

MAY 23 2007



HCH-2007-052

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7004 2510 0005 2136 8208

Administrator of Water Compliance and Enforcement
New Jersey Department of Environmental Protection
401 East State Street, 4th Floor East
P.O. Box 422
Trenton, New Jersey 08625-0422

**Re: Hope Creek Generating Station
NJPDES PERMIT No. NJ 0024511
Notice of Noncompliance and Affirmative Defense of Laboratory Error**

Dear Sir or Madam:

Pursuant to N.J.A.C. 7:14A-6.10(j), PSEG Nuclear LLC ("PSEG Nuclear") is submitting this written report to the New Jersey Department of Environmental Protection ("NJDEP" or "Department"), concerning non-compliance reporting at the Hope Creek Generating Station ("Hope Creek" or "the Station"). Hope Creek is located in Lower Alloways Creek, Salem County, New Jersey. This letter is being delivered at the same time as the discharge monitoring report (DMR), which is being submitted to the Division of Water Quality.

As stated more fully within this report, PSEG Nuclear was informed in April, 2007 that South Jersey Testing Laboratories ("SJTL"), located at 1170 Karin Street, Vineland, New Jersey, the contract laboratory for Hope Creek's NJPDES compliance, was not certified for the testing and analysis of Total Petroleum Hydrocarbons ("TPH"), and had not been certified to do so since July, 2005. PSEG Nuclear reported the potential violation to the NJDEP in April 2007. As stated below, PSEG Nuclear has corrected this situation, and believes there has been no impact to human health or the environment. Further, to the extent that there was a violation, PSEG Nuclear believes that the incident falls within the definition of a laboratory error and, accordingly, is entitled to an affirmative defense. Therefore, PSEG Nuclear is also submitting a request for an affirmative defense pursuant to N.J.A.C. 7:14-8.3(i).

1. DESCRIPTION OF INCIDENT

This incident involves the failure of SJTL to provide certified results to PSEG Nuclear for TPH. By way of background, PSEG Nuclear has utilized SJTL for over 15 years to analyze samples from its discharge points as part of the company's compliance with its Hope Creek NJPDES permit. In April, 2007, PSEG Nuclear began receiving analytical results with a footnote next to the analysis for TPH indicating that it was for information only. When PSEG Nuclear contacted SJTL to request an explanation, SJTL explained that it was not a certified laboratory for TPH. PSEG Nuclear did not learn this until April 26, 2007. Fortunately, PSEG Nuclear had sent a duplicate sample to QC Laboratories ("QC"), located in Southampton, Pennsylvania, a laboratory certified by NJDEP to perform TPH analysis.

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PSEG Nuclear was able to have QC perform an appropriate analysis for TPH, which is indicated on the April 2007 DMR.¹

PSEG Nuclear immediately required SJTL to provide a timeline and explanation of its lack of certification. After making this inquiry, SJTL responded that it had not obtained certification from NJDEP as required in 2005. Based upon conversations with the NJDEP Office of Quality Assurance, and with SJTL, it is PSEG Nuclear's understanding that NJDEP did not begin requiring laboratories to become certified for TPH analysis until Fiscal Year 2006. Although SJTL claims that it had applied for certification at that time, SJTL now indicates that it had not obtained such certification. Thus, PSEG Nuclear believes that SJTL may have been uncertified for TPH analyses since July, 2005. However, PSEG Nuclear did not learn about SJTL's lack of certification until the footnote mentioned above appeared on the March/April 2007 analytical report, and PSEG Nuclear contacted SJTL on April 26, 2007 to obtain further explanation of the footnote. Previous SJTL analytical results did not have such a footnote. While this matter continues to be investigated by PSEG Nuclear, the company is unaware of any prior notice received from SJTL that the laboratory was not certified by NJDEP for TPH analysis. Attached hereto as Attachment A are SJTL analytical results from April 2007 which include the aforementioned footnote.

On April 30, 2007, PSEG Nuclear telephoned Steve Mathis of the Southern Regional Enforcement office, and e-mailed Susan Rosenwinkel, the permitting officer in the Division of Water Quality to advise them of the potential lack of certification by SJTL. PSEG Nuclear also notified Rachel Ellis in the Office of Quality Assurance on April 30, 2007.

2. STEPS BEING TAKEN TO DETERMINE THE CAUSE OF THE INCIDENT

PSEG Nuclear has determined that the cause of the submission of uncertified TPH results is due to SJTL not informing PSEG Nuclear of its lack of certification.

3. STEPS BEING TAKEN TO REDUCE, REMEDIATE AND ELIMINATE THE INCIDENT AND ANY DAMAGE TO THE ENVIRONMENT

PSEG Nuclear immediately began using QC to conduct certified analyses previously conducted by SJTL. Attached hereto as Attachment B is evidence that QC is certified for TPH. In addition, PSEG Nuclear has suspended utilizing SJTL until it has completed its investigation and determined a further course of action.

