

New Jersey Department of Environmental Protection
Division of Water Quality
Residuals Waste Characterization Report Submittal Form

PI 47027

NJPDES PERMIT	MONITORING PERIOD						MONITORED LOCATION:
NJ0074284	Month	Day	Year	To	Month	Day	Year
	6	1	2004		6	30	2004
							SL3A - SQAR-Belt Filter

PERMITTEE:

USDOD DEPT OF THE ARMY
REG. DIR. OF PUBLIC WORKS
ATT: AFZT-EH (PETER TRANCHIK)
FORT DIX, NJ 08640-5501

LOCATION OF ACTIVITY:

US ARMY FORT DIX
JULIUSTOWN-BROWNS MILLS RD
PEMBERTON TWP, NJ 08640-0000

REPORT RECIPIENT:

OPTECH
P O BOX 338
FORT DIX, NJ 08640

REGION / COUNTY: Southern / Burlington County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey Water Pollution Control Act provides for penalties up to \$50,000 per violation.

DAVE BARIL - OPTECH Plant Manager
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

S-A, C-A, N-A
GRADE AND REGISTRY NUMBER (IF APPLICABLE)

Dave Baril
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

7/14/04 *609-562-5574*
DATE (MONTH / DAY / YEAR) AREA CODE / TELEPHONE NUMBER

**For a local agency where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:*

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed the attached discharge monitoring reports.

Kenneth D. Smith, Chief, ENV. BR.
NAME AND TITLE

Kenneth D. Smith
SIGNATURE

DATE *7/20/04*

609-562-2189
AREA CODE/PHONE NUMBER

Residuals Waste Characterization Report

PI 47027

PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:

NJ0074284

SL3A SQAR-Belt Filter Press 6/1/2004 TO 6/30/2004

US ARMY FORT DIX

SAMPLE DATE OF REPORT: 6/1 - 6/21/04

PARAMETER	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Sludge Landfilled *ASDL Residuals	CODE M	DMT/MO		CALCTD
Sludge Land Applied *ASLA Residuals	69.47	DMT/MO		CALCTD
Sludge Disposed Out-of-State *ASPO Residuals	CODE M	DMT/MO		CALCTD
Amt Sludge Rmvd, Wet Cubic Yards *ASR1 Residuals	468	WCY/MO		CALCTD
Amt Sludge Rmvd, Wet Metric Tons *ASR2 Residuals	CODE M	WMT/MO		CALCTD
Amt Sludge Rmvd, Gallons *ASR3 Residuals	CODE M	GAL/MON		CALCTD
Sludge Bene Use Out-of-State *ASR4 Residuals	CODE M	DMT/MO		CALCTD
Sludge Surface Disposed *ASSD Residuals	CODE M	DMT/MO		CALCTD
Total Amount of Sludge Removed *ASUD Residuals	69.47	DMT/MO		CALCTD
Sludge Incinerated *MASI Residuals	CODE M	DMT/MO		CALCTD
Sludge Disposed- Other Methods *SPOM Residuals	CODE M	DMT/MO		CALCTD
Sludge/Septage Rcvd Offsite Srces Wet MT *SS02 Residuals	CODE M	WMT/MO		CALCTD
Sludge/Septage Rcvd Offsite Srces Gals *SS03 Residuals	CODE M	GAL/MON		CALCTD
Sludge/Septage Rcvd Offsite Srces Wt Yd3 *SS01 Residuals	CODE M	WCY/MO		CALCTD
Solids, Total 00500 Residuals	19.17	%TS		COMPOS
Lab Certification # 99999 Lab	PA166			NOT AP
Lab Certification # 99999 Lab				NOT AP
Lab Certification # 99999 Lab				NOT AP
Lab Certification # 99999 Lab				NOT AP
Lab Certification # 99999 Lab				NOT AP

Comments: If you have any questions please contact the Bureau of Pretreatment and Residuals at (609) 633-3823.

New Jersey Department of Environmental Protection
 Division of Water Quality
Residuals Transfer Report Submittal Form

PI 47027

NJPDES PERMIT NJ0074284	MONITORING PERIOD						MONITORED LOCATION: SL3A - SQAR-Belt Filter
	Month 6	Day 1	Year 2004	To	Month 6	Day 30	

PERMITTEE:

USDOD DEPT OF THE ARMY
 REG. DIR. OF PUBLIC WORKS
 ATT: AFZT-EH (PETER TRANCHIK)
 FORT DIX, NJ 08640-5501

LOCATION OF ACTIVITY:

US ARMY FORT DIX
 JULIUSTOWN-BROWNS MILLS RD
 PEMBERTON TWP, NJ 08640-0000

REPORT RECIPIENT:

