on geotextile (sta 11+25 - sta 9+25)
according to Contract Drawings.
- placed bedding on geotextile in piles for final placement
  sta 5+50 - sta 9+25

- E. BANK -

Activity ID # 703 (Construct E. Bank Toe Trench)
- Excavation of Toe Trench
  - completed excavation sta 7+75 - 6+15
  - started excavation sta 13+25 - 14+00
- placement of materials
  - geotextile sta 8+10 - sta 7+00
  - bedding sta 8+15 - sta 7+10
  - Rip Rap (Activity ID # 705) sta 8+50 - sta 7+25

Activity ID # 702 (Backfill E. Bank Common Fill Area)
- Material Excavated from toe trench is placed in Common Fill Area or stockpiled for use on the haul road.

OTHER:

Placed 12 Drums on CEHA compound which contain all the Personal Protective Equipment used on the job. Each Drum is marked PPE in ORANGE

F-941

(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 ____
INSPECTION DATE 10-10-90

EROSION AND SEDIMENT CONTROL E. Bank

	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 7+00 TO 5+00

OTHER _____

4. REMARKS Installed gravel berm outside toe trench for diversion berm. Silt fence was placed on top of gravel berm. A Rip Rap berm was installed from sta 7+25 - sta 6+25 outside the gravel berm in the bend of the river to protect gravel berm. A Rip Rap diversion berm (Temporary) was installed on the toe trench at sta 11+50 to slow the movement of the river through the toe trench.

INSPECTOR _____ DATE 10-11-90

REVIEWED BY _____ DATE 10.12

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR ~~KEY TRENCH~~/
TOE PROTECTION TRENCH E. Bank

INSPECTION DATE 10-10-90

	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. Modifications	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 7+75 TO 6+15

4. REMARKS E. Bank Excavation of the Toe Trench is according to the Modifications. Excavation is verified by the surveyors prior to placement of geotextile

INSPECTOR _____ DATE 10-13-90

REVIEWED BY _____ DATE 10.13

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 10-10-90

GEOTEXTILE

E. Bank

	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 8+10 TO 7+00

5. REMARKS Geotextile was bound together with pig rings in order to verify 18" - 24" overlap.

INSPECTOR [signature] DATE 10-12-90

REVIEWED BY [signature] DATE 10-13

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 10-10-90

BEDDING

E. Bank

	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+15 TO 7+10

5. REMARKS Bedding stone thickness was verified by probing or by the surveyors.

INSPECTOR _____ DATE 10/13/90

REVIEWED BY _____ DATE 10/13

RIP RAP

SHEET __ OF ____
INSPECTION DATE 10-10-90

	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 8+50 TO 7+25

5. REMARKS Rip Rap placed in Toe Trench was checked by sounding with the bucket on the 235 Cat Hoe.

INSPECTOR Robert L Pool DATE 10-11-90

REVIEWED BY _____ DATE 10/13

GEOTEXTILE

FORM A
SHEET ____ OF ____
INSPECTION DATE 10-10-90

W. Bank.

	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 0+00 TO 6+50 AND STA. 11+50 TO 12+50

5. REMARKS Geotextile was brought up trimmed slope and tied into the top of the Dike according to method devised by D. Dekker and approved by G. Stiles (Ebasco). Method shown in Thurs. 10-9-90 Daily Report

INSPECTOR [signature] DATE 10-13-90

REVIEWED BY [signature] DATE 10/13

FORM C-7
SHEET ____ OF ____

BEDDING

INSPECTION DATE 10-10-90

W. Bank

	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 11+25 TO 9+75

5. REMARKS Bedding stone placed on geotextile was checked by probing.

From Sta 5+50 - 9+75. Bedding stone was placed on geotextile in piles awaiting final placement.

INSPECTOR [signature] DATE 10-13-90

REVIEWED BY [signature] DATE 10.13

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-10-90

Work Areas Checked: East bank
NY dike (west bank dike)

Employees Present in Work Areas: N. Tracy, S. Hunt, B. McKim, G. McKim, G. Reed, G. Michele, P. Smith, T. Allen, R. Edwards, D. Deckes, P. Porter, K. Ettinger

Equipment Being Utilized: 2 Trackhoes, 2 loaders, D-6 Dozer, Roller, Grader

PPE Being Utilized: level-D

Accidents/Breeches of Procedures: None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-10-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - limited west bank work (clay hauling complete)

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 10, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:39 / 7:20	8:37 / 9:04	12:08/12:17 12:48/1:47 3:59/4:55 5:42/6:14
C-2 L. Dekker	6:39 / 12:17	12:48 / 6:14	
C-3 P. Porter	6:36 / 12:20	1:00 /	
C-4 A. Muellerleile	7:14 / 12:20	1:00 / 3:18	4:05/
C-5 C. Ettinger	7:00 / 8:19	12:08 / 12:12	2:28/3:28 5:06/5:39
C-6 F. Gontowski	7:01 / 8:19	8:51 / 12:20	1:00/1:56 2:12/2:34 2:56/3:44 5:54
C-7 ~~C. Chang~~ T. Allen	7:02 / 8:42	9:16 / 12:01	12:13/2:15 3:41/5:23 5:36/5:51
C-8 J. App	/	/	
C-9 G. Lazusky	6:55 / 11:16	1:04 / 5:32	
C-10 C. Carrow	6:55 / 7:21	8:19 / 11:16	1:04/4:54 5:19/5:32
C-11 B. Mckim	6:39 / 9:45	9:56 / 10:13	10:27/10:57 10:20/2:49 3:01/5:45
C-12 C. Mckim	6:42 / 7:09	/	
C-13 G. Reid	6:42 / 7:10	/	
C-14 N. Tracy	6:50 / 7:08	/	
C-15 G. Maichele	6:30 / 6:31	6:52 / 7:10	5:51/6:00
C-16 S. Hunt	6:29 / 6:31	6:52 / 9:08	9:30/9:54 10:28/10:49 12:40/6:00
C-17 P. Smith	6:44 / 7:10	/	
C-18 R. Edwards	6:46 / 8:42	9:16 / 12:04	12:44/2:15 3:41/5:23 5:36/5:44
C-19 R. Bartels	6:55 / 7:21	5:19 / 5:32	
C-20 N. Ungerman	/	/	
E-1 G. Stiles	7:21 / 8:13	8:24 / 12:08	1:15/2:00 3:32/[redacted]
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swann	6:55 / 10:22	11:26 / 4:48	5:38/
E-5 C. Bixby	7:51 / 4:22	/	
E-9 T. Yoshinski	8:35 / 12:07	12:25 / 4:01	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:16 / 9:56	11:34 / 1:30	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	1:30 / 1:49	2:17 / 2:26	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:03	/	
S-4 T. Cobb	1:56 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 10, 1990

No.	Name		Time In/Out	Time In/Out		Remarks
	M. Kravitz		6:19/6:56	7:50/10:25	3:17	4:17
	D. Rall		6:39/11:55	12:45/5:06	11:55	~~5:06~~
	J. Peterman		6:49/8:17	9:04/9:07	10:00/10:~~44~~	5:06
	R. Moyer		6:49/11:55	12:32/5:06		OHM Corp.
	J. Faciao					
	J. Lovewell					
	L. Hoppock		/10:25	& 5:06		
	J. Friebel		7:51/10:44	11:50/11:55	12:45/5:06	
	Randy Crooks	E-7	7:11/9:00			Doug Meyers Landscaping
	Doug Tingue	E-6	7:11/9:00			
	Mike Baldwin	C/E-2	8:54/10:15			WVAC
	Tom Barnett	C/E-3	8:55/10:15			Allegany Haz-Mat
	Gus Weber	C/E-4	8:55/10:15			Jones Memorial Hospital
	Bob Chaffee	C/E-5	8:56/10:06			Wellsville DPW
	John Tucker	C/E-6	9:00/10:15			Allegany OES
	Jim Cicerello	C/E-7				WPD
	Dick Neely	C/E-8				WVFD
	Skip Johnson	S-5				WVFD
	Judy Kocelwicz	S-9	9:07/10:05			American Red Cross
	Dick Edwards	E-10	9:00/10:15			WVFD
	Bub Gardner	C-20	9:24/10:06			Wellsville Mayor
	Don Pye		9:24/9:37	10:20/10:37		Baker's mechanic
	Adams Septic Service		10:12/10:25			
	UPS		10:15/10:17			
	Pattons Busy Bee		10:43/10:52			
	Dale Zanders		11:03/11:33			Shorts Oil Co.
	Lamy Worthington		11:07/11:11			Shawley Office Equip.
	G. Bohrer		11:15/11:19			to see L. Dekker
	Yus Kos		11:15/11:19			
	Charlie Baker		11:54/11:58			
	Mike Hags		11:55/12:10			Rusiniak's Towing
	Consolidated Freight		1:30/1:47			
	Fed Ex		1:30/1:34			
	Boyd Green JR.	A-1	1:40/1:45	2:44/2:53		
	Tom Gowan		2:19/4:01			Beam Clean
	UPS.		4:20/4:22			1pc. pickup
	P. Porter					
	F. Gentowski					
	~~A. Wellington~~					Still working
	G. Stiles					
	C. Shann					

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 9, 1990

Arrived at 6:35 a.m.
Plan of Day:
* Continue rip rap W/B.
* Continue working inside slope W/B.
* Continue toe trench at E/B.

Dave asked about using excess clay from West dike to cover CELA impoundment, I told him I would look at it and let him know - I would rather use the unsuitable that is at North end of road by Drum storage compound.

I told Dave that he needed to pile the excavated toe trench material in piles to allow it to drain - this would probably require control dikes with some designated drainage ditching - as the present method that is being used is making a mess out of the existing ground and is not helping the construction activities in that area, he will look at this.

Tom G. arrived at 8:15 am

Dan Raul of OHM arrived at 8:20 am - he is the supervisor and operator.

Mark K. OHM showed up at 8:30 am - I briefed them on what we need in the way of paper work. He had his information and would get the others sent out to him, before they go to work.

Walt Simmons, Richard Knowles and Diann Smith ARCO - arrived at 8:45 am.

Cal and I staked the testfill area.

OHM received their work truck with a 580 backhoe on tandom trailer. He also had 5 men shoe up, but didn't have H&S papers - will have in the morning.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 9, 1990

Arrived at: 6:50 a.m.
Plan of Day:

* Fine grade West side.
* Roll up filter fabric to top of slope.
* Place bedding stone and rip rap on West Dike slope.
* Continue excavation, filter fabric, bedding stone, and rip rap on East side.

Field Observations and Activities:

* Backhoe graded rip rap slope; laborers extended filter fabric to dike crest. Fabric short in some areas - added pieces where deficient.
* Surveyors staked neat line grade (5-6 feet full in some areas) - deficient in 2 areas of inside slope - scabbed on fill in deficient areas will require track walking. Fine grading top of dike with motor grader.
* Backhoe placing bedding stone and rip rap on West Dike station 0+00 to 1+00.
* Dozer covering waste stockpile on CELA, completed 50% when ran out of material.
* Two backhoes working toe trench on East side. Hauling spoil to common fill area. Layed filter fabric and placed bedding stone and rip rap.
* Layed out test fill area an CELA for OHM to clear to morrow. Two OHM people on site, first OHM equipment mobilized.
* Rain (heavy at times started at 5:30 p.m.-1.1 inches overnight).

Left site at: 7:00 p.m.

RECEIVED
OCT 12 1990
EBASCO / ARCO

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

DATE: 10-9-90 DAY: Tuesday HRS.WRK. 10 hrs REPORT NO. 97

WEATHER INFORMATION:

TEMPERATURE: High 78 Low 50 WIND: Mph. 0-5 Dir. South

PRECIPITATION: 0.88" HUMIDITY: High RIVER EL: AM 4.63 PM 4.64

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

Weather : Mon 10-8-90
High : 72
Low : 55
Precipitation : None

	F.E/I	1	R.E. 1
	H&SO		P.E. 1
	C/SE		QCM 1
	P.M.	1	H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		3	CANONIE SUB. App Surveyors
"			SUPV. 1 EMPS. 2
USCOE/EPA		1	SUB. Hagerman Excavating
"			SUPV. 1 EMPS. 2

VISITORS See Security log

MANUAL CANONIE GEN. Labor 2 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		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk		Offsite Repairs		
Hertz Wtr. Trk		Stand-by		
(E. Bank) Cat 235	10			
Chipper		Stand-by		
Generator / Steam Gangy		Stand-by		
1/2 ton pickup	10			
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY Can't work on Toe Trench : E. Bank
W. Bank : Start to tie geotextile into the top of the dike.
Can't to Trim slopes and place Geotextile, Bedding Stone
and Rip Rap

SAFETY Need life vests when in water and life line when
over toe trench. Be careful when around machines.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 605 (Place W. Bank Rip Rap Protection)
604 (construct W. Bank Dike)

EAST BANK # 703 (Construct E Bank Toe Trench)
705 (Place E. Bank Rip Rap Protection)
702 (Backfill E. Bank Common Fill Area)

RIVER (Any activity performed in water or gravel bar)
E. Bank Toe Trench

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	
CONTNTD	CY		GEOTEXTILE FAB	SY	1213.3
EXCAVATION			BEDDING MATRL	CY	85.5
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	W. Bank: 68.34 E. Bank: 515.93
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	715.0	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~	128.19 tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	651.27
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	1000		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Set Grade Shoulder Stakes 0+00 - 16+00
- Verify Toe Trench excavation at correct elevations

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	0+10	A-8	Rip Rap		X	
	2	7+00	A-3	Excavation	Toe Trench	X	
	3	7+50	A-6	Geotextile		X	
E. Bank	4	7+50	A-7	Bedding		X	
	5	7+75	A-8	Rip Rap		X	
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

L[redacted] & SAFETY 10-9-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	9, 3, 1	90, 15, 2
"C"		
"B"		
OTHER		

A[redacted]R MONITORING:

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

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	0930	East bank	7/2 Trucks, loaders, dozer	D	None
2	1015	N. of CELA (d.ka)	2/graders, dozer	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: D-5 dozer Out: —

Venders Equipment: In: — 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:

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:

October 9, 1990

Daily Progress Report

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

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 10-9-90

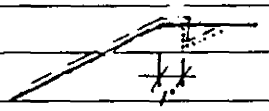
CLIENT: Sinclair Refinery | ~~PE/PS~~

JOB NO: 88-093 | LOCATION OF WORK: E. Bank / W. Bank

ACTIVITY: - W. Bank -

Activity ID # 605 (Place W. Bank Rip Rap Protection)
- Placed Rip Rap sta 0+00 - sta 0+25

Activity ID # 604 (Construct W. Bank Dike)
- trimmed outside slope of dike to meet Contract drawing requirements. (sta 5+50 - sta 13+25)
- Cut top of dike to subgrade elevation.
- Tied geotextile into the top of the dike according to the method devised by Dave Dekker and approved by Gary Stiles. (sta 6+50 - sta 11+50)



-- Geotextile
— Subgrade

- E. Bank -

Activity ID # 703 (Construct E. Bank Toe Trench)
- excavated sta 12+50 - sta 13+25
sta 8+50 - sta 7+25
; excavation was verified by surveyors for proper depths and alignment throughout the operation
- Geotextile sta 12+50 - 13+15
sta 9+10 - 8+10
: Geotextile was bound together with pig rings to verify 18" to 24" overlap
- Bedding sta 12+50 - sta 13+10
sta 9+15 - sta 8+15

Activity ID # 705 (Place E. Bank Rip Rap Protection)
Place Rip Rap in toe trench sta 9+60 - sta 8+50 ; sta 13+00 - 12+25

Activity ID # 702 (Backfill E. Bank Common Fill Area)
- All material excavated from toe trench was placed in Common Fill Area or used on haul roads.