PSEG Nuclear believes that the incident caused no threat to human health or the environment. Since July 2005, SJTL has indicated on its monthly analytical reports that it has utilized Method 418.1 to analyze the samples for TPH. Method 418.1 has been, and is to date, the appropriate method for such analysis. A copy of SJTL monthly analytical results indicating use of Method 418.1 from July 2005 to March 2007, is attached as Attachment C. The analytical results reported by SJTL for TPH during the period when SJTL was not certified for the parameter did not indicate any exceedences. Further, the analytical result from QC did not indicate an exceedence for TPH for the samples it analyzed.

4. DURATION OF THE INCIDENT

¹ PSEG Nuclear began submitting spilt and duplicate samples to QC in April 2007 as a result of issues related to potable well monitoring. The split and duplicate samples included samples for both wastewater discharges and drinking water.

To the best of PSEG Nuclear's knowledge, SJTL's failure to be certified for TPH analysis began in July 2005.

5. CAUSE OF THE INCIDENT

See response to item 1, above.

6. STEPS BEING TAKEN TO REDUCE, ELIMINATE AND PREVENT THE RECURRENCE OF THE INCIDENT

PSEG Nuclear has suspended the use of SJTL until further notice, and has begun utilizing other certified laboratories, including QC, to provide certified analyses for the Hope Creek NJPDES permit compliance monitoring.

7. ESTIMATE OF THE THREAT TO HUMAN HEALTH AND THE ENVIRONMENT

See response to item 3, above.

8. MEASURES TAKEN TO REMEDIATE THE PROBLEM AND ANY DAMAGE OR INJURY TO HUMAN HEALTH OR THE ENVIRONMENT, AND TO AVOID REPETITION OF THE PROBLEM

As previously explained in response to item 3, above, PSEG Nuclear does not believe any remediation is necessary since the company believes there is no damage or injury to human health or the environment.

In order to prevent submission of uncertified laboratory results in the future, PSEG Nuclear is reviewing its procedures to provide additional assurance that a laboratory is certified and that if a laboratory loses its certification, either in whole or in part, that notification procedures are in place to allow PSEG Nuclear to change laboratories to maintain certified results. Such changes in procedures may include contract provisions that require submittal of current certifications for the analyses included in the contract before any of those analyses are performed, and immediate notification when the status of any certification changes.

AFFIRMATIVE DEFENSE OF LABORATORY ERROR

In addition to the information provided above, and pursuant to N.J.A.C. 7:14A-6.11 and N.J.A.C. 7:14-8.3(i), PSEG Nuclear submits the following information to substantiate the bases for the company's entitlement to an affirmative defense:

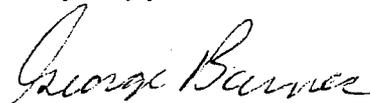
1. The laboratory error was not caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance or careless or improper operation or maintenance. Hope Creek was operating in accordance with the Station's Standard Operating Procedures. Further, SJTL did not indicate to PSEG Nuclear that it was not certified for TPH until April 2007.
2. This report satisfies all provisions of N.J.A.C. 7:14A-6.10.
3. The incident was not related to a groundwater remedial action.
4. SJTL was solely responsible for obtaining certification, and did not do so. To the extent that SJTL did not obtain certification for TPH, the laboratory should have put PSEG Nuclear on

notice immediately so that PSEG Nuclear could have utilized a certified laboratory to perform TPH analyses.

As set forth above, PSEG Nuclear has satisfied the requirements for asserting an affirmative defense of laboratory error at Hope Creek Generating Station for all analytical results for TPH from July 2005 until March 2007.

If you or your staff has any questions regarding this information please contact Jim Clancy at (856) 339-3144.

Very truly yours,



George Barnes
Hope Creek Site Vice President

Cc: Steve Mathis, NJDEP (w/encl.)
Susan Rosenwinkel, NJDEP (w/encl.)
Rachel Ellis, NJDEP (w/encl.)

Attachment "A"



South Jersey Testing Laboratory

1170 Karin Street Vineland, NJ 08360 Tel:856.690.8877 Fax:856.690.8837 email:sjtestinglab@comcast.net
N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038
Sample Date: 4/10/2007 8:25 AM
Receipt Date: 4/11/2007 1:05 PM
Report Date: 4/20/2007

Sample ID#: 56927
Sample Type: Waste Water
Sampler: CLIENT Client
PWS ID: 1704306
PO #: 4500383601

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 1 LVOW composite 07-060)	17.5	mg/l	415.1	0001:0001	3	4/18/2007	10:00 AM	DNS
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 2 LVOW grab 07-062)	0.66	mg/l	418.1	0001:0001	0.5	4/13/2007	07:30 AM	LT

Comments: Total Petroleum Hydrocarbons results are for information only.