OPTECH
 P O BOX 338
 FORT DIX, NJ 08640

REGION / COUNTY: Southern / Burlington County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

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DAVE BARIL - OPTECH PLANT MANAGER
 NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

S-4, C-4, N-4
 GRADE AND REGISTRY NUMBER (IF APPLICABLE)

Dave Baril
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

7/14/04
 DATE (MONTH / DAY / YEAR)

609-562-5574
 AREA CODE / TELEPHONE NUMBER

*For a local agency where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed the attached discharge monitoring reports.
 LINDA CHODAYNSKI - CHIEF
 ENGINEERING & ENVIRONMENTAL DIVISION

Kenneth D. Smith
 SIGNATURE

NAME AND TITLE
 DATE 7/20/04

609-562-3650
 AREA CODE/PHONE NUMBER

Residuals Transfer Report

PI 47027

PERMIT NUMBER: NJ0074284 MONITORED LOCATION: SL3A SQAR-Belt Filter Pre MONITORING PERIOD: 6/1/2004 TO 6/30/2004 FACILITY NAME: US ARMY FORT DIX

#	SENT TO	REC'D FROM	FACILITY ID NUMBER	AMOUNT TRANSFERRED		MONITORED LOCATION
				QUANTITY	UNITS	
1	X		47205	468	40 ³	
2						
3						
4						
5						
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Comments: If you have any questions please contact the Bureau of Pretreatment and Residuals at (609) 633-3823.

New Jersey Department of Environmental Protection
Division of Water Quality

PI 47027

Ground Water Discharge Waste Characterization Report Submittal Form

NJPDES PERMIT NJ0074284	MONITORING PERIOD						MONITORED LOCATION: R01R - DIS MON PT
	Month 6	Day 1	Year 2004	To	Month 6	Day 30	

PERMITTEE:

USDOD DEPT OF THE ARMY
REG. DIR. OF PUBLIC WORKS
ATT: AFZT-EH (PETER TRANCHIK)
FORT DIX, NJ 08640-5501

LOCATION OF ACTIVITY:

US ARMY FORT DIX
JULIUSTOWN-BROWNS MILLS RD
PEMBERTON TWP, NJ 08640-0000

REPORT RECIPIENT:

OPTECH
P O BOX 338
FORT DIX, NJ 08640

REGION / COUNTY: Southern / Burlington County

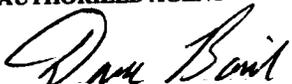
CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey Water Pollution Control Act provides for penalties up to \$50,000 per violation.

DAVE BARIL - OPTECH AGENT MANAGER
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

S-A, C-A, N-A
GRADE AND REGISTRY NUMBER (IF APPLICABLE)

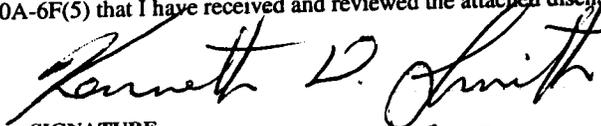

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

7/14/04 609-562-5574
DATE (MONTH / DAY / YEAR) AREA CODE / TELEPHONE NUMBER

*For a local agency where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed the attached discharge monitoring reports.

LINDA CHODKOWSKI - CHIEF
ENGINEERING & ENVIRONMENTAL DIVISION
NAME AND TITLE


SIGNATURE

DATE 7/20/04

609-562-3050
AREA CODE/PHONE NUMBER

Ground Water Discharge Waste Characterization Report PI 47027

PERMIT NUMBER: NJ0074284
MONITORED LOCATION: R01R DIS MON PT
MONITORING PERIOD: 6/1/2004 TO 6/30/2004
FACILITY NAME: US ARMY FORT DIX

SAMPLE DATE OF REPORT: 6/1 - 6/30/04

PARAMETER	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Flow Rate 00056 Effluent Gross Value	2.8933	MGD		CONTIN
Nitrogen, Total (as NO3 + NH3) *NITR Effluent Gross Value	0.65	MG/L		COMPOS
pH 00400 Effluent Gross Value	6.88	SU		GRAB
Coliform, Fecal General 74055 Effluent Gross Value	< 10	#/100ML		GRAB
Lab Certification # 99999 Lab	PA166			NOT AP
Lab Certification # 99999 Lab				NOT AP
Lab Certification # 99999 Lab				NOT AP
Lab Certification # 99999 Lab				NOT AP
Lab Certification # 99999 Lab				NOT AP

Comments: If you have any questions, please call the BNPC at 609-292-0407.