(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

RIP RAP W. Bank

SHEET __ OF ___

INSPECTION DATE 10-9-90

	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 0+25 TO 0+00

5. REMARKS Placed Rip Rap on bedding stone to existing grade of like. Rip Rap may need to be worked in place.

INSPECTOR _____ DATE 10-10-90

REVIEWED BY _____ DATE 10-12

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR ~~KEY TRENCH~~/
TOE PROTECTION TRENCH E. Bank

INSPECTION DATE 10-9-90

	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. (THE Modifications)	X	____	____
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS. Not Visible	X	____	____

2. DUST CONTROL

ACTION TAKEN ____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 6+15 TO 7+75

4. REMARKS Material Excavated from Toe Trench is COARSE gravel & cobble stone. Excavation depths were verified by the surveyors throughout the operation. Excavation complete sta 13+25 - 6+15 in accordance to Modification

INSPECTOR Peter I Pond DATE 10-10-90

REVIEWED BY MM DATE 10-12

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 10-9-90

GEOTEXTILE

E. Bank

	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 8+10 TO 7+00

5. REMARKS Geotextile was connected together with pig rings to verify 18" to 24" overlap when placement is in the water

INSPECTOR [signature] DATE 10-10-90

REVIEWED BY [signature] DATE 10-12

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 10-9-80

BEDDING

E. Bank

	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+15 TO 7+10

5. REMARKS Bedding stone was placed using both CAT 235 backhoes due to width of the trench. The Bedding Stone thickness was checked by the Surveyors prior to placement of Rip Rap.

INSPECTOR _____ DATE 10-10-80

REVIEWED BY ~~MM~~ DATE 10-12

RIP RAP E. Bank

SHEET __ OF __
INSPECTION DATE 10-9-90

	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			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 8+50 TO 7+25

5. REMARKS Rip Rap was placed in Toe Trench and checked by sounding with the bucket of the Cat 235. A pile of Rip Rap was placed along the center of the Toe Trench for placement on the far side. The Cat 235 will sit on the gravel bar to finish placement of the Rip Rap in the Toe Trench.

INSPECTOR _____ DATE 10-10-90

REVIEWED BY _____ DATE 10-12

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-9-90

Work Areas Checked: East bank
dike on West bank

Employees Present in Work Areas: N Tracy, B. McKim, C. McKim, S. Hunt, P. Smith, G. Reid, G. MacLele, T. Allen, R. Edwards, P. Potter, P. Pekker, F. Gontowski, K. Ettinger

Equipment Being Utilized: 2 loaders, 2 dozers, 2 trackhoes, Roller, Grader

PPE Being Utilized: level D
(Modified D during storage pit covering)

Accidents/Breeches of Procedures: None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-9-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - Rain/showers

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 9, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:45/8:18	10:43/11:20	12:02/2:03 2:59/4:32 5:57/6:29
C-2 L. Dekker	6:45/6:29	/	
C-3 P. Porter	6:46/9:38	10:17/12:21	12:48/2:03 2:59/5:35 5:30/
C-4 A. Muellerleile	7:16/9:19	10:26/12:21	12:48/
C-5 C. Ettinger	6:55/8:17	12:03/12:10	12:24/1:01 4:20/6:00
C-6 F. Gontowski	6:54/7:51	8:38/9:50	10:17/11:43 12:06/1:09 3:19/
C-7 ~~S. Chang~~ T. Allen	7:02/7:50	7:56/7:59	12:01/12:03 12:17/5:34
C-8 J. App	/	/	
C-9 G. Lazusky	6:55/7:13	7:27/4:44	5:19/5:30
C-10 C. Carrow	6:55/7:13	7:27/7:30	8:23/4:44 5:19/5:30
C-11 B. Mckim	6:40/7:00	12:03/5:43	
C-12 C. Mckim	6:41/7:07	/	
C-13 G. Reid	6:41/7:07	/	
C-14 N. Tracy	6:48/7:07	/	
C-15 G. Maichele	6:27/6:35	6:54/7:07	5:57/6:00
C-16 S. Hunt	6:15/6:35	6:54/11:58	12:13/5:30 5:51/5:57
C-17 P. Smith	6:41/7:07	5:36/5:40	
C-18 R. Edwards	6:45/7:50	7:56/~~12~~ 7:59	12:01/12:05 12:35/5:36
C-19 R. Gartels	6:55/7:13	7:27/4:44	5:19/5:30
C-20 N. Ungeeman	9:02/5:44	/	
E-1 G. Stiles	6:49/10:46	11:47/1:00	2:31/
~~E-2~~ C-5 T. Granger	9:10/10:46	11:47/1:00	2:31/5:06
E-3 S. Stiles	/1:04	/	
E-4 C. Swann	6:59/~~10:46~~ 10:44	2:48/	
E-5	/	/	
A-1 W. Simons	9:50/10:46	11:47/1:00	2:31/4:15
A-2 D. Knowles	9:50/10:46	11:47/1:00	2:31/4:15
A-~~3~~ D. Smith	9:50/10:46	11:47/1:00	2:31/4:15
C/E-1 D. Stubbs	9:30/11:41	11:54/1:30	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	10:46/11:07	3:42/3:53	
S-2 A. Palmer	12:19/12:21	/	
S-3 Jerry Palmer	6:00/11:56	/	
S-4 T. Cobb	12:31/12:39	1:49/	
S-5 A. Fox	11:17/11:25	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 9, 1990

No./Name		Time In/Out	Time In/Out		Remarks
Dan Rall E-6		7:05/7:07	7:36/11:56	12:43/2:23 3:38/5:21	OHM
Mark Kravitz E-7		8:12/9:53	11:11/11:56	12:43/5:21	OHM
Dean's Septic Service		10:02/10:20	2:47/2:48		
UPS		10:15/10:17	1:25/1:28		
Dale Zanders		12:30/12:39			Shorts Oil Co.
Charlie Baker		1:00/1:21	1:49/1:50	2:35/3:34	
James Peterman	A-5	1:09/2:23			OHM
John Pociqo	A-6	1:09/2:23			
James Lovell	A-7	1:09/2:23			
Larry Hoppock	A-8	1:09/2:23			
Roger Meyer	A9	1:09/2:23			
Pattons busy bee		2:39/2:43			to drop off dumpster
Fed Ex		3:35/3:40			1pc. delivery
UPS		3:49/3:52			2pc. pickup
~~A. Decker~~					Still working
~~L. Decker~~					
C. Porter					
A. Muellenhelm					
E. Gunsowski					
G. Stiles					
L. Swana					
S-6		12:49/12:55	5:10/5:17		GCS Ron Salzman
S-7		12:49/12:57			GCS Don Brandow
S-8		1:04/1:09			Boyd Green Jr.

PROJECT ENTRY PERMIT

DATE: 10-9 TIME IN: - TIME OUT: 7:00

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: 10-9 TIME IN: - TIME OUT: 8:15

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-6

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

PROJECT ENTRY PERMIT

DATE: 10-9 TIME IN: - TIME OUT: 6:40

NAME: A. Mueller-Leile

COMPANY: Canonie

BADGE No: C-4

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

ARCO WELLSVILLE
CONCTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 8, 1990

Arrived at 6:50 a.m.
Plan of Day:

* Continue rip rap on West side.
* Extend toe trench and filter fabric on East Side.
* Receive and stockpile rip rap.
* Install silt fencing East side.
* No clay due to expected wet conditions.

Field Observations and Activities:

* Excavating East side toe trench at station 13+50 and 8+50, placed filter fabric, bedding stone and rip rap, following verification of bottom elevation.
* Trucks hauling toe trench spoil to common fill North of station 6+00. D-6 pushing into pile to accelerate drying. Dry gravel will be used on haul roads to up river locations.
* Expected wet conditions did not happen. Hauled clay from Babbit pit in a.m., dike nearly topped out, fine grading remains. Babbit Pit hauling completed approximately noon.
* Backhoe fine grading slope and placing bedding stone and rip rap on West side.
* Reviewed contractor quantities August invoice.

Left site at: 7:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 8, 1990

Arrived at 6:25 a.m.
Plan of Day:
* Place clay.
* Construct toe trench.
* Work rip rap.

Jeff Reynolds returned my call, I told him I needed an H&S man up here to get things set-up. I know we need steel toe boots and they were on back order. I have discussed taking over the hygiene trailer from Canonie, to use until OHM has their facility in place. Jeff will talk with Tom Ford, he thinks they plan to send John Lane as H&S. Jeff will send me a copy of his response to EPA - I told him I plan on meeting with the local emergency people Oct. 10 and may need him or HSO for this.

John Boes called - he needs to talk to someone about contract I will have Rocco call him.

Rocco called back - he had talked with John gave him contract number and told him to look at the T&C that were in the O/S & PH rest for proposal. John told him that he would start mobilizing people today, but couldn't move equipment until contract is complete.

Tom Clark - of ReTec called, he wanted status of drillers. I told him they were still on for mid-week, but will confirm today. I gave him phone number, fax number, express mail address and general mailing address.

Called Rocco and got phone number and contact of driller and wick drain company.

Wick Drain - Geo Systems Inc.
(703)-430-5444
Joe Drumheller

Driller - Empire Soil
(716)-649-8110
Stanely J Blas or Joe Geneves

Called Vanu - about East bank coordinates, he said to give him half an hour, that was at 8:45 am he hadn't called back at noon.

Called Tom Barnet - 593-2700 he will call John Tucker and coordinate with the groups for Wednesday if possible.

Mark Kravecz of OHM called he will be here around 8:00 am Tuesday with one operator and 2 laborers.

Joe Genoves of Empire called he wants to know what the move date was, I told him that I planned for them to be here and ready to start drilling on Monday October 15 if he requires set up time then he would need to be in on Thursday or Friday of this week, he will be in on Monday. He has problems with how he is going to get around on the CELA with his equipment. I will have Cal talk with him.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED
OCT 10 1990
EBASCO / ARCO

DATE: 10-8-90 DAY: Monday HRS.WRK. 10 REPORT NO. 96

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: Lt. Drizzle HUMIDITY: ____ RIVER EL: AM 4.63 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 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	Ungerman Exc.
"		SUPV. 1	EMPS. 2
		(Backhoe) SUB.	(Dump Trucks) App Surveyors
USCOE/EPA 1		SUPV. 1	EMPS. 2
"			
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor 2 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	8			
(Sheep) Compactor	5			
(Smooth) "	5			
Canonie Wtr. Trk		Offsite For Repair		
Hertz Wtr. Trk		Standby		
(E. Bank) Cat 235	10			
Chipper		Standby		
Generator / Steam Genny		Stand By		
1/2 ton pickup	10			
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY W. Bank Complete The Dike Fill Work ; Place Bedding & Riprap As Needed w/PC 200 E. Bank Continue Excavation Of Toe Trench, As Well As Placing GT, Bedding & Riprap.

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 604 (Construct West Bank Dike)
605 (Place West Bank Riprap)

EAST BANK # 703 (Construct East Bank Toe Trench)
705 (Place E. Bank Rip Rap Protection)
702 (Backfill E Bank Common Fill Area)

RIVER (Any activity performed in water or gravel bar)
E. Bank Toe Trench

OTHER Sat. 10-6 2-Strand Barb wire fence was installed through Shertz Field up to road thru woods at Sta 18+50.

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 (Babb.#)	CY	381.0
CONTNTD	CY		GEOTEXTILE FAB	SY	520
EXCAVATION			BEDDING MATRL	CY	53
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E. Bank : 89.41 W. Bank : 494.42
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	595.8	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~ TONS	109.02
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	349.01
CLAY FILL (Baber)		381.0	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	100	No	Security
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Slope Stakes & Grade on E. Bank
- CELA X-sections
- Finish Grade on Dike & W. Bank

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	1+00	A-8	Riprap		X	
E. Bank	2	9+50	A-6	GT		X	
	3	9+50	A-7	Bedding		X	
	4	9+50	A-8	Riprap		X	
W. Bank	5	0+00 - 2+00 11+00 - 15+50	A-5	Babbitt	Dike Fill	X	
	6						
	7						
	8						
	9						
	10						

COMMENTS GT Sheets Continue To Be Fastened To One Another Using Pig Rings

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Testing completed on Babbitt Dike Fill Results will be included in Wed. 10-10-90 Daily Report

TECHNICAL CONCERNS/PROBLEMS:

PAGE: ____ OF ____

H & SAFETY 10-8-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod	2	6
"D"	8, 1, 1	80, 6, 3
"C"		
"B"		
OTHER		

R MONITORING:

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

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	0945	N of CELA	3/Truck, loader, grader (Roller)	- D -	None
2	1045	East bank	6/2 Trucks, loader, dozer	- D -	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: (2) Emps. Out: (2)

Equipment: In: — Out: —

Venders Equipment: In: — 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:

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 October 8, 1990

Daily Progress Report

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

Sheet 2

BY:	CLIENT:	DATE:
Pete Porter	ARCO	10/8/90
CLIENT: Sinclair Refinery, Wellsville		PE/PS
JOB NO: 88-093		LOCATION OF WORK: E. Bank / W. Bank

ACTIVITY: - W. Bank -

Activity ID # 604 (Construct W. Bank Dike)
- Completed Hauling in Dike Fill.
- Placed Dike Fill in 6" lifts and compacted to meet contract specification requirements.
- W. Bank Dike is completed to the Contract Drawings Subgrade.
- The Slopes need to be trimmed to meet the Contract Drawing requirements.
- Upon completion of the placement of Geotextile, Bedding Stone, and Rip Rap the Rip Rap will be worked in place to meet the Contract Drawings for final acceptance.

Activity ID # 605 (Place W. Bank Rip Rap)
- Rip Rap was placed from Sta 2+00 – 0+25
- Rip Rap will be worked in place to fill in low spots.

- E. Bank -

Activity ID # 703 (Construct E. Bank Toe Trench)
- Excavation 9+75 - 8+50
- Geotextile 10+50 - 9+10
- Bedding 10+00 - 9+15

Act ID #705 - Rip Rap 10+00 - 9+60

Toe Trench excavation was verified by the surveyors upon completion prior to placement of Geotextile

Activity ID #702 (Backfill E. Bank Common Fill Area)
- All material that is excavated from the toe trench that is suitable for fill below water is used in the old river channel.

F-941

(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

RIP RAP W. Bank

SHEET 1 OF 5
INSPECTION DATE 10-8-90

	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			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 2+25 TO 0+25

5. REMARKS Rip Rap was placed close to Contract Specifications. Rip Rap will be worked in-place upon completion of the Slopes.

INSPECTOR _____ DATE 10-9-90

REVIEWED BY _____ DATE 10-11

RIP RAP E. Bank

SHEET 3 OF 5
INSPECTION DATE 10-8-90

	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 10+00 TO 91+60

5. REMARKS Rip Rap was place in toe trench and partially up slopes. Rip Rap placed in Toe Trench under water was checked by sounding with the bucket on the 235 Cat Trackhoe.

INSPECTOR [signature] DATE 10-9-90

REVIEWED BY [signature] DATE 10-11

FORM A-7
SHEET 3 OF 5
INSPECTION DATE 10-8-90

BEDDING

E. Bank

	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 10+00 TO 9+15

5. REMARKS Bedding placed in the trench under water was verified by either probing or by the Surveying Crew

INSPECTOR [signature] DATE 10-8-90

REVIEWED BY [signature] DATE 10-11

GEOTEXTILE

FORM A-6
SHEET 4 OF 5
INSPECTION DATE 10-8-90

	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 10+50 TO 9+10

5. REMARKS Geotextile sheets were bound together by pig rings to assure the 18"- 24" overlap and placed in the toe trench by groups of 2 or 3.