*/ * no. certification per
SJTL
5-01-07*

Results Certified by SJTL:

McPinnick 04-20-2007

ND = Not Detected
* = Out of Regulatory Range
** = Out of Client Range

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



South Jersey Testing Laboratory

1170 Karin Street Vineland, NJ 08350 Tel:856.690.8877 Fax:856.690.8837 email:sjtestinglab@comcast.net
N.J. DEP Cen No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038
Sample Date: 4/3/2007 8:30 AM
Receipt Date: 4/4/2007 2:25 PM
Report Date: 4/10/2007

Sample ID#: 56901
Sample Type: Waste Water
Sampler: CLIENT Client
PWS ID: 1704306
PO #: 4500383601

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 2 07-046 River)	ND	mg/l	415.1	0001:0001	3	4/5/2007	08:20 AM	WW
Total Organic Carbon (Btl# 3 Cooling Tower Blow Down)	ND	mg/l	415.1	0001:0001	3	4/5/2007	08:20 AM	WW
Inorganic Compounds								
* Total Petroleum Hydrocarbons (Btl# 1 07-044 LVOW (grab))	ND	mg/l	418.1	0001:0001	0.5	4/9/2007	07:30 AM	LT

* no certification per SJTL P.
5-01-07

Results Certified by SJTL:

AP Pennick 04-10-2007

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.

ND - Not Detected
* - Out of Regulatory Range
** = Out of Client Range

Attachment “B”

State of New Jersey
Department of Environmental Protection



Certifies That

QC Inc.

Laboratory Certification ID# PA166

having duly met the requirements of the
Regulations Governing The Certification Of
Laboratories And Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the standard approved by the
National Environmental Laboratory Accreditation Conference

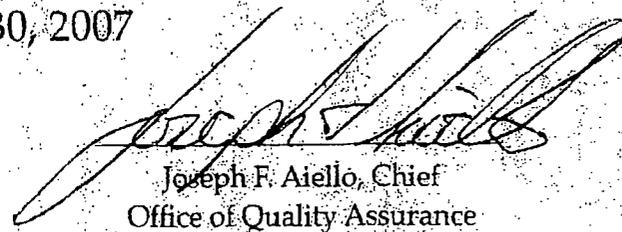
is hereby approved as a

Nationally Accredited Environmental Laboratory
to perform the analyses as indicated on the Annual Certified Parameter List
which must accompany this certificate to be valid

Expiration Date June 30, 2007



NJDEP is a NELAP Recognized Accrediting Authority.


Joseph F. Aiello, Chief
Office of Quality Assurance

THIS CERTIFICATE IS TO BE CONSPICUOUSLY DISPLAYED AT THE LABORATORY WITH THE ANNUAL CERTIFIED PARAMETER LIST IN A LOCATION ON THE PREMISES VISIBLE TO THE PUBLIC

New Jersey Department of Environmental Protection
National Environmental Laboratory Accreditation Program
ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS
Effective as of 08/10/2006 until 06/30/2007



Laboratory Name: QC INC Laboratory Number: PA166 Activity ID: NLC060003
1205 INDUSTRIAL HWY
SOUTHAMPTON, PA 18966