State of New Jersey
Department of Environmental Protection

Bradley M. Campbell
Commissioner

James E. McGreevey
Governor

*Water Compliance and Enforcement
Southern Regional Office
2 Riverside Drive, Suite 201
Camden, New Jersey 08103-0137*

September 2, 2003

Linda Chominski, Chief
Environmental/Natural Resources Division
U.S. Army Fort Dix
Regional Directorate of Public Works
Attn: AFZT-EH
Fort Dix, New Jersey 08640

RE: Compliance Evaluation Inspection
U.S. Army Fort Dix – TWTP & IPL's
NJPDES No. NJ0074284 – DGW / PI ID# 47027
New Hanover Township / Burlington County

Dear Ms. Chominski:

A Compliance Evaluation Inspection of your wastewater treatment facility was performed on August 1, 2003 with a follow-up inspection of the land application site performed on August 5, 2003. A copy of the completed inspection report is enclosed for your information. Please address any comments or concerns which may be listed therein.

The Department anticipates your continued cooperation in assisting us in the control and prevention of water pollution in New Jersey.

If you have any questions concerning this letter or the enclosed inspection report, please contact me at (856) 614- 3655 or by letter through this Bureau.

Very truly yours,

David P. Stewart
Principal Environmental Specialist

Enclosure

c: Burlington County Health Department
David Baril, Licensed Operator, OPTECH, Inc.
Richard Ameigh, Project Manager, Ft. Dix TWTP
John Kushwara, USEPA, Region II

Compliance Evaluation Summary

Activity: SCI030001 *Standard Compliance Inspection (47027)

Start Date/Time: 8/1/2003 00:00 End Date/Time: 8/5/2003 00:00

Lead Investigator: Stewart, David

Other Investigators:

Persons Interviewed: David Baril, Operations/Project Manager
OPTECH Co.
(609) 562-5574

Witnesses:

Program Interest: 47027 US ARMY FORT DIX (NJPDES)
JULIUSTOWN-BRC WNS MILLS RD
Pemberton Twp, Burlington County

Responsible Entities: US ARMY FORT DIX

- Comments:**
- 1.) Reviewed the facility's required monitoring report forms (DMRs, WCRs, RTRs, etc.) for the monitoring period from July 2002 through June 2003. The facility did not record any serious or significant effluent violations. In addition, the facility re-submitted various monitoring reports to address reporting deficiencies previously discovered.
 - 2.) The treatment plant is well maintained and appeared to be operating satisfactorily. No significant operational problems were reported or observed during the plant inspection in 8/1/03. The discharge from the plant (DSN #R01R - to the L.A.S.) was very clear. Also, the I/P lagoons/basins were found to be adequately maintained (during the L.A.S. inspection on 8/5/03). It was observed that repairs had been made to several basins which had embankment erosion problems.
 - 3.) The facility is having difficulty keeping out vegetative growth in several of the basins due to the consistent volume of rainfall during 2003. Although the basins are regularly scarified, basins A-6, B-3, and B-6 has moderate to sparse vegetation with basin B-1 having excessive vegetation (to be removed). It was observed that this temporary vegetative cover did not appear to affect the percolation of wastewater. The remaining basins were either cleared or had minimal weeds/grasses present.

Compliance Evaluation Report

Activity: SCIO30001 *Standard Compliance Inspection
 47027 US ARMY FORT DIX, Pemberton Twp (NJPDES)

Start Date: 8/1/2003 Page 1 of 3
 Lead Investigator: Stewart, David

Requirement	Status	Results or Comments
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Subject Item: WQGW - Water - Pre-NJEMS Groundwater Permit

DISCHARGE REQUIREMENTS.

H

Were there any discharges of pollutants to the waters of the State not authorized by a valid NJPDES permit?. [N.J.A.C. 7:14A- 2.1(d)]

IC NONE

MONITORING REQUIREMENTS.

H

Was all monitoring conducted in accordance with Part III of the Permit?.[N.J.A.C. 7:14A- 6.5(b)]

IC

Was sampling conducted in accordance with the Field Sampling Procedures Manual or other Department approved method?.[N.J.A.C. 7:14A- 6.5(b)4]

IC

Were all analyses performed by New Jersey Certified Laboratory? Indicate lab name(s).[N.J.A.C. 7:14A- 6.5(a)2]

IC

Q.C. Labs, Inc.
 NJ Cert. # PA166 (Formerly 77166)
 Ft. Dix TWTP Lab, NJ Cert.# 03009

Were wastewater analyses performed in accordance with the appropriate analytical test procedures as required by the permit? .[N.J.A.C. 7:14A- 6.5(a)2]

IC

Does the permittee sample the upgradient well(s) first? [N.J.A.C. 7:14A- 6.5(b)4]

NA GW monitoring not currently required.

Were effluent characterization samples listed in PART III - WCR collected in different quarters of the year? .[N.J.A.C. 7:14A- 6.2(a)1]

IC

REPORTING.