INSPECTOR [signature] DATE 10-9-90

REVIEWED BY [signature] DATE 10-11

ILL MATERIAL ABOVE WATER SURFACE

SHEET 5 OF 5
INSPECTION DA 10-8-90

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.	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: None Required

5. FILL LOCATION 0+00 To 2+00
DIKE STATION 15+50 TO 11+00

6. REMARKS West Bank Dike is completely up to grade and slopes will be trimmed to meet contract Drawings.

INSPECTOR [signature] DATE 10-9-90

REVIEWED BY [signature] DATE 10-11

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-8-90

Work Areas Checked: N of CELA
East bank

Employees Present in Work Areas: G. Reid, G. Maisdole, B. McKim, C. McKim, S. Hunt, P. Smith, N. Tracy., T. Allen, R. Edwards, P. Foster, R. Dekker, K. Ettinger

Equipment Being Utilized: 2 Trackhoes, 2 loaders, 2 dozers, Compactor, Roller, Grader

PPE Being Utilized: level D
level D modified (during covering of storage pit on CELA)

Accidents/Breeches of Procedures: None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-8-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - Rain/showers

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 8, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:40 / 9:03	11:26 / 12:00	12:30/12:42 2:25/4:53 5:38/6:08
C-2 L. Dekker	6:40 / 12:00	12:30 / 6:08	
C-3 P. Porter	7:05 / 7:10	7:30 / 8:12	9:49/12:00 12:17/2:44 3:03/3:06 3:19/
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	8:05 / 9:29	11:17 / 11:45	12:04/1:50 3:17/5:29
C-6 F. Gontowski	6:51 / 7:10	7:55 / 11:02	11:26/12:00 12:17/3:30 4:36/
C-7 ~~C. Chang~~ T. Allen	7:06 / 7:20	9:10 / 9:31	11:57/12:00 12:12/12:41 5:29/5:37
C-8 J. App	/	/	
C-9 G. Lazusky	6:50 / 7:35	12:15 / 12:45	1:16 / 4:44
C-10 C. Carrow	6:47 / 7:35	12:15 / 12:45	1:16/4:38 5:24/5:31
C-11 B. Mckim	6:36 / 7:07	7:55 / 9:43	10:05/2:39 3:30/4:22 5:18/5:31
C-12 C. Mckim	6:34 / 7:05	/	
C-13 G. Reid	6:31 / 7:05	/	
C-14 N. Tracy	6:44/7:05	/	
C-15 G. Maichele	6:27 / 6:36	6:52 / 7:09	7:55/12:34 12:47/5:42 6:06/6:15
C-16 S. Hunt	6:26 / 6:36	6:52 / 7:24	8:09/11:57 12:10/5:42 6:06/6:10
C-17 P. Smith	6:42 / 7:05	/	
C-18 R. Edwards	6:45 / 7:20	9:10 / 9:31	11:59/12:00 12:30/12:41 5:29/5:40
C-19 R. Bartels	6:47 / 7:35	12:15 / 12:45	1:21/4:55 5:24/5:31
C-20 ~~F. Allen~~ N. Ungerman	6:55 / 5:45	/	
E-1 G. Stiles	6:40 / 4:06	4:26 /	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swan	6:50 / 10:19	11:45 / 12:44	1:52/2:56 3:38/4:11
E-5 C. Bixby	7:55 / 4:52	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2 D. Bingeet	10:36 / 1:23	2:33 / 2:49	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	5:55 / 2:13	/	
S-4 T. Cobb	2:00 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 8, 1990

No./Name	Time In/Out		Time In/Out		Remarks	
A-5 8:37/8:44						
A-6 9:07/9:15	12:51/12:58	4:43/4:54				
A-7 9:10/9:20	12:51/12:58	4:52/5:06				
A-8 9:14/9:23	1:06/1:13	4:57/5:02				
A-9 9:15/9:25	1:01/1:07	4:45/4:51				
A-10 9:20/9:29	1:06/1:13	4:57/5:05				

Adams Septic Service	9:25/9:36	pump toilets
Charlie Baker	10:15/10:30 11:21/11:57	
Tom Gowan	11:14/12:44	Beam Clean
FedEx	1:44/1:56	2 piece pickup
Rick Scuff	3:59/4:12	Shorts o/l co.
UPS	4:09/4:12	1pc. pickup

Porter
F. Gontowski
G. Stiles
C. Swann
} All still working

A-5	Boyd Green Jr.		Greens Trucking
A-6	Frank Charland	64	General Crushed Stone
A-7	Don Brandow	61	
A-8	Jim Coombs	66	
A-9	Ron Saltzman	65	
A-10	Ray Charland	63	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 8, 1990

No./Name	Time In/Out		Time In/Out			Remarks	
A-1	8:00/8:18	8:37/8:43	9:00/9:07	9:28/9:35	9:52/10:00	10:15/10:21	10:39/10:46
A-2	8:00/8:15	8:38/8:50	9:15/9:25	9:40/9:46	10:00/10:05	10:21/10:28	10:45/10:51
A-3	9:12/9:19	9:35/9:46	9:56/10:01	10:15/10:23	10:41/10:47	11:04/11:10	11:26/11:35
A-4	10:07/10:14	10:30/10:35	10:52/11:03	11:19/11:25	11:43/11:48	12:05/12:13	
A-1	11:02/11:09	11:26/11:33	11:50/11:57	12:17/12:24			
A-2	11:07/11:14	11:32/11:45	11:59/12:07				
A-3	11:51/12:04						
A-4							
A-1							
A-2							
A-3							
A-4							

A-1
A-2
A-3
A-4

A-1 Russ Layton
A-2 Rich Barry
A-3 John Perkins
A-4 Boyd Green

PROJECT ENTRY PERMIT

DATE: 10-8-90 TIME IN: — TIME OUT: 7:00

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: 10-8-90 TIME IN: — TIME OUT: 7:00

NAME: F. 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
OCTOBER 7, 1990

Arrived at 6:50 a.m.
No plan of Day:
* Only maintenance work.

Checked East bank 3 barricades and ribbons were down - I reset them.

Checked West bank everything o.k.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 6, 1990

Arrived at 6:15 a.m.
Plan of Day:

* Place clay W/B.
* Construct toe trench E/B.
* Place common fill at low area.

D-6 was spreading river material to the south, this is acceptable material for in water dike construction and should not be used for common fill until the dike is complete. I passed this on to Cal and Dave D. they will stop him and construct dike - Dave D. asked about using excavated material from the key trench - I reminded him of the spec. requirement for dike construction.

Dave D. told me they will not be working dike construction tomorrow - just equipment maintenance.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 6, 1990

Arrived at 6:55 a.m.
Plan of Day:

* Continue rip rap placement West side.
* Continue Dike fill West side.
* Excavate and haul stockpiles on East side to common fill area.
* Place rip rap in completed toe trench.
* Complete clay fill on NY Dike.

Field Observations and Activities:

* Ungerman backhoe placed bedding stone and rip rap on West Dike after laborers layed filter fabric. Ran out of material late in the morning.
* Placed clay on West Dike with four trucks from Babbit Pit. Dike was essentially topped out from station 0+00 to station 12+00.
* Excavated stockpiles and hauled to common fill on East side.
* Placed rip rap in toe trench station 12+00 to 10+50 on East side.
* Hauled stockpiled material from toe trench to common fill.

Left site at 6:30 p.m.

RECEIVED
OCT 1 0 1990
EBASCO / ARCO

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

DATE: 10/6/90 DAY: SAT. HRS.WRK. 10 REPORT NO. 95

WEATHER INFORMATION:

TEMPERATURE: High 85 Low 60 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: n.d RIVER EL: AM — PM —

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

	F.E/I 1		R.E.
	H&SO		P.E.
	C/SE		QCM 1
	P.M.		H&SO
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	UNDERHAN EXC.
"		SUPV. 1 (BACKHOE)	EMPS. 2 (DUMP TRUCKS)
USCOE/EPA		SUB.	
"		SUPV.	EMPS.

VISITORS See Security log

MANUAL CANONIE GEN. Labor 2 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	8			
(Sheep) Compactor	8			
(Smooth) "	5			
Canonie Wtr. Trk		CEESITE FOR REPAIRS		
Hertz Wtr. Trk	5			
(E. Bank) Cat 235	10			
Chipper		STAND-BY		
Generator / Steam Genny		STAND-BY		
1/2 ton pickup	10			
mechanic Trucks & Tools	11 &			

MEETINGS:

PLAN OF DAY W. Bank Continue O/ Babbit Fill; North Ungerman Will Place Riprap, Bedding & GT At North End Of Dike E. Bank Load Silty Material From TT, & Truck To Old River Channel Area; Continue Clearing Stumps & Trees; Place Riprap In TT In Areas Where GT & Bedding Were Placed Yesterday

SAFETY

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #604 (Construct West Bank Dike)
#605 (Place West Bank Riprap Protection)

EAST BANK #703 (Construct East Bank Toe Trench)

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 (Bas.Fill)	CY	1449
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	100.8
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E. Bank · 277.9 W. Bank · 44.6
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~~ TONS	54.23
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL (Base Fill)	CY	1449	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 Stake 3+50 - 2+00 E. Bank

X-section 25+00 to Beginning of Work E. Bank South End

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	1+00	A-6	GT		X	
	2	1+00	A-7	Bedding		X	
	3	2+40	A-8	Riprap		X	
	4	5+00 - NYDec	A-5	Dike Fill		X	
	5	11+50	A-8	Riprap		X	
E. Bank	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Testing Done on Babbitt Dike Fill Results are included up to date after inspection sheets

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	9, 2	90, 14
"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	8:10	E. Bank	5 / 2-325 Excavators,	D-6, Clean	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS: None

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

Equipment: In: _____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES: None

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

Accident/Breeches Report:_____

_____

SECURITY ACTIVITIES:

Attach Gate log & Security report

DATE 6 OCT 90

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 Reportable incidents for 6 oct 90

NO Persons Remaining onboard at 6:30pm

C. L. Fox

Daily Progress Report

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

Sheet 2

BY: FRANK GONTOWSKI	CLIENT:	DATE: 10/6/90
CLIENT: ARCO ; SINCLAIR REFINERY	PE/PS	
JOB NO: 88-093	LOCATION OF WORK: WELLSVILLE, NY	

ACTIVITY: WEST BANK

#1004 (CONSTRUCT WEST BANK DIKE)

- PLACED A LIFT FROM ACCESS ROAD TO NY DIKE
- SECOND LIFT PLACED FROM ACCESS ROAD TO STA. 10+80
- SOIL SPREAD THEN ROLLED W/815 & SMOOTH DRUM ROLLERS

#1005 (PLACE WEST BANK RIPRAP)

- GEOTEXTILE ROLLED UPWARDS FROM MIDDLE TO TOP OF SLOPE, FROM STA. 2+00 TO 0+00
- BEDDING PLACED FROM STA. 0+00 TO 2+00, FROM MIDPOINT TO TOP OF SLOPE
- RIPRAP PLACED FROM 2+50 TO 2+25

EAST BANK

#703 (CONSTRUCT EAST BANK TOE TRENCH)

- MOVED SILTS FROM TOE TRENCH EXCAVATION AREAS TO OLD RIVER CHANNEL AREA
- PLACED RIPRAP IN TOE TRENCH FROM STA. 12+00 TO 10+30

Misc.

- CONTINUED MOVING TREE STUMPS, ROOTS, ETC. TO OLD RIVER CHANNEL AREA

F-941

(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

SHEET ___ OF 2
INSPECTION DA 10/6/90

	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: Water Truck Used As Needed

5. FILL LOCATION
DIKE STATION 5+00 TO 16+50 W. Bank

6. REMARKS _____

INSPECTOR Frank Gontowski DATE 10/6/90

REVIEWED BY [signature] DATE 10.10

GEOTEXTILE

FORM 5
SHEET ____ OF ____
INSPECTION DATE 10/6/90

	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 0+00 TO 2+00 (W. BANK)

5. REMARKS GEOTEXTILE ROLLED UPWARDS FROM MIDDLE TO TOP OF SLOPE;

INSPECTOR FRANK GONTOWSKI DATE 10/6/90

REVIEWED BY [signature] DATE 10.10

FORM -7
SHEET ___ OF ___

BEDDING

INSPECTION DATE 10/6/90

	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: None Required

4. BEDDING LOCATION

DIKE STATION 0+00 TO 2+00

5. REMARKS Bedding Placed From Middle To Top Of Slope In Areas Where GT Was Placed

INSPECTOR Frank Gontowski DATE 10/6/90

REVIEWED BY MA DATE 10.10

RIP RAP

SHEET _ OF _____
INSPECTION DATE 10/6/90

	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: None Required

4. RIPRAP LOCATION

DIKE STATION 2+50 / 12+00 TO 2+25 / 10+30 W. Bank E. Bank

5. REMARKS _____

INSPECTOR Frank Gontowski DATE 10/6/90

REVIEWED BY [signature] DATE 10.10

GRAIN SIZE ANALYSIS-MECHANICAL Data Sheet 5

Project Babt. River Channelization Job No. 88-093

Location of Project Wellsville, NY Boring No. — Sample No. 2

Description of Soil Babbit Fill Depth of Sample Elev. 1498.6

Tested By FJG Date of testing 9/29, 10/2, 9, 10, 11/90

Soil Sample Size (ASTM D1140-54)

Nominal diameter of largest particle	Approximate minimum Wt. of sample, g
No. 10 sieve	200
No. 4 sieve	500
3/4 in.	1500

Wt. of dry sample + container	2374g
Wt. of container	127.4g
Wt. of dry sample, W,	2246.6g

Sieve analysis and grain shape

Sieve no.	Diam. (mm)	Wt. retained (g)	% retained	% passing
"	25.0	371.0	16.5	83.5
3/4"	19.0	54.2	2.4	81.1
1/2"	12.5	332.2	14.8	66.3
3/8"	9.5	207.2	9.2	57.1
#4	4.75	207.2	9.2	47.9
#10	2	124.3	5.5	42.4
#20	850μm	97.2	4.3	38.1
#40	425 μm	177.3	7.9	30.2
#60	250μm	53.3	2.4	27.8
#100	150μm	75.3	3.4	24.4
#200	75μm	442.1	19.7	4.7
PAN		105.2	4.7	