Category: WPP02 – Inorganic Parameters, Nutrients and Dema

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	PA	WPP02.16000	NPW	Manual Distillation, Titrimetr/Spectro	[SM 4500-CN C,G]	Cyanide - amenable to Cl2
Certified	Yes	PA	WPP02.16500	NPW	Distillation + Electrode, Manual	[SM 4500-F B, C]	Fluoride
Certified	Yes	PA	WPP02.18100	NPW	Ion Chromatography	[EPA 300.0]	Fluoride
Applied	No	PA	WPP02.19000	NPW	Titrimetric, EDTA	[EPA 130.2]	Hardness - total as CaCO3
Certified	Yes	PA	WPP02.20100	NPW	Ca + Mg Carbonates, ICP	[EPA 200.7]	Hardness - total as CaCO3
Certified	Yes	PA	WPP02.22500	NPW	Digestion, Distillation, Semiautomated Digestor	[EPA 351.2]	Kjeldahl nitrogen - total
Certified	Yes	PA	WPP02.23000	NPW	Digestion, Distillation, Potentiometric	[EPA 351.4]	Kjeldahl nitrogen - total
Certified	Yes	PA	WPP02.24000	NPW	Digestion, ICP	[EPA 200.7]	Magnesium
Applied	No	PA	WPP02.24050	NPW	ICP/MS	[EPA 200.8]	Magnesium
Certified	Yes	PA	WPP02.26100	NPW	Ion Chromatography	[EPA 300.0]	Nitrate
Certified	Yes	PA	WPP02.27000	NPW	Cadmium Reduction, Automated	[SM 4500-NO3 F]	Nitrate - nitrite
Certified	Yes	PA	WPP02.28000	NPW	Spectrophotometric, Manual	[SM 4500-NO2 B]	Nitrite
Certified	Yes	PA	WPP02.28600	NPW	Ion Chromatography	[EPA 300.0]	Nitrite
Certified	Yes	PA	WPP02.29000	NPW	Gravimetric	[EPA 413.1]	Oil & grease - total recov
Certified	Yes	PA	WPP02.29150	NPW	Gravimetric, Hexane Extractable Material-SPE	[EPA 1664A]	Oil & grease - hem-SPE
Certified	Yes	PA	WPP02.29250	NPW	Gravimetric, Silica Gel Treated-Hem-SPE	[EPA 1664A]	Oil & grease - non polar
Certified	Yes	PA	WPP02.29260	NPW	Spectrophotometric, Infrared	[EPA 418.1]	Total rec. petroleum hydrocarbons
Certified	Yes	PA	WPP02.30000	NPW	Combustion or Oxidation	[EPA 415.1]	Total organic carbon (TOC)
Certified	Yes	PA	WPP02.30500	NPW	Total Kjeldahl-N Minus Ammonia-N	[EPA 351.1,.2, .3,.4 - 350.1 .2 .3]	Organic nitrogen
Certified	Yes	PA	WPP02.31500	NPW	Ascorbic Acid, Manual Single Reagent	[SM 4500-P, E]	Orthophosphate
Certified	Yes	PA	WPP02.32100	NPW	Ion Chromatography	[EPA 300.0]	Orthophosphate
Certified	Yes	PA	WPP02.32500	NPW	Manual Distillation, Colorimetric 4AAP	[EPA 420.1]	Phenols
Certified	Yes	PA	WPP02.34000	NPW	Persulfate Digestion + Manual	[EPA 365.2]	Phosphorus (total)
Certified	Yes	PA	WPP02.35000	NPW	Auto Ascorbic Acid Reduction	[EPA 365.1]	Phosphorus (total)
Certified	Yes	PA	WPP02.36500	NPW	Digestion, ICP	[EPA 200.7]	Potassium
Applied	No	PA	WPP02.36550	NPW	ICP/MS	[EPA 200.8]	Potassium
Certified	Yes	PA	WPP02.38000	NPW	Gravimetric, 103-105 Degrees C	[SM 2540 B]	Residue - total
Certified	Yes	PA	WPP02.38500	NPW	Gravimetric, 180 Degrees C	[SM 2540 C]	Residue - filterable (TDS)
Certified	Yes	PA	WPP02.39000	NPW	Gravimetric, 103-105 Degrees C, Post Washing	[SM 2540 D]	Residue - nonfilterable (TSS)
Certified	Yes	PA	WPP02.39500	NPW	Volumetric (Imhoff Cone) or Gravimetric	[EPA 160.5]	Residue - settleable
Certified	Yes	PA	WPP02.40000	NPW	Gravimetric, 550 Degrees C	[EPA 160.4]	Residue - volatile
Certified	Yes	PA	WPP02.40100	NPW	Gravimetric, 500 Degrees C	[SM 2540 G]	Total, fixed, and volatile solids (SQAR)

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

Attachment "C"



South Jersey Testing Laboratory

1170 Karin Street Vineland, NJ 08360 Tel:856.690.8877 Fax:856.690.8837 email:sjtestinglab@comcast.net
N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038
Sample Date: 3/6/2007 9:00 AM
Receipt Date: 3/7/2007 12:20 PM
Report Date: 3/12/2007

Sample ID#: 56573
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500383601

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 2 HCH-SN-07-029 River)	8.2	mg/l	415.1	0001:0001	3	3/8/2007	08:30 AM	WW
Total Organic Carbon (Btl# 3 HCH-SN-07-030 Cooling Tower)	10.2	mg/l	415.1	0001:0001	3	3/8/2007	08:30 AM	WW
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-07-031 LVOW (Grab))	ND	mg/l	418.1	0001:0001	0.5	3/12/2007	07:35 AM	LT

Results Certified by SJTL:

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.

ND = Not Detected
* = Out of Regulatory Range
** = Out of Client Range



South Jersey Testing Laboratory

1170 Karin Street Vineland, NJ 08380 Tel:856.690.8877 Fax:856.690.8837 email:sjtestinglab@comcast.net
N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038
Sample Date: 3/14/2007 8:38 AM
Receipt Date: 3/14/2007 12:45 PM
Report Date: 3/22/2007

Sample ID#: 56651
Sample Type: Waste Water
Sampler: CLIENT Client
PWS ID: 1704306
PO #