H

Did the permittee complete monitoring reports in accordance with the current Discharge Monitoring Report Manual and any updates?.[N.J.A.C. 7:14A- 6.2(a)1]

IC

Did the highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility sign the monitoring reports?.[N.J.A.C. 7:14A- 6.9(a)]

IC

RECORDKEEPING.

H

Does the permittee retain monitoring records as required by the permit? .[N.J.A.C. 7:14A- 6.6(a)]

IC

Does the permittee retain copies of all reports required by a NJPDES permit and records of all data used to complete the application for a NJPDES permit for a period of at least 5 years? .[N.J.A.C. 7:14A- 6.6(a)]

IC

- IC - In Compliance
- OC - Out of Compliance
- NI - Not Inspected
- NC - No Obvious Concern
- H - Heading
- N - No
- ND - Compliance Not Determined
- NA - Not Applicable
- PV - Potential Violation
- ON - Out of Compliance, Non-referred
- Y - Yes
- DC - Data Collection

Compliance Evaluation Report

Activity: SCI030001 *Standard Compliance Inspection
 47027 US ARMY FORT DIX, Pemberton Twp (NJPDES)

Start Date: 8/1/2003 Page 2 of 3
 Lead Investigator: Stewart, David

Requirement	Status	Results or Comments
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Subject Item: WQGW - Water - Pre-NJEMS Groundwater Permit

OPERATION, MAINTENANCE, AND EMERGENCY CONDITIONS.

H

Does the permittee maintain a current O&M Manual which includes an emergency plan? [N.J.A.C. 7:14A- 6.12(c)&(d)]

IC

Does the permittee operate and maintain the treatment works as specified in the O&M Manual? [N.J.A.C. 7:14A- 6.12(a)]

IC

Did the permittee restrict access to, and minimize the potential for contact with pollutants from, a regulated unit which poses a potential health risk or hazard? [N.J.A.C. 7:14A- 6.7(b)2]

IC

Did the permittee implement corrective measures, as required by the permit, after the discharge from a regulated unit caused a contravention of the GWQS? [N.J.A.C. 7:14A- 6.7]

NA

Did the permittee obtain all necessary TWAs for new construction, expansion or major repairs of regulated discharge units, as required by the permit?

NA

OPERATOR CERTIFICATION.

H

Does the facility employ a licensed operator who holds the appropriate classification of license to operate the treatment works? [N.J.A.C. 7:10A- 1.1]

IC

David Baril, S-4
 Optech Co. (contract operations firm)
 Ft. Dix TWTP & IPL's

Has the permittee notified the Department's Examination and Licensing Unit of any changes in licensed operator status? [N.J.A.C. 7:10A- 1.1]

NA

SLUDGE MANAGEMENT.

H

Where do the residuals go and what hauler removes them? [N.J.A.C. 7:14A-20]

DC

TO: Burlington Co. Resource Recovery Facility - County
 Co-Composting Facility
 PI ID#47205

WELL INSTALLATION & ABANDONMENT REQUIREMENTS .

H

Did the permittee properly seal and abandon inadequate or damaged wells as required by the permit? [N.J.A.C. 7:14A- 6.5(b)4]

NA

Has the permittee appropriately located and installed a replacement well and sampled that well by the 30th day after installation? [N.J.A.C. 7:14A- 9.4]

NA

Did the permittee install ground water monitoring wells, piezometer wells, and/or maintain existing ground water monitoring wells as required by the permit? [N.J.A.C. 7:14A- 6.5]

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Compliance Evaluation Report

Activity: SCI030001 *Standard Compliance Inspection

47027 US ARMY FORT DIX, Pemberton Twp (NJPDES)

Start Date: 8/1/2003 Page 3 of 3

Lead Investigator: Stewart, David

Requirement	Status	Results or Comments
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Subject Item: WQGW - Water - Pre-NJEMS Groundwater Permit

GWPP PLAN REQUIREMENTS .

H

Did the permittee develop a GWPP as required by the permit? .[N.J.A.C. 7:14A-7.6(b)]

IC

Did the permittee conduct all discharge and ground water monitoring as specified in the approved GWPP and reflected in Part III of the permit? .[N.J.A.C. 7:14A- 6.5(b)]

IC

Did the permittee perform flow monitoring in accordance with the approved GWPP? .[N.J.A.C. 7:14A- 6.5(b)]

IC

Did the permittee analyze monitoring well sample results by the methods specified in the approved GWPP? .[N.J.A.C. 7:14A- 6.5(b)]

IC

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OC - Out of Compliance
NI - Not Inspected
NC - No Obvious Concern
H - Heading
N - No

ND - Compliance Not Determined
NA - Not Applicable
PV - Potential Violation
ON - Out of Compliance, Non-referred
Y - Yes
DC - Data Collection