% passing = 100 − Σ % retained. TOTAL 2246.6

%Δ = 0.5%

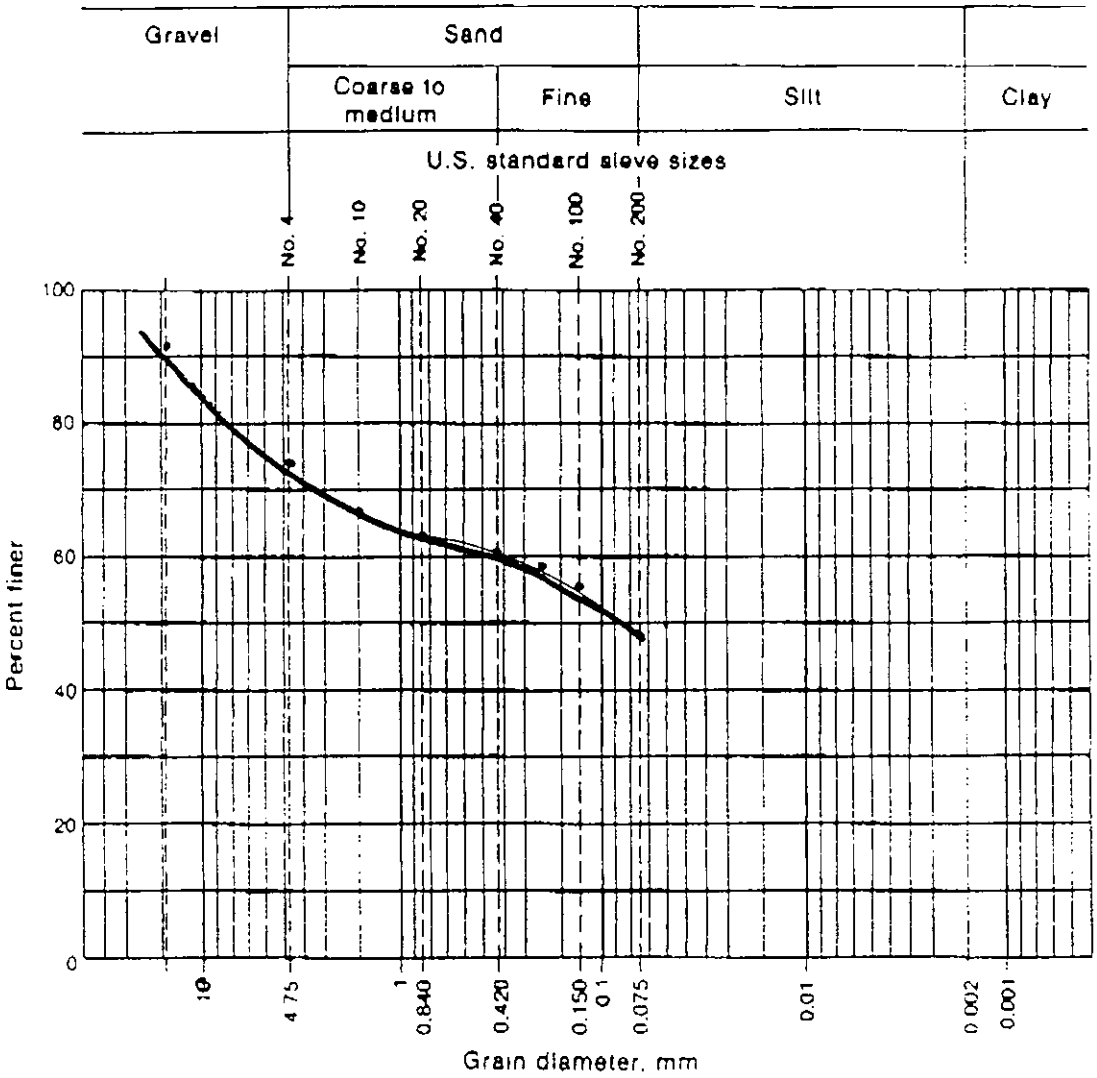
GRAIN SIZE DISTRIBUTION Data Sheet 6

Project Part. River Channelization Job. No. 88-093

Location of Project Wellsville, NY Boring No. — Sample No. 2

Description of Soil Babbit Fill Depth of Sample El. 1498.6

Tested By. FJG Date of Testing 9/24, 10/2 & 10/3/90



Visual soil description Brown Fine Sand & Silt, Clay

Soil classification:

_____ System _____

Canonie

By FJG Date ____ Subject % < # 200 Sieve Data ____ Sheet No. A of ____

Chkd. By ____ Date ____ Partial River Channelization Proj. No. 88-093

1/4" X 1/4"

Sample #	G-1	G-2	G-3 (12)	G-4 (14)	G-5 (16)	G-6 (17)	G-7 (18)
Location	Sta. 16+00 R	Sta 18+00 R	Sta. 19+00 R El. 1502.4	Sta. 19+00. R El. 1502.4	Sta. 10+00 L El. 1496.2	Sta. 13+00 ℄ El. 1494.3	Sta. 11+25 ℄ El. 1497.2
Date	8/21/90	8/25/90	8/31/90	8/31/90	9/5/90	9/5/90	9/11/90
Tare #	(4)	(4)	(2)	(3)	(1)	(4)	(7)
Tare Wt. (g)	88.3	88.3	88.4	90.0	90.5	88.3	13.2
Wet Soil + Tare (g)	500.8	410.3	376.1	363.2	293.8	266.0	255.2
Dry Soil + Tare (g)	412.8	342.3	319.7	308.1	250.9	226.8	201.9
Moisture (%)	27.1	26.8	24.4	25.3	26.8	28.3	28.3
Dry Soil + Tare (g) After Washing	88.4	72.89	100.0	97.0	91.4	90.0	18.9
% < # 200 Sieve (%)	99.97	98.2	95.0	96.8	99.4	98.8	97.0

Canonie

By FJG Date ____ Subject % < # 200 Sieve Data ____ Sheet No. B of ____

Chkd. By ____ Date ____ Proj. No. 88-093 Partial River Channelization

1/4" X 1/4"

Sample #	G-8 (20)	G-9 (21)	G-10 (23)	G-11 (24)	G-12 (25)	G-13			G-14 (28)
Location	Sta. 12+75 Far Left El. 1493.9	Sta. 18+18 ℄	Sta. 20+20 ℄	Sta. 13+30 R	Sta. 14+25 R	Babbit Stockpile Prior To Any Trucking Operations			Sta. 13+25 L
Date	9/11/90	9/17/90	9/17/90	9/17/90	9/17/90	9/17/90			9/21/90
Tare #	(2)	(3)	(1)	(2)	(A)	(6)	(5)	(8)	(E)
Tare Wt. (g)	88.4	90.0	90.5	88.4	87.7	13.4	13.3	13.2	87.8
Wet Soil + Tare (g)	368.9	737.8	835.7	515.1	805.0	795.3	698.0	789.3	718.3
Dry Soil + Tare (g)	311.7	677.0	767.8	431.2	738.6	734.7	638.2	672.8	653.4
Moisture (%)	25.6	10.4	10.0	24.5	10.2	8.4	9.6	10.1	11.5
Dry Soil + Tare (g) After Washing	89.3	390.1	450.8	126.4	446.2	407.2	358.0	355.4	409.5
% < # 200 Sieve (%)	99.6	48.9	46.8	88.9	44.9	45.4	44.8	48.1	43.1
		Babbit Fill	Babbit Fill		Babbit Fill	Babbit Fill (Full Gradation Perf.)			Babbit Fill

CanonieEnvironmental

By EJG Date _____ Subject % < # 200 _____ Sheet No. ____ of ____

Chkd. By ____ Date _____ PARTIAL RIVER CHANNELIZATION Proj. No. 28-093

1/4 X 1/4

Sample #	G-15 (7A)	G-15 (7B)
Location	STA 11+40 L	STA 11+40 L
Date	1/31/90	1/31/90
Tare #	(D)	(E)
Tare Wt. (g)	87.6	87.6
Wet Soil + Tare (g)	406.3	406.3
Dry Soil + Tare (g)	333.9	333.9
Moisture (%)	29.4	29.4
Dry Soil + Tare (g) After Washing	93.7	93.7
% < # 200 Sieve (%)	97.6	97.6

Canonie

By _____ Date _____ Subject Density Test Results _____ Sheet No. _____ of _____

Chkd. By _____ Date _____ Proj. No. 88-093

1/4" X 1/4"

Test No.	(36)	(37)	(38)	(39)	(40)
Location	Sta. 8+50 R Babbit	Sta. 5+90 L Babbit	Sta. 6+75 L Babbit	Sta. 10+25 L Babbit	Sta. 11+75 L Babbit
WD(pcf)	137.5	141.6	140.0	138.8	138.2
Method	N	N	N	N	N
% M	10.2	10.2	10.3	9.8	10.6
Method	O	N	O	O	O
DD(pcf)	124.8	128.5	126.9	126.4	125.0
Date	9/25/90	9/26/90	9/26/90	9/27/90	9/27/90
Time	16:50	17:15	17:27	17:15	17:50
Elev. (Ft.)	1500.6	1501.2	1501.4	1502.0	1502.1
Proctor Value (pcf)	125.5	128.2	126.5	128.2	125.5
Proctor #	TP-4	TP-1	TP-2	TP-1	TP-4
Opt. Moist. (%)	10.5	10.6	10.5	10.6	10.5
% Proctor	99.4	100.2	100.3	98.6	99.6

Note: S=Speedy N=Nuclear T=Tube Density
O=Oven SC=Sand Cone

Canonie

By _____ Date _____ Subject Density Test Results _____ Sheet No. _____ of _____

Chkd. By _____ Date _____ Proj. No. 88-093

1/4" X 1/4"

Test No.	(41)	(42)	(43)	(44)	(45)	(46)
Location	Sta. 2+00 ℄ Babbit	Sta. 3+75 ℄ Babbit	Sta. 0+40 R Babbit	Sta. 18+40 L Babbit	Sta. 0+50 R Babbit	Sta. 1+70 ℄ Babbit
WD(pcf)	146.0	139.1	136.1	140.8	134.5	140.9
Method	SC	SC	N	N	N	N
% M	10.9	11.3	9.4	9.1	9.9	9.1
Method	O	O	N	N	N	N
DD(pcf)	131.7	125.0	124.4	129.1	122.4	129.2
Date	9/28/90	9/28/90	10/1/90	10/1/90	10/2/90	10/2/90
Time	14:10	13:50	15:42	17:30	16:22	17:00
Elev. (Ft.)	1500.6	1500.5	1500.1	1503.9	1503.0	1503.0
Proctor Value (pcf)	127.2	130.5	131.3	130.2	125.5	128.2
Proctor #	TP-1	TP-2	TP-3	TP-1	TP-4	TP-1
Opt. Moist. (%)	10.0	9.0	11.1	10.6	10.3	10.6
% Proctor	100 %	96 %	95 %	99 %	98 %	100 %

Note: S=Speedy N=Nuclear T=Tube Density
O=Oven SC=Sand Cone

Canonie

By _____ Date _____ Subject Density Test Results _____ Sheet No. _____ of _____

Chkd. By _____ Date _____ Proj. No. 88-093

Test No.	(47)	(48)	(49)	(50)	(51)	(52)
Location	Sta. 10+20 R Babbit	Sta. 12+75 R Babbit	Sta 13+30 R Babbit	Sta. 6+25 ℄ Babbit	Sta. 7+25 ℄ Babbit	Sta 8+25 ℄ Babbit
WD(pcf)	140.8	139.0	138.4	139.8	143.6	141.6
Method	N	N	N	N	N	N
% M	9.1	9.2	9.5	10.1	9.8	9.3
Method	N	N	N	N	N	N
DD(pcf)	129.1	127.3	126.4	127.0	130.8	129.6
Date	10/3/90	10/5/90	10/5/90	10/6/90	10/6/90	10/6/90
Time	16:40	17:30	17:45	17:40	17:50	18:00
Elev. (Ft.)	1503.1	1502.8	1502.9	1504.3	1503.9	1504.2
Proctor Value (pcf)	[illegible]	128.2	128.2	127.3	128.2	128.2
Proctor #	TP-1	[illegible]	TP-1	TP-3	TP-1	TP-1
Opt. Moist. (%)	[illegible]	[illegible]	[illegible]	11.1	10.6	10.6
% Proctor	[illegible]	[illegible]	[illegible]	99.8	102.0	101.1

Note: S=Speedy N=Nuclear T=Tube Density
O=Oven SC=Sand Cone

1/4" X 1/4"

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 10-6-90

Non-Use or Mis-Use of PPE None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations Bail Reid backed his loader into a dump truck on 10-3-90 - No injuries - The rear of the dump truck was dented

Job-Related Illness or Injuries

None

Weather Data 10-1-90 - Sunny 40-62°F
10-2-90 - Sunny 40-67°F
10-3-90 - Sunny 35-70°F
10-4-90 - Rain 55-65°F

Air Monitoring Summary

all levels were at normal/background during operations on the west bank this week

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 6 OCT 90

No./Name	Time In/Out	Time In/Out	Remarks 3:33/4:08 4:32/5:44
C-1 D. Dekker	6:29/7:53 8:40/9:42	10:40 10:51	11:04/11:35 12:05/12:11 1:45/1:55
C-2 L. Dekker	6:29 /9:00 10:00/12:11	1:47 5:44	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	7:04 /12:04 12:19/1:55	4:32/4:46	5:00/6:18
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	6:41/7:23	4:01/4:09	
C-11 B. Mckim	6:40/7:11	7:28/12:00	12:15/3:00 3:30/6:25
C-12 C. Mckim	6:37/7:05	/	
C-13 G. Reid	6:35/7:05	/	
C-14 N. Tracy	6:43/7:05	/	
C-15 G. Maichele	6:29/6:46	6:56/12:39	1:03/6:18
C-16 S. Hunt	6:31/6:48	6:56/11:56	12:14/4:05 4:49/5:32 5:55/6:2
C-17 P. Smith	6:43/6:18	/	
C-18 R. EDWARDS	6:40 /10:24	11:52/11:55	12:54/12:45 4:00/4:46 5:00/5:34
C-19 R. BARTEL	6:41/7:23	4:01/4:05	
C-20 T. ALLEN	6:59/10:24	11:52/11:55	12:14/12:45 4:00/5:34
E-1 G. Stiles	6:19/7:14	1:16/1:34	3:03/6:11
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. SWANN	6:56 /8:58	11:42/12:39	1:26/1:34 3:03/4:36
~~E-5~~	4:56 /5:16	5:35/6:30	
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	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 6OCT 90

No./Name NO./LIC#		Time In/Out	Time In/Out	Time In/Out	Time In/Out	Remarks In/Out	In/Out	In/Out
A2	6511	7:06/7:12	7:28/7:34	7:45/7:51	8:06/8:12	8:28/8:35	8:50/8:56	9:12/9:18	9:35/9:41
A3	6512	7:10/7:14	7:31/7:36	7:51/7:56	8:10/8:15	8:30/8:38	8:51/8:56	9:12/9:23	9:36/9:45
A4	5530	7:12/7:17	7:35/7:40	7:55/8:01	8:16/8:23	8:38/8:45	9:00/9:06	9:22/9:28	9:43/9:52
A5	1935	7:17/7:23	7:43/7:48	8:04/8:10	8:26/8:33	8:48/8:54	9:10/9:16	9:34/9:39	9:55/10:01
A6	2288	7:31/7:38	7:53/7:59	8:14/8:19	8:37/8:43	8:59/9:04	9:21/9:26	9:42/9:47	10:03/10:09
A2	6511	9:56/10:04	10:20/10:24	10:40/10:46	10:59/11:02	11:18/11:23	11:38/11:43	11:57/12:07	12:24/12:30
A3	6512	10:01/10:05	10:22/10:26	10:41/10:48	11:02/11:07	11:23/11:29	11:44/11:50	12:06/12:14	12:28/12:34
A4	5530	10:07/10:11	10:26/10:30	10:46/10:52	11:10/11:18	[redacted]			
A5	1935	10:16/10:26	10:41/10:46	11:02/11:07	11:23/11:28	11:44/11:47	12:05/12:11	12:28/12:33	12:51/12:57
A6	2288	10:25/10:32	10:47/10:52	11:06/11:10	11:30/11:36	11:55/12:03	12:15/12:26	12:39/12:47	12:59/1:05
A2	6511	[redacted] 12:46/2:50	1:06/1:12	1:27/1:33	1:48/1:54	2:12/2:19	2:33/2:41	2:57/3:05	3:24/3:30
A3	6512	12:53/12:59	1:17/1:23	1:33/1:40	1:56/2:00	2:16/2:20	2:36/2:43	3:01/3:07	3:25/3:31
A5	1935	1:18/1:25	1:40/1:48	2:03/2:08	2:25/2:31	2:47/2:53	3:08/3:14	3:31/3:38	3:57/4:02
A6	2288	1:22/1:29	1:44/1:52	2:08/2:15	2:31/2:38	2:55/3:00	3:16/3:23	3:39/3:45	4:01/4:08
A4	8885	1:20/1:27	1:44/1:48	2:07/2:14	2:31/2:36	2:54/3:02	3:15/3:22	3:36/3:42	3:58/4:05
A2	6511	3:42/3:48	4:03/4:11	4:28/4:34	4:51/4:55	5:12/5:20	5:35/5:43		
A3	6512	3:44/3:56	4:10/4:15	4:29/4:35	4:51/4:57	5:12/5:20			
A5	1935	4:18/4:23	4:40/4:47	5:04/5:16					
A6	2288	4:23/4:30	4:46/4:52	5:07/5:16	5:30/5:38				
A4	8885	4:23/4:28	4:45/4:50	5:06/5:16					

A-2 PERRY BAKER TRUCKING
A-3 PERKINS "
A-4 [redacted] " CHECKED OUT AT 11:15 TRUCK TROUBLE
A-5 LAYTON "
A-6 [redacted] BAKER "
A4 BOYD GREEN SR GREEN TKG OPERATING DIFFERENT VEHICLE.

27
x 5
135 137 LOADS.

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 6 OCT 90

No./Name		Time In/Out	Time In/Out	Remarks
NORM	UNGERMAN.A-1	6:46/2:10		UNGERMAN TRUCKING
RICK	SCOTT	10:00/10:30		SHORTS OIL
BOYD	GREEN	10:33/11:42		GRAVEL/STONE
BOB	UNGERMAN	1:31/1:38		STONE

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 5, 1990

Arrived at 6:20 a.m. (it rained last night .60")
Plan of Day:

* Work rip rap slope protection W/B.
* Work toe trench construction E/B.
* If it drys out we will place clay.

Allen gave me the information that I asked for on the East bank and I sent it to Vanu, he is to call me with the decision.

Rowland called, they were trying to place an order for Geomenbrane - 90'X96'. They were told by Allen Mann to have it shop welded, it would weigh over 2,000 lbs. I told him that I had no way of handling this in the field, so don't order it fabricated, have it field welded by a vender rep. If Allen has a problem with this then have him call me.

Rocco Gambuti called, he is trying to issue the remaining P.O. and contracts. I told him to send me copies of all paper work.

Joe Drumm of Geo Systems - (703)-430-5444 called, he will send information required for start. He wanted to know when I wanted him on site? I told him Oct. 11, 1990, he said he didn't know if he could get his equipment or wick drain material before the 15th, I told him to try. I also told him that Otis/Eastern had a Cat 235 and EL300 that he has just returned to his yard.

Returned John Boes call he wasn't in, so I talked with Mark K. he doesn't think that he can be here before the 15th either, will see if he can do better.

Talked with Dave Dekker about his Personnel Hygiene trailer. I told him to give me a price for turning it over to us, we would pick up the lease and allow his people to use it when they needed to. He is aggreable to that and will give me a price.

Mark K. called back, they won't let him man the job until they have signed a contract. I will follow up on Mon.

Haven't heard from Vanu on E/B coordinates, tryed to call him back at 4:45 p.m., however no answer.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 5, 1990

Arrived at 7:00 a.m.
Plan of Day:

* Continue rip rap on West side.
* Start clay at noon due to wet conditons in morning (0.25 inches overnight rainfall).
* Complete fine grade of toe trench in one area on East side and install filter fabric and bedding stone.

Field Observations and Activities:

* Third backhoe continued bedding stone/rip rap placement on West side.
* Fine graded toe trench and installed filter fabric and bedding stone between stations 10+50 and 12+00. Stapling of overlapped joints with staple gun has proven to be best for laying fabric underwater. Better continuity and quality control is result.
* Haul roads on East side are very wet and virtually impassable for wheeled vehicles.
* Placed, spread and compacted Dike fill from Babbit Pit in P.M. Fill is within 2 feet of top in most areas.

Left site at 7:20 p.m.

RECEIVED
OCT 0 9 1990
EBASCO / ARCO

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

DATE: 10-5-90 DAY: FRIDAY HRS.WRK. 10 REPORT NO. 94

WEATHER INFORMATION:

TEMPERATURE: High 76 Low 47 WIND: Mph. - Dir. -

PRECIPITATION: RAIN (PREV. NIGHT) HUMIDITY: High RIVER EL: AM 06.15 PM 04.95

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. UNGERMAN EXC. BACKHOE
	"		SUPV. 1 EMPS.
	USCOE/EPA	1	SUB. APP SURVEYORS
	"		SUPV. 1 EMPS. 2
	VISITORS	See Security log	

MANUAL CANONIE GEN. Labor 2 Equip. Oper. 7
Truck Drivers Others (1) UNGERMAN EXC. OPER. FOR BACKHOE

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	4			
" 12G	6			
(Sheep) Compactor	6			
(Smooth) "	4			
Canonie Wtr. Trk		OFFSITE FOR REPAIRS		
Hertz Wtr. Trk	4			
(E. Bank) Cat 235	10			
Chipper		STAND-BY		
Generator / Steam Genny		STAND-BY		
1/2 ton pickup	10			
Mechanic Trucks & Tools	11			
V... Dozer	8			

MEETINGS:

PLAN OF DAY W. BANK CONTINUE PULLING UP GT & PLACING BEDDING; ALSO CONTINUE W/ RIPRAP PLACEMENT; NORM UNGERMAN WILL DO THIS WORK; BABBIT FILL CAN BE PLACED WHERE LEFT OFF & CONTINUE SOUTH E. BANK CONTINUE W/ INSTALLATION OF GT, BEDDING & RIPRAP NORTH FROM STA. 12+00

SAFETY GOOD CONSTRUCTION PRACTICES

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK GRADED OFF AREAS MADE WET BY PREVIOUS NIGHT'S RAINS; STARTED PLACING BABBIT FILL IN AFTERNOON FROM 12+50 TO 15+00

(404 CONSTRUCT EST BANK)

EAST BANK PLACED GT & BEDDING FROM STA. 12+00 NORTHWARDS TO STA. 10+30; AG RINGS USED TO LINK SHEETS OF GT

(103 (CONSTR. BANK TOE RENCH))

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 (@ 66.66)	CY	498.0
CONTNTD	CY		GEOTEXTILE FAB	SY	1567.2
EXCAVATION			BEDDING MATRL	CY	93.8
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	W.Bank: 66.9
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	154.8	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	6000 12 rolls
COMMON FILL	CY		BEDDING MATRL.	TONS ~~CY~~	140.75
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL (Backfill)	CY	498.0	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			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				

Exchanged Security Fireproof File cabinet For Similar

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Toe Staking 9+00 - 3+00 E. Bank
- Keep Grade on toe trench Excavation

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	12+50 To 5+00	A-5	Dike Fill		X	
	2	Sta. 3+00-2+00	A-6	GT		X	
	3	3+00 To 2+00	A-7	Bedding		X	
	4	3+00 To 2+50	A-8	Riprap		X	
E. Bank	5	12+00 To 10+30	A-6	GT		X	
	6	12+00 To 10+30	A-7	Bedding		X	
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Required Testing of Pike Fill was completed for 10-4 placement and 10-5 placement

TECHNICAL CONCERNS/PROBLEMS:

[redacted] & SAFETY 10-5-90

[redacted]CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 3, 1	80, 15, 8
"C"		
"B"		
OTHER		

[redacted] MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0928	4+50	HNu	Real Time	0.5 ppm
2	0928	4+50	minuram	RT	0.00 mg/m³
3	0929	4+50	CGI	RT	21.2% O₂, 0% LEL
4	1704	3+00	HNu	RT	0.5 ppm
5	1705	3+00	minuram	RT	0.0 mg/m³
6	1706	3+00	CGI	RT	20.8% O₂, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

[redacted]pections	Time	Location	No. emps./equip.	PPE level	Violation
1	0920	N of CELA	2/Trackhoe, loader	D	None
2	1500	East Bank	7/2 trackhoes, dozer, grader, loader	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — Out: —

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	1605	East bank	P. Porter, C. McKim	None	
2					

Accident/Breeches Report: Pete Porter and Clint McKim were riding on the outside of a moving trackhoe

SECURITY ACTIVITIES:

Attach Gate log & Security report

5 OCT 90

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:

Following Pers still onboard a 6:15 PM

E-1, E-3, E4

C-1, C-2, C-3, ~~C-4~~ C-6, C-15

No incidents

Allan L Ft

FILL MATERIAL ABOVE WATER SURFACE

SHEET ____ OF ____

INSPECTION D. .E 10/5/90

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.	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: None Required

5. FILL LOCATION DIKE STATION 12+50 TO 15+00 W. Bank

6. REMARKS ____

INSPECTOR Frank Gontowski DATE 10/5/90

REVIEWED BY AAA DATE 10.9

GEOTEXTILE

FORM 5
SHEET ____ OF ____
INSPECTION DATE 10/5/90

	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 2+00 / 10+30 TO 3+00 / 12+00 WEST BANK / EAST BANK

5. REMARKS

- WEST BANK GT WAS UNROLLED UP FINISHED SLOPES AS NEEDED
- EAST BANK GT SHEETS WERE CONNECTED TO ONE ANOTHER & USED IN TOE TRENCH

INSPECTOR FRANK CONTOVSKI / PETE PORTER DATE 10/5/90

REVIEWED BY [illegible] DATE 10/9

FORM A-7
SHEET ____ OF ____

BEDDING

INSPECTION DATE 10/5/90

	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: None Required

4. BEDDING LOCATION

DIKE STATION 2+00 TO 0+00 (W. Bank)

5. REMARKS

INSPECTOR Frank Gontowski DATE 10/5/90

REVIEWED BY N/A DATE 10.9

RIP RAP

SHEET __ OF __
INSPECTION DATE 10/5/90

	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: None Required

4. RIPRAP LOCATION

DIKE STATION __ 2+50 TO 2+25

5. REMARKS Riprap Placed @ Upper Portion Of Slope Following Final Grading Of This Section Of Slope

INSPECTOR Frank Gontowski DATE 10/5/90

REVIEWED BY [illegible] DATE 10.9

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-5-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

no levels above background/normal were found on the HNu, CGI, miniram during operations on the west bank today

Personnel Sampling

none

Name	Date	IWA

Calibration Method for Equipment

- HNu = 11 ppm Isobutylene
CGI = 15% O_2, 50% LEL
miniram = 7-day for Zeroing

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-5-90

Work Areas Checked: N. of CELA
East bank

Employees Present in Work Areas: R. Tracy, B. Reid, G. Micheli, P. Smith, B. Mechin, C. Mechin, S. Stout, J. Allen, K. Edwards, D. Dekker, P. Porter, SC. Ettinger

Equipment Being Utilized: 2 trackhoes, 2 dozers, Grader, 2 loaders, Compactor, Roller

PPE Being Utilized: Level D

Accidents/Breeches of Procedures: Pete Porter and Chirt Mechin were riding on the outside of a moving trackhoe

[redacted] Activities; Same as AM + clay hauling to 12+00 area

Time: 0426, Temp ≥ 60°F, NW wind, Sunny
Time: 1703, Temp ≥ 70°F, NW wind, Sunny

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
9/5/90 - 0427	4+50	HNu	PI101	Cal = 111 ppm Isobutylene Bg = 0.5 ppm	0.5 ppm	Real Time
9/5/90 - 0428	4+50	Miniram	PDM-3	Zero for Glenn	0.00 mg/m³	R.T.
9/5/90 - 0429	4+50	CGI	261	15% O₂, 50% LEL	21.2% O₂, 0% LEL	R.T.
9/5/90 - 1704	3+00	HNu	PI101	Same	0.5 ppm	R.T.
9/5/90 - 1705	3+00	Miniram	PDM-3	Same	00.0 mg/m³	R.T.
9/5/90 - 1706	3+00	CGI	261	Same	20.8% O₂, 0% LEL	R.T.

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 5 OCT 90

No./Name	Time In/Out	Time In/Out	Remarks IN/OUT
C-1 D. Dekker	6:50 / 8:39 9:30 / 11:54	12:37 / 12:41	4:45 /
C-2 L. Dekker	6:50 / 11:54	12:57 /	
C-3 P. Porter	6:50 / 12:11 12:32 / 12:58	1:14 / 2:30	5:40
C-4 A. Muellerleile	7:35 /	/	
C-5 C. Ettinger	6:54 / 7:56 8:43 / 9:47	10:54 / 11:45 11:59 / 12:29 12:32 / 1:40	4:50/5:14
C-6 F. Gontowski	7:01 / 8:37 9:31 / 12:14	[redacted] / 12:59	4:20/4:32 4:56/
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:56 / 7:52	5:18 / 5:33	
C-10 C. Carrow	6:56 / 7:52	5:18 / 5:33	
C-11 B. Mckim	6:37 / 7:04 7:29 / 7:53	8:29 / 8:38 10:31 / 11:00 11:42 / 6:00	
C-12 C. Mckim	6:37 / 7:04	5:55 / 6:00	
C-13 G. Reid	6:40 / 7:04	/	
C-14 N. Tracy	6:47 / 7:03	/	
C-15 G. Maichele	6:38 / 6:31 6:50 / 7:06	11:47 / 11:53 12:06 /	
C-16 S. Hunt	6:25 / 6:34 6:50 / 7:12	7:45 / 11:56 12:13 / 5:21	5:54/6:00
C-17 P. Smith	6:40 / 7:04	/	
C-18 R. Edwards	6:49 / 7:19 11:58 / 12:05	12:29 / 12:32 12:36 / 12:37	5:40/5:53
C-19 R. Bartels	6:56 / 7:52 [redacted]	5:18 / 5:33	
C-20 T. Allen	6:56 / 7:19 11:53 / 12:02	12:29 / 12:32 12:36 / 12:37	
E-1 G. Stiles	6:37 / 11:29 12:11	2:40 3:39 [redacted]	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:48 / 12:49	1:10 /	
E-4 L. Swann	6:56 / 8:43 11:00 / 12:02	1:10 / 4:39	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:39 / 12:11	12:41 / 1:30	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	1:18 / 1:18	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	6:00 / 12:00	/	
S-5 A. Fox	1:56 / 6:15	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 5 Oct 90

No. / Name	Time In/Out	Time In/Out	Remarks
A1 LM5537	12:35/12:41	1:07/1:18	1:28/1:34	1:50/1:56	2:14/2:20	2:37/2:42	3:01/3:08	3:26/3:31
A-2 N9651	1:29/1:36	1:57/1:59	2:14:220	2:38/2:42	2:51/3:01	3:12/3:19	3:35/3:40	3:57/4:03
A-4 N9651 2	12:41/12:53	1:09/1:15	1:31/1:37	1:53/1:59	2:15/2:21	3:02/3:09	3:26/3:31	3:48/3:55
A-5 LT 1935	1:29/1:36	1:49/1:55	2:10/2:15	2:32/2:38	2:57/3:04	3:21/3:27	3:44/3:48	4:06/4:12
A1 5533	3:49/3:54	4:11/4:15	4:31/4:36	4:54/4:59	5:16/5:25			
A2 6511	4:19/4:24	4:43/4:50	5:04/5:09	5:28/5:33				
A4 6512	4:12/4:16	4:35/4:42	4:56/5:02	5:19/5:25				
A5 1935	4:31/4:36	4:53/4:58	5:15/5:25					

A-1 Dale Baker Giant Stomper Bakers
A-2 Rick Barry T-8 "
A-4 John Perkins T-9 "
A-5 Russ Layton Red Giant "

[redacted]

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 5 OCT 90

No./Name	Time In/Out	Time In/Out	Remarks
Norma Ungerman A-2	8:25/5:32		running Excavator
Ashtabula Office Eqm.	9:26/4:51		2 BR Legal 25" Deep Wack Fire Water
UPS	10:28/10:30		1pc. delivery
Freidmans express inc.	12:24/12:24		1/2 Rolls
Task To Down Delivery	1:07/1:08		1pc delivery
Charlie Baldwin	1:10/1:10		to see P. Porter
Mr. Reid	1:45/1:48		
Mrs. C. Mckim	1:45/1:48		
SCOTT R	2:00/2:27		FUEL TRUCKS
FEDERAL EX	2:00/2:10		P/U + RETURN
TOM GOWAN	2:00/		BEAM CLEANING
ROB SMITH	2:40/2:50		HARRIS SUPPLY DELV FOR EBASCO
PERRY	3:48/3:54		2 & 3's HAULIN ALEREX/ATLAS
BOYD GREEN, JR	4:06/4:08		GREEN TRUCKING
WALT BABBET	5:08/5:25		VISIT D. DEKKER

PROJECT ENTRY PERMIT

DATE: 10/5/90 TIME IN: ~ TIME OUT: 7:00 PM

NAME: Dave Dekker

COMPANY: Canonie

BADGE No: C1

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

PROJECT ENTRY PERMIT

DATE: 10/5/90 TIME IN: ~ TIME OUT: 7:00

NAME: Canonie

COMPANY: Lavonne Dekker

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 10/5/90 TIME IN: ~ TIME OUT: 7:00

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: 10/5/90 TIME IN: ~ TIME OUT: 6:30

NAME: FRANK CONTOWSKI

COMPANY: CANONIE

BADGE No: C-6

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

PROJECT ENTRY PERMIT

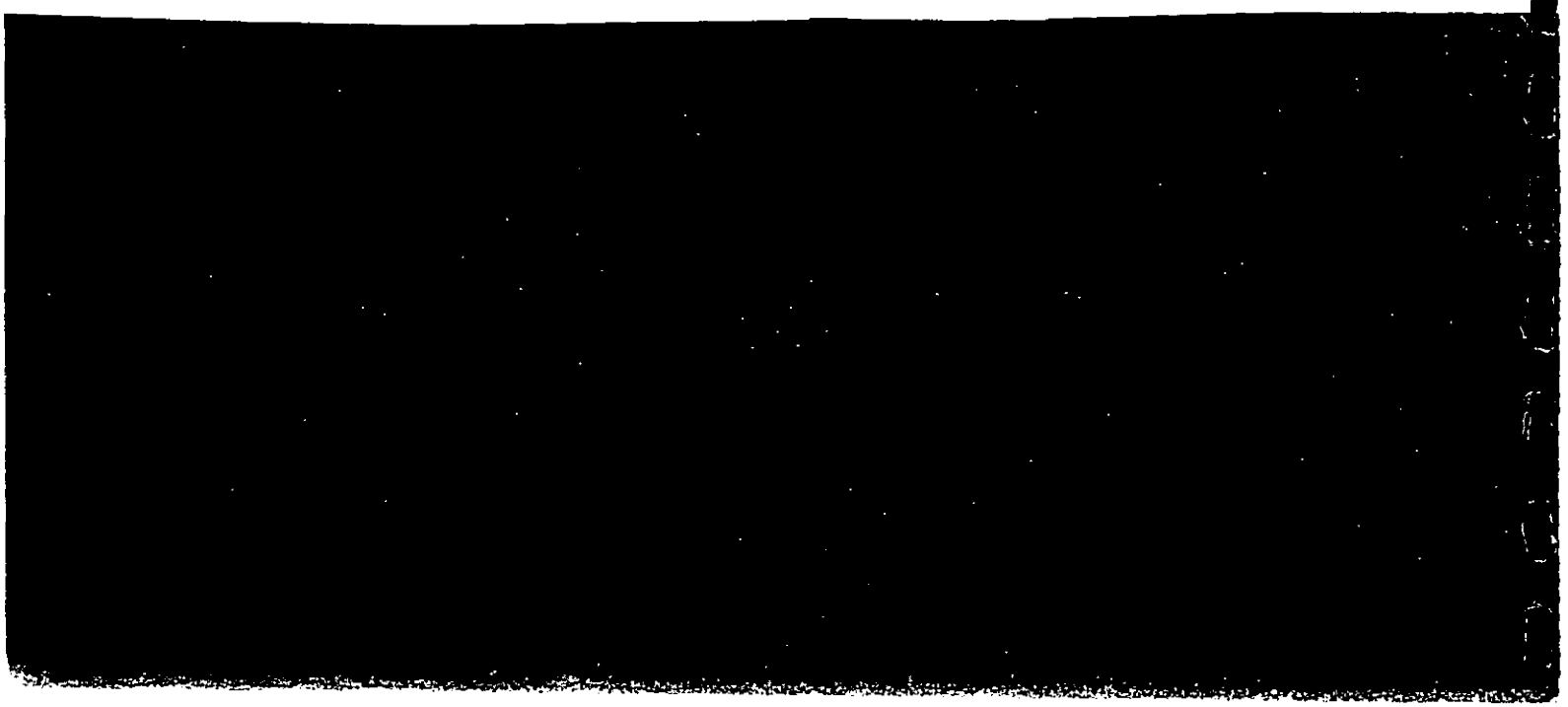
DATE: 10/5/90 TIME IN: ~ TIME OUT: 6:30

NAME: GRANT MAICHELE

COMPANY: CANONIE

BADGE No: C-15

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



ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 4, 1990

Arrived at 6:15 a.m.
Plan of Day:

* Will hold on clay until weather breaks.
* Work rip rap W/B.
* Work toe trench E/B.
* Continue common fill.

Discussed problem with bank / cut and power pole with Dave and Geo., they will be working on toe trench cut - so I will get something for them today.

Weekly meeting - see meeting minutes.

Mike Turco came at 10:20 a.m.

Asked Allen M. to give me the location coordinates that was used at PI4 and south end of NY dike, he will also give me the location of the power pole per the coordinates that we are using.

I layed out the SLA, T/F and dike ext. sch. to Dave and Allen M., Dave hopes he can start his part at an earlier date, I told him that I think it is possible but at this time I don't see it.

It started raining at 9:45 a.m. - heavy rain and wind, shut down clay haul - stopped raining at 2:30 p.m.

Tom called at 6:15 p.m. change of slope has been signed - go with letters of intent.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 4, 1990

Arrived at 7:50 a.m.
Plan of Day:

* Hold off clay placement until frontal weather condtion clears.
* Continue toe trench excavation on East side using 2 backhoes.
* Continue rip rap on West side slopes.

Field Observations and Activities:

* Started clay placements at start of shift but suspended same after one hour due to rain. (0.6 inches for the day).
* Backhoes excavating toe trench on East side - 1 rough cutting, 1 fine grading - O.X. required to allow backhoe to reach far side of trench. Dave Dekker acknowledged that the O.X. was for his convenience and backfill would be at his cost. Same for haul road which is working itself below grade as a result of mud removal. Dave Dekker informed all O.X. on East side is Canonies (no O.X. on East side is authorized).
* Third backhoe (rented from Ungerman) is working rip rap on West side.
* Trucks hauling toe trench material on East side shut down due to wet conditions.

Left site at 4:30 p.m.

RECEIVED
OCT 0 8 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 10/4/90 DAY: THURS. HRS.WRK. 10 REPORT NO. 93

WEATHER INFORMATION:

TEMPERATURE: High 78 Low 41 WIND: Mph. - Dir. -

PRECIPITATION: 0.65" HUMIDITY: Low RIVER EL: AM 4.59 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 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.	1	"
OTHERS			CANONIE SUB. Ungerman Dump Trucks
"			SUPV. EMPS. 2
USCOE/EPA		1	SUB. App Surveying
"			SUPV. 1 EMPS. 1
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor 2 Equip. Oper. 7

Truck Drivers (Ungerman Dumps) 2 Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	5			
" 12G	4			
(Sheep) Compactor	4			
(Smooth) "	2			
Canonie Wtr. Trk		OFFSITE FOR REPAIRS		
Hertz Wtr. Trk	2			
(E. Bank) Cat 235	10			
Chipper		STANDBY		
Generator / Steam Genny		STAND-BY		
½ ton pickup	10			
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY W. Bank Continue Placing Riprap Where Needed @ North End Of Dike; Clay Will Be Stripped Until Rains Begin; Start Adding Splice Pieces Of GT Where Needed @ North End; E. Bank Get Surveyors To Continue Northward; Continue Exc. Of Toe Trench & Begin Installation Of GT & Bedding & Riprap

SAFETY Loader (CAT 963) Bumped Into The Rear Of A Dump Truck While Reversing; Reminded Operators To Look Behind Them When Reversing; Otherwise, Good Safety Practices

SCHEDULED Weekly Meeting (Draft Minutes Due)

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #604 (Construct West Bank Dike)
#605 (Place West Bank Riprap Protection)
#608 (Construct West Bank Toe Trench)

EAST BANK #703 (Construct East Bank Toe Trench)

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(Backfill)	CY	246
CONTNTD	CY		GEOTEXTILE FAB	SY	433.3
EXCAVATION			BEDDING MATRL	CY	70.4
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E. Bank: 89.2 W. Bank: 66.9
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	273.8	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	TONS CY	105.64
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	270.91
CLAY FILL(Backfill)	CY	246	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 Toes 13+50 - 16+00

East Bank : Follow Excavation and verify correct grade

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	13+00 To 14+00	A-5	Rabbit Fill		X	
	2						
	3	3+00 To 5+75	A-7	Bedding		X	
	4	5+75 To 3+60	A-8	Riprap		X	
E. Bank	5	12+00 To 12+50	A-6	GT		X	
	6	12+00 To 12+50	A-7	Bedding		X	
	7	12+00 To 12+50	A-8	Riprap		X	
	8						
	9						
	10						

COMMENTS No Density Tests Performed On Dike Fill ; Heavy Rains Early In Day & Only 24" Placed ; Will Perform Test In Fill Area Tomorrow

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

LTH & SAFETY 10-4-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1, 1, 1	80, 4, 3, 5, 2
"C"		
"B"		
OTHER		

AIR MONITORING:

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

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0930	East Bank	7/trackhoe, loader, dozer	- D -	None
2	1505	East Bank	7/trackhoe, loader, dozer	- D -	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — 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:

DESCRIPTION 4 OCT 90

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 Reportable incidents for 4 oct 90

C-3, C-4 C-6 & E 1 still onboard at 6:30PM

Allan L. Fry

Daily Progress Report

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

Sheet 2

BY: FRANK GONTOWSKI	CLIENT:	DATE: 10/4/90
CLIENT: SINCLAIR REFINERY PROJECT	PE/PS	
JOB NO: 88-093	LOCATION OF WORK: WELLSVILLE, NY	

W. BANK

ACTIVITY: #604 (CONSTRUCT WEST BANK DIKE)

- PLACED MATERIAL FROM APPROX. STA. 13+00 TO 14+00
- OPERATION HALTED @ ~9:00 AM DUE TO RAIN

#605 (PLACE WEST BANK RIPRAP PROTECTION)

- PLACED BEDDING AS NEEDED ALONG UPPER PORTION OF SLOPES FROM APPROX. STA. 3+00 TO 5+75
- RIPRAP WAS PLACED WHERE NEEDED ALONG SLOPES W/ KOMATSU PC200

#608 (CONSTRUCT WEST BANK TOE TRENCH)

- KOMATSU PC200 WORKED ON TOE TRENCH AREAS ABOVE WATER, NORTH OF STA. 11+00
- PC200 WORKED ON REGRADING RIPRAP SURFACE OF TOE TRENCH TO MEET CONTRACT DOCUMENT REQUIREMENTS

EAST BANK

#703 (CONSTRUCT EAST BANK TOE TRENCH)

- CONTINUED W/ EXCAVATION OF TOE TRENCH TO STA. 10+80
- PLACED GT, BEDDING STONE & RIPRAP FROM APPROX. STA. 12+50 TO STA. 12+00
- SHAPED & WIDENED SLOPES OF TOE TRENCH EXCAVATION FROM STA. 12+50 TO 14+00 TO CONFORM W/ CONTRACT DRAWINGS
- USED PIC RINGS TO FASTEN GT SHEETS TOGETHER AS PLACEMENT PROGRESSES

Equipment Arrival:

Hydroseeder

941

(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

SHEET ___ OF ___
INSPECTION D. E 10/4/90

	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 13+00 TO 14+06

6. REMARKS DENSITY TEST WILL BE TAKEN TOMORROW DUE TO RAIN

INSPECTOR FRANK GONTOWSKI DATE 10/4/90

REVIEWED BY [signature] DATE 10.9

GEOTEXTILE

FORM 6
SHEET ____ OF ____
INSPECTION DATE 10/4/90

	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 12+00 TO 12+50 (E. BANK)

5. REMARKS _____

INSPECTOR FRANK GONTOWSKI DATE 10/4/90

REVIEWED BY [signature] DATE 10.9

FORM -7
SHEET ___ OF ___

BEDDING

INSPECTION DATE 10/4/90

	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: None Required

4. BEDDING LOCATION

DIKE STATION 3+00 TO 5+75 (W. BANK)
12+00 12+50 (E. BANK)

5. REMARKS

INSPECTOR Frank Gontowski / Pete Porter DATE 10/4/90

REVIEWED BY [signature] DATE 10/9

RIP RAP

SHEET ___ OF ___
INSPECTION DATE 10/4/90

	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: None Required

4. RIPRAP LOCATION

DIKE STATION 3+60 / 12+00 TO 5+25 / 12+50 (W. Bank / E. Bank)

5. REMARKS

INSPECTOR Frank Gontowski / Pete Porter DATE 10/4/90

REVIEWED BY MA DATE 10.9

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-4-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

No air monitoring today - rain

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

N/A

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-4-90

Work Areas Checked: East bank

Employees Present in Work Areas: Gail Reid, Grant maidele, Norm Tracy, Phil Smith, Scott Hunt, Bob mahin, Clint Mahin, Pete Porter, Dave Dekker, Frank Dantowski, Allen mulerlile, Hunt Ettinger

Equipment Being Utilized: 2 trackhoes, dozer, loader.

PPE Being Utilized: Level D

Accidents/Breeches of Procedures: None

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 4OCT 90

No./Name	Time In/Out	IN/OUT	Time In/Out	Remarks IN/OUT	IN/OUT	IN/OUT
C-1 D. Dekker	6:44 / 7:31	9:31/11:06	11:24 / 12:10	1:09/1:35	2:45/2:20	4:10/5:54
C-2 L. Dekker	6:41 / 12:10	1:09/5:54	/			
C-3 P. Porter	6:46 / 8:52	11:00/12:48	1:34 / 2:00	4:56		
C-4 A. Muellerleile	7:18 / 8:55	9:02/10:51	11:03/12:17	12:25/12:48	1:50/2:09	3:30/
C-5 C. Ettinger	6:57 / 8:23	11:50/11:55	12:08/12:50	1:45/2:15	4:39/5:30	
C-6 F. Gontowski	6:52 / 9:17	9:27/9:47	11:43/11:48	12:11/12:17	12:25/2:23	6:08/
C-7 C. Chang	/		/			
C-8 J. App	/		/			
C-9 G. Lazusky	6:51 / 7:55	9:13/9:18	5:39/5:43			
C-10 C. Carrow	6:51 / 7:55	9:13/9:18	5:39/5:43			
C-11 B. Mckim	6:39 / 9:19	11:35/11:43	3:44 / 3:50	5:29/5:31		
C-12 C. Mckim	6:36 / 5:29	5:32/	/			
C-13 G. Reid	6:39 / 7:08		/			
C-14 N. Tracy	6:46 / 7:08		/			
C-15 G. Maichele	6:28 / 6:37	7:04/9:14	5:48/5:57			
C-16 S. Hunt	6:31 / 6:37	7:04/10:00	10:29/10:25	10:54/12:01	12:18/1:29	1:51/2:20 5:31/6:02
C-17 P. Smith	6:53 / 7:08		/			
C-18 R. EDWARDS	6:53 / 8:23	9:02/9:14	11:58/11:59	12:31/12:37	5:40/5:48	
C-19 R. BARTELS	/		/			
C-20 T. ALLEN	6:59 / 8:23	9:02/9:15	11:58/11:59	10:34/12:39	3:45/3:53	
E-1 G. Stiles	6:24 / 9:17	10:30/12:08	12:58/1:15	[redacted]		
E-2 T. Granger	8:12 / 11:50	2:20/4:10	/			
E-3 S. Stiles	6:24 / 4:42		/			
E-4 C. SWAN	6:55 / 8:11	8:59/9:10	11:15/11:44	12:00/1:12	3:43/3:52	4:34/4:36
E-5	/		/			
A-1 M. TURCO	10:09 / 11:50		2:20/3:59			
A-2	/		/			
A-4	/		/			
C/E-1 D. Stubbs	4:15 / 11:30		/			
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	6:00 / 12:00		/			
S-5 A. Fox	2:00 / 6:30		/			
S-6	/		/			

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 4 OCT 90

No./Name NR#	LIC #	Time In/Out IN/OUT		Time In/Out IN/OUT		Time In/Out IN/OUT		Remarks IN/OUT	IN/OUT	IN/OUT
A-1	NY6572	7:13	7:19	7:35/7:40	7:56/8:01	8:17/8:22	8:39/8:43			
A-2	LP5530	7:17	7:21	7:38/7:43	7:59/8:04	8:21/8:27	[redacted]			
A-3	NY6511	7:15	7:22	7:40/7:46	8:01/8:11	8:25/8:33	8:43/8:57			
A-4	CT1935	7:19/7:31		7:48/7:58	8:14/8:19	8:36/8:41	8:56/9:06			
A-5	LP2280	7:18/7:25		7:44/7:53	8:09/8:14	8:31/8:38	8:55/9:04			
A-6		8:37/8:41		10:58/11:12	2:54/3:05					
A-7	64	12:22/12:31		4:06/4:16						
A-8	65	12:53/1:05		4:42/4:45						
A-9	63	1:09/1:18		5:10/5:20						
A-10	66	1:09/1:15		5:10/5:20						

A-1 John Perkins T-9 Beckers
A-2 Dale Baker Grant Stamper's " 12:21/12:22 Iron in tag
A-3 Rich Barry T-9 "
A-4 Russ Layton Red Giant "
A-5 Boyd Green Sr. T-10 "
A-6 Boyd Green Jr. Air Paper Fifred Atlas
A-7 Charles Frank General crushed Stone
A-8 Ron Saulsam "
A-9 Ray Charland 6 "
A-10 Jim Colnes "

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 4 OCT 90

No./Name	Time In/Out	Time In/Out	Remarks
American Transportin	6:00/7:32		delivers Hydra Seeder
Charlie Baker	6:45/7:05		to see D. DEKKER and G. Stiles
Tim Vogel	8:28/8:34		greasing the escalator
ups	10:13/10:14		2pc. delivery
Chris Hurley	10:28/12:50		Sherts Oil Co.
CHARLIE BAKER	3:35/3:38		SEE FRANK/PETE
FEDERAL EX	3:35/3:40		PICK UP
UPS	3:50/3:55		" "
BRIAN MORRISON	4:28/4:36		HAIZLES SUPPLY GARY STILES

PROJECT ENTRY PERMIT

DATE: 10/4/90 TIME IN: ~ TIME OUT: 7:00

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: 10/4/90 TIME IN: ~ TIME OUT: 7:00

NAME: Alan Muellerleile

COMPANY: Canonie

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 10/4/90 TIME IN: ~ TIME OUT: 7:35

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
OCTOBER 3, 1990

Arrived at 6:40 a.m.
Plan of Day:

* Place clay.
* Work rip rap W/B and E/B.
* Continue common fill.
* Complete fence.

Discuss toe trench work with Dave, he needs to reduce the water flow through excavation - this is eroding the slopes, carrying sediment down river and causing problems with placing geotextile, bedding and rip rap. Cal suggested he place rip rap across bermed area at 100 foot intervals. Dave said that is what they plan to do this morning. If this doesn't help we may have to look at another approach.

I told Dave that he needs to police his rip rap material control as it is getting in the dike fill and I can't buy the quality or approve quantity overruns for their carelessness.

John Boes OHM called - the office on his O.S. and A/P is to reflect the opption to screen soils and reduce asbestos waste, he asked about SLA -T/F award, I told him that Tom Granger and I will be discussing that today.

Nelson Blackman the picture taker and his helper arrived at 10:45 a.m., he wasn't clear as to what kind of shots they wanted, so he decided to wait for Tom Granger.

Tom arrived at 12:20 p.m., toured the project and was briefed on the activities.

Rowland called about submittal for Hydro Mulch. I told him it was excepted by application and the bottom line is the requirement for establishing growth, he should make sure that he references that on approval letters.

Told Frank G. about rip rap in dike fill area, he needs to clean it up. He was aware of it but had taken no action.

Told Frank G. that NY Dike and fill area needs watering, he will look at this.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
October 3, 1990

Arrived at 7:00 a.m.
Plan of Day:

* Haul and place dike fill from Babbitt pit.
* Extend filter fabric and place bedding stone and rip rap.
* Complete rip rap placement on banks of creek.
* Complete chipping on east side.

Field Observations and Activities:

* Placed and compacted gravelly clay fill from Babbitt pit (worked till 6:30 p.m.)
* Third backhoe from Ungerman fine graded slope between sta. 0+00 and ± sta. 8. Laborers rolled out filter fabric to top of slope. Backhoe placed four (4) inches of bedding stone on top of filter fabric and eighteen (18) inches of rip rap on top of bedding stone.
* First backhoe placed and finished rip rapping slopes at creek outlet on east bank.
* Second backhoe rough cut toe trench on east bank. Two Ungerman trucks hauling excavated material to common fill area. Received bedding stone and rip rap.

Left site at 7:00 p.m.

RECEIVED
OCT 0 9 1990
EBASCO / ARCO

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

DATE: 10/3/90 DAY: Wed. HRS.WRK. 11 REPORT NO. 92

WEATHER INFORMATION:

TEMPERATURE: High 81 Low 35 WIND: Mph. - Dir. -

PRECIPITATION: T HUMIDITY: n.d. RIVER EL: AM 463 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 1	
	P.M. 1	H&SO 1	
	HOP	P.M.	
	"	P.SEC 1	
	"	HOP	
ARCO	P.M.	"	
OTHERS		CANONIE SUB. UNGERMAN EXC. DUMP TRUCK	
"		SUPV. EMPS. #2	
USCOE/EPA 1		SUB.	
"		SUPV. EMPS.	

VISITORS PHOTOGRAPHY CREW FOR EBASCO CONSISTING OF (2) PERSONS

MANUAL CANONIE GEN. Labor 2 Equip. Oper. 7

Truck Drivers #2 (UNGERMAN) Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	11			
" D-5	8			
" 12G	11			
(Sheep)Compactor	11			
(Smooth) "	8			
Canonie Wtr. Trk		OFFSITE FOR REPAIRS		
Hertz Wtr.Trk	8			
(E. Bank) Cat 235	10			
Chipper		STAND-BY		
Generator / Steam Genny		STAND BY		
1/2 ton pickup	11			
mechanic Trucks & Tools	12			

MEETINGS:

PLAN OF DAY W. Bank Continue w/ Rabbit Fill From ~Sta. 6+00 Southwards; Continue Riprap Placement & Slope Grading North Of Sta. 5+75 E. Bank Completes Tributary; Continues Northwards, Toe Trench Exc. From Sta. 12+00

SAFETY Good Construction Practices; Watch Truck Traffic

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Placed Rabbit Fill From Sta. 6+00 To ~13+00; Pulled GT Up Slopes From Sta. 5+00 To Sta. 3+00; Dressed Slopes From Sta. 0+60 To 5+75; Placed Bedding From 4+50 To 5+75; Dressed Inside Of Dike Slopes From Sta. 11+00 To 1+00; Left Access Road @ 5+40; Placed Riprap From 5+00 To 5+75

EAST BANK Continued Toe Trench Excavation From Sta. 12+00 To 13+00; Completed Work On Tributary; Continued Clearing Trees, Stumps & Branches

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 (Borrow)	CY	1608.0
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	33.5
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E. Bank 92.6 / W. Bank 68.9
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV. (E. Bank)			"		
CLEAN MATRL.	CY	228.2	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~ TONS	104.24
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	334.35
CLAY FILL (Borrow)	CY	1608.0	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)

- Finish Baseline stakeout S. Section East Bank
- X-section 29+60 - 25+50

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
West Bank	1	Sta. 10+20	A-5	Backfill		X	
	2	Sta. 5+00	A-6	Geotextile		X	
	3	Sta. 5+00	A-7	Bedding		X	
	4	Sta. 5+00	A-8	Riprap		X	
	5						
	6						
	7						
	8						
	9						
	10						

COMMENTS Some Riprap Areas Will Require Minimal Regrading

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Testing Completed on Site Fill
All Results will be included in Friday 10-5-90
Daily Report

TECHINICAL CONCERNS/PROBLEMS:

EALTH & SAFETY 10/3/90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1	88, 8, 5
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1140	5+25	HNu	Real Time	0.5 ppm
2	1141	5+25	Miniram	R.T.	0.00 mg/m³
3	1142	5+25	CGI	R.T.	20% O₂, 0% LEL
4	1517	4+50	HNu	R.T.	0.5 ppm
5	1518	4+50	Miniram	R.T.	0.00 mg/m³
6	1520	4+50	CGI	R.T.	20.6% O₂, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0900	East bank	5/loader, 2 trucklocs	D	none
2	1500	N of CELA	4/loader, truckloc, dumpster, dozer	D	none
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — Out: —

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	≈ 1800	East bank	Gail Reid/loader	None/dented rear of truck	
2					

Accident/Breeches Report: Gail Reid backed his loader into a dump truck & dented the dump truck in the rear end

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:

Following still onboard E-1 E-2 E-3
C-1 C-2- C-3 C-4 C-6 C-11 C-12
C15 C-16 NO incidents

PAGE: 6 OF _____

FILL MATERIAL ABOVE WATER SURFACE

SHEET ___ OF ___
INSPECTION DATE 10/3/90

	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: None Required

5. FILL LOCATION
DIKE STATION 6+00 TO 13+00 (W. Bank)

6. REMARKS ___

INSPECTOR Frank Gontowski DATE 10/3/90

REVIEWED BY [signature] DATE 10-9

GEOTEXTILE

FORM 6
SHEET ____ OF ____
INSPECTION DATE ____

	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 5+00 TO 3+00 (W. BANK)

5. REMARKS GT PULLED UP SLOPES & BOTTOM SECTIONS OF GT ALREADY COVERED W/ BEDDING & RIPRAP

INSPECTOR FRANK GRONTOWSKI / PETER PORTER DATE 10/3/90

REVIEWED BY MA DATE 10.9

FOR [redacted]-7
SHEET ____ OF ____

BEDDING

INSPECTION DATE 10/3/90

	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: None Required

4. BEDDING LOCATION

DIKE STATION 4+50 TO 5+75

5. REMARKS Bedding Only Needed To Be Placed On Appox. Upper Half Of Slopes

INSPECTOR Frank Gontowski / Pete Porter DATE 10/3/90

REVIEWED BY [redacted] DATE 10.9

RIP RAP

SHEET 1 OF ___
INSPECTION DATE 10/3/90

	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: None Required

4. RIPRAP LOCATION

DIKE STATION 5+00 TO 5+75

5. REMARKS [redacted]

INSPECTOR Frank Gontowski DATE 10/3/90

REVIEWED BY [redacted] DATE 10.9

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-3-40

Work Areas Checked: North of CELA
East bank

Employees Present in Work Areas: Gail, Reid, Phil Smith, Bob Nielsen, Clint Nielsen, Pete Porter, Norm Drury, Scott Hunt, Grant Meikle, Dave Dekker, Kent Ettinger

Equipment Being Utilized: 2 trackhoes, 2 dozers, 2 loaders, Compactor, Roller, Dozer, water truck

PPE Being Utilized: Level D

Accidents/Breeches of Procedures: Gail Reid backed his loader into a dump truck

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-3-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

No levels above normal/background were found during west bank operations today.

Personnel Sampling none

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

CGI = 15% O_2, 50% LEL

miniram = Z-bag for zeroing

bank. East bank toe trench excavation, Rip wrap & fabric & stone placement, chipping
PM Activities: same as AM, + stone, Rip wrap placement along 2+00 → 5+00 area on west side Dike

Time: 1138, Temp ≈ 63°F, Sunny, SE wind
Time: 1516, Temp ≈ 69°F, Sunny, SE wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/3/90 - 1140	5+25	HNu	PI101	Cal = 11 ppm Isobutylene 13g = 0.5 ppm	0.5 ppm	Real Time
1/3/90 - 1141	5+25	Miniram	PDM-3	2 day for zeroing	0.00 mg/m³	RT
1/3/90 - 1142	5+25	CGI	261	15% O_2, 50% LEL	20% O_2, 0% LEL	RT
1/3/90 - 1517	4+50	HNu	PI101	Same	0.5 ppm	RT
1/3/90 - 1518	4+50	Miniram	PDM-3	Same	0.00 mg/m³	RT
1/3/90 - 1520	4+50	CGI	261	Same	20.6% O_2, 0% LEL	RT

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 3 OCT 90

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:42 / 7:39 9:34/11:06	1:37 / [redacted]	
C-2 L. Dekker	6:42 / 3:00	3:39 /	
C-3 P. Porter	6:34 / 5:48	6:22 /	
C-4 A. Muellerleile	7:18 / 12:23	/	
C-5 C. Ettinger	6:58 / 8:41 10:33/10:35 11:26/11:48 12:05/1:06	1:44/2:43 3:40/6:09	
C-6 F. Gontowski	6:36 / 7:55 8:11/12:08	12:32/4:23 4:53/5:48 6:24	
C-7 C. Chang	/	/	
C-8 J. App	6:47 / 10:06 12:05/12:40	5:[redacted]/5:39	
C-9 G. Lazusky	6:47 / 10:06 12:05/12:40	5:[redacted]/5:39	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:40 / 9:11	9:43 / 10:54 11:15	
C-12 C. Mckim	6:40 / 7:08	/	
C-13 G. Reid	6:37 / 7:08	/	
C-14 N. Tracy	6:49 / 7:08	/	
C-15 G. Maichele	6:21 / 6:41 6:58/12:15	12:49/5:13	
C-16 S. Hunt	6:32/6:41 6:58/7:14	8:13/8:23 9:33/9:40 10:54/[redacted] 6:20/6: 5:12/5:30	
C-17 P. Smith	6:44 / 7:08	/	
C-18 R Edwards	6:43 / 7:08 11:37/12:00	12:29/5:54	
C-19 R. Bartels	/	/	
C-20 T. ALLEN	7:05 / 7:08 8:13/8:23	11:37 / 11:50 12:29/4:50	5:12/5:40
E-1 G. Stiles	6:44/7:26 8:05/[redacted]	9:50/10:7 1:00	1:44/6:05 6:55
E-2 T. Granger	12:47/1:00	1:44 / 6:05	6:55
E-3 S. Stiles	11:34 / 5:24	/	
E-4 C. Swann	6:58 / 7:26 8:05/9:15	11:50/12:17 12:54/1:00	1:44
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:35 / 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	6:00 / 1:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 3 OCT 90

No./Name NO.	LIC#	Time In/Out		Time In/Out						Remarks
A-1	LP2288	7:18/7:22	7:39/7:42	8:04/8:09	8:28/8:32	8:49/8:54	9:09/9:14	9:31/9:40	9:57/10:02	
A-2	NY 6512	7:21/7:27	7:44/7:49	8:06/8:13	8:39/8:40	8:56/9:01	9:17/9:42	9:58/10:05	10:23/10:37	
A-3	CT 1935	7:23/7:32	7:51/7:57	8:15/8:22	8:40/8:45	9:03/9:09	9:26/9:34	4:50/9:57	10:15/10:20	
A-4	NY 6511	7:23/7:32	7:53/8:00	8:18/8:25	8:41/8:47	9:05/9:14	9:29/9:40	10:10/10:14	10:29/10:33	
A-5	LA 5530	11:42/11:47	12:09/12:10	12:26/12:30	12:49/12:51	1:08/1:12	1:30/1:35	1:52/1:57	2:14/2:24	
A-1		10:13/10:23	10:40/10:49	11:02/11:05	11:24/11:30	11:47/11:52	12:09/12:14	12:29/12:35	12:51/12:56	1:17/1:17
A-2		10:44/10:49	11:04/11:08	11:29/11:34	11:49/11:54	12:09/12:16	12:36/12:36	12:59/12:57	1:13/1:21	1:37/1:43
A-3		10:38/10:43	11:01/11:07	11:23/11:27	11:45/12:00	12:16/12:22	12:40/12:47	12:52/12:59	1:15/1:22	1:28/1:33
A-4		10:48/10:53	11:08/11:16	11:31/11:36	11:51/11:52	12:13/12:18	12:33/12:38	1:01/1:11	1:36/1:43	2:01/2:06
A-5										
[redacted]										
A-1		1:35/1:41	1:56/2:03	2:19/2:24	2:43/2:48	3:05/3:09	3:25/3:30	3:50/3:57	4:14/4:19	4:36/4:41
A-2		1:56/2:04	2:20/2:26	2:43/2:49	3:06/3:10	3:27/3:34	4:10/4:15	4:32/4:39	4:54/4:59	5:15/5:20
A-3		1:50/1:52	2:13/2:18	2:36/2:41	3:00/3:06	3:20/3:26	3:45/3:51	4:07/4:12	4:28/4:49	4:48/4:55
A-4		2:22/2:27	2:46/2:51	3:09/3:13	3:28/3:31	3:28/3:34	3:50/3:57	4:15/4:20	4:36/4:41	4:59/5:05
A-5		2:41/2:46	3:01/3:07	3:24/3:29	3:46/3:52	4:08/4:14	4:29/4:36	4:32/4:36	4:51/4:56	5:13/5:18
A1		4:57/5:02	5:20/5:25	5:43/5:48	6:03/6:07	6:24/6:30				
A2		5:36/5:42	5:59/6:04	6:16/6:20						
A3		5:13/5:17	5:33/5:39	5:56/6:00	6:38/6:45					
A4		5:21/5:26	5:44/5:49	6:04/6:10	6:25/6:30					
A5		5:34/5:39	5:56/6:02	6:18/6:23	6:39/6:45					
Boyd Green	A-6	12:42/12:52	1:05/1:13		1:34/1:38		1:55/2:02		3:07/3:15	
		3:33/3:40	3:57/4:03		4:21/4:27		4:42/4:50		5:06/5:10	
		5:29/5:34	5:50/5:56		6:13/6:19		6:34/6:45			

A-1 Boyd Green T-10 Bakers
A-2 ~~Pete Baker~~ T-9 John Perkins
A-3 Russ Layton Rod Grant
A-4 Rich Gentry T-8
A-5 Pete Baker White Grant Campers

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 3 OCT 90

No./Name	Time In/Out	Time In/Out	Remarks
Dale Sanders	9:49/10:11		Shorts oil Co.
Charlie Baker	9:52/10:03		to see F. Gontowski
Shawn Ives	9:57/10:03		to deliver pipes to G. Stiles
Larry York	10:27/10:50	11:19/11:44	york Electrical
UPS	10:28/10:29		4 pc. delivery
Nelson Bakerman	10:47/1:00	1:44/5:34	to see G. Stiles
Buck Ennis	10:47/1:00	1:44/5:34	"
Tammy Worthington	12:20/12:24		to see L. DEKKER
61 Don Brandon 12:01/12:05	3:39/3:51		General crushed Stone
TOM GOWAN	2:19/4:20		BENJIN CLEAN
62 OSMOND	3:51/3:59		GENERAL CRUSHED STONE
64 CHARDLET	3:59/4:10		" " "
63 DARLAND	4:29/4:39		" " "
66 COMBS	4:29/4:39		" " "
B. DEMMING	5:10/5:20		SEE G. STILES
N. UNGERMAN	5:12/5:30		DELIVERY
MRS C. McKim	5:28/5:30		

PROJECT ENTRY PERMIT

DATE: 10-3 TIME IN: _____ TIME OUT: 7:10 pm.

NAME: Dave Dekker

COMPANY: Conam

BADGE No: C-1

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

PROJECT ENTRY PERMIT

DATE: 10-3. TIME IN: _____ TIME OUT: 7:10 pm.

NAME: LaVonne Dekker

COMPANY: Conam

BADGE No: C-2

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

PROJECT ENTRY PERMIT

DATE: 10-3 TIME IN: _____ TIME OUT: 8:05

NAME: R. Porter

COMPANY: Canonie

BADGE No: C-3

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

PROJECT ENTRY PERMIT

DATE: 10/3/90 TIME IN: _____ TIME OUT: 7:30

NAME: ALLAN MUELLERLEILE

COMPANY: CANONIE

BADGE No: C-4

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

PROJECT ENTRY PERMIT

DATE: 10/3/90 TIME IN: — TIME OUT: 8:45

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: 10/3/90 TIME IN: — TIME OUT: 7:30

NAME: GRANT MICHELE

COMPANY: CANONIE

BADGE No: C-15

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

PROJECT ENTRY PERMIT

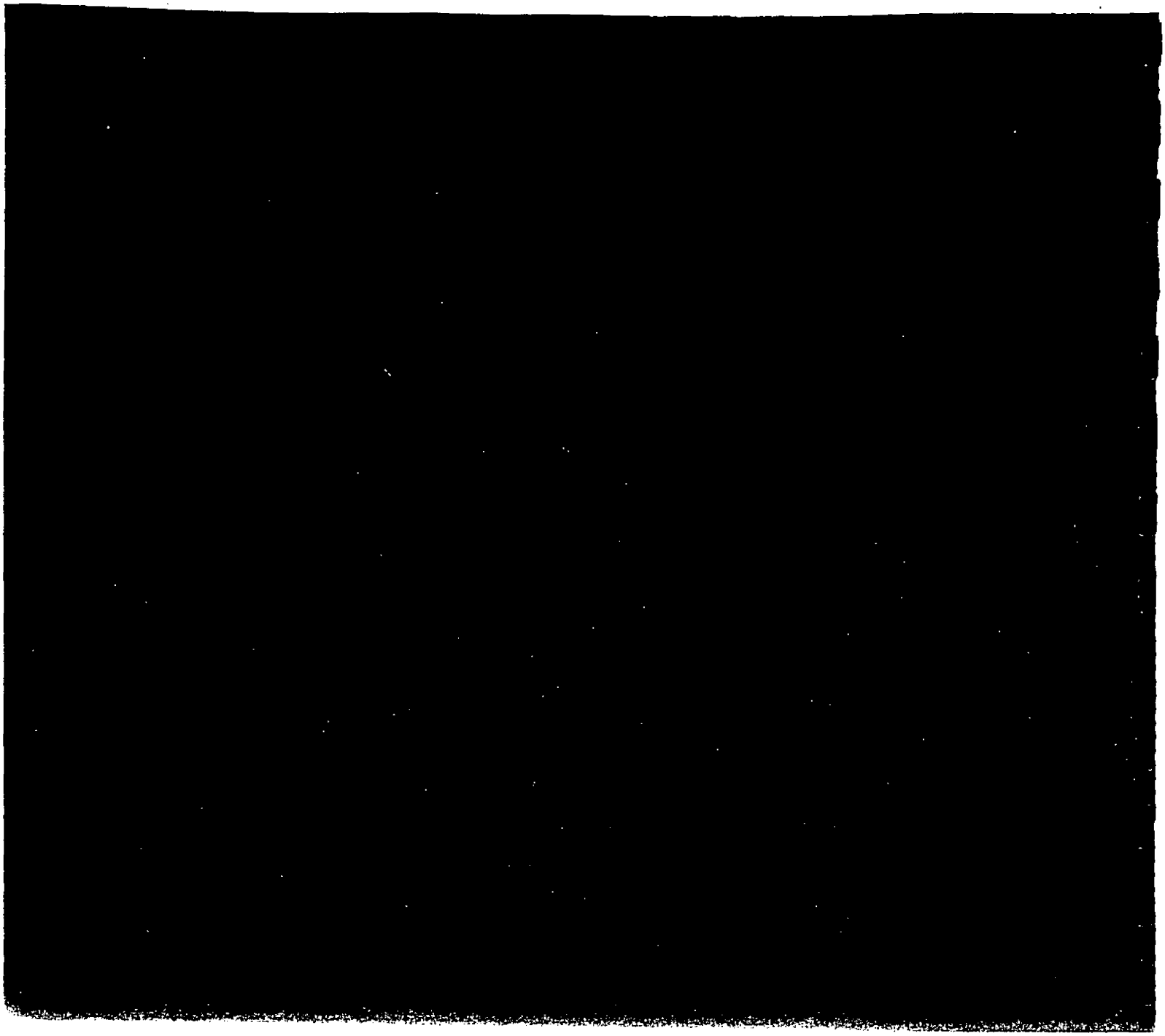
DATE: 10/3/90 TIME IN: — TIME OUT: 7:30

NAME: Scott Hunt

COMPANY: Canon

BADGE No: C-10

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



SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

OCT 0 9 1990

EBASCO / ARCO

DATE: 10-2-90 DAY: TUESDAY HRS.WRK. 10 REPORT NO: 91

WEATHER INFORMATION:

TEMPERATURE: High 65 Low 35 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM 04.66 PM

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 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	APP SURVEYING
"		SUPV.	1 EMPS. 2
USCOE/EPA	1	SUB.	UNGERMAN EXC.
"		SUPV.	1 EMPS. 2
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor 2 Equip. Oper. 7

Truck Drivers 2 (UNGERMAN EMP.) 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		OFFSITE FOR REPAIRS		
Hertz Wtr.Trk	8			
(E. Bank) Cat 235	10			
Chipper		STAND-BY		
Generator / Steam Genny		STAND-BY		
1/2 ton pickup	5	OFFSITE FOR REPAIRS (5 HRS.)		
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY E. Bank Complete Stump Removal & Dumping & Start Work On Toe Trench @ South End W. Bank Continue w/ Babbit Fill Placement @ North End Of Dike

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #604 (Construct West Bank Dike)
#605 (Place W. Bank Riprap Protection)

EAST BANK 3-Strand Barbed Wire Fence, Etc. (See Daily Progress Report)

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	1.1	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL(Basart)	CY	882.0
CONTNTD	CY		GEOTEXTILE FAB	SY	421.8
EXCAVATION			BEDDING MATRL	CY	68
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E. Bank 85.2 W. Bank 340.8
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~~ TONS	76.5
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL(Basart)	CY	882.0	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. (SEPTIC WASTE)	GALS	1000	No	SECURITY
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Set Baseline & Slope Stakes Along East Bank
- Prepared Volume Computations

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	5+75 To 16+50	A-8	Riprap	Requires Regrading In Various Locations (Where Painted)		
2	6+00	A-7	Bedding		X	
3	6+00	A-6	Geotextile		X	
4	0+00 To 6+50	A-5	Babbit Dike Fill		X	
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Testing completed on Babbitt Dike Fill. Results will be submitted with 10-3-90 Daily Report.

TECHINICAL CONCERNS/PROBLEMS:

ALTH & SAFETY 10-2-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	7, 3, 1,	70, 6, 6,
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0931	S+75	HNu	Real-Time	0.5 ppm
2	0932	S+75	Miniram	R.T.	0.00 mg/m³
3	0933	S+75	CGE	R.T.	21.2% O_2, 0% LEL
4	1717	4+00	HNu	R.T.	0.5 ppm
5	1718	4+00	Miniram	R.T.	0.00 mg/m³
6	1719	4+00	CGE	R.T.	20.1% O_2, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	1000	N of CEIA	4/ tractor, compactor, dozer, loader	D-None	
2	1315	East bank	4/ dozer, trackhoe, loader	D-None	
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — Out: —

ACCIDENTS/BREECHES OF PROCEDURES:

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

Accident/Breeches Report:

Daily Progress Report

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

Sheet 2

BY: FRANK GONTOWSKI | CLIENT: | DATE: 10/2/90

CLIENT: SINCLAIR REFINERY, WELLSVILLE, NY | PE/PS:

JOB NO: 88-093 | LOCATION OF WORK: WEST & EAST BANK

ACTIVITY:

ACTIVITY ID #604 (CONSTRUCT WEST BANK DIKE):
- PLACED BARROW FILL FROM STA. 0+00 TO 6+50
- FILL COMPACTED TO MEET CONTRACT SPECIFICATIONS

Activity ID # 405 (Grub E. Bank)
- Collected stumps and placed next to old river channel waiting to be pushed in and covered with at least 2' of fill

ACTIVITY ID # 605 (PLACE W. BANK RIPRAP PROTECTION):
- PLACED (UNROLLED) GEOTEXTILE ON SLOPES FROM APPROX. STA. 5+00 TO 6+50 & AT VARIOUS MISCELLANEOUS LOCATIONS; SLOPES SHAPED
- PLACED BEDDING STONE FROM 5+50 TO 6+50
- PLACED RIPRAP FROM STA. 5+75 TO 8+50
- ALL MATERIAL PLACEMENT WAS PERFORMED IN ACCORDANCE W/ CONTRACT SPECIFICATIONS, UNLESS OTHERWISE NOTED ELSEWHERE IN THIS REPORT
- RIPRAP WAS WORKED INTO PLACE TO FILL [redacted] & PROVIDE A SURFACE WITHIN TOLERANCES STATED IN THE CONTRACT SPECIFICATIONS;
[redacted]

EAST BANK:
#405
- CONTINUED REMOVAL OF STUMPS & PLACING IN OLD RIVER CHANNEL
- THIS WORK APPROVED BY GARY STILES
- POSTS FOR 3-STRAND BW FENCE INSTALLED ALONG SHORT'S FIELD
- TOE TRENCH EXCAVATION PERFORMED FROM STA. 18+47 TO 19+25
- [redacted] LAYER OF BEDDING PLACED & ONE LAYER OF RIPRAP ALSO PLACED
- REMAINING RIPRAP PLACEMENT IN THIS AREA WILL FINISH TOMORROW
- TRIBUTARY WORK ALMOST COMPLETED

F-941

(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

SHEET ____ OF ____
INSPECTION D. 10/2/90

	MATERIAL	ACCEPT	REJECT	N/A
1				
	- 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: None Required

5. FILL LOCATION
DIKE STATION 0+00 TO 66+50

6. REMARKS None

INSPECTOR Frank Gantowski DATE 10/2/90

REVIEWED BY [signature] DATE 10/9

GEOTEXTILE

FORM 6
SHEET ____ OF ____
INSPECTION DATE 10/2/90

	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 5+00 TO 6+50

5. REMARKS GT UNROLLED TO TOP OF SLOPE, WHICH WAS GRADED TO MEET CONTRACT SPECIFICATIONS

INSPECTOR FRANK GONTOWSKI / PETE PORTER DATE 10/2/90

REVIEWED BY [signature] DATE 10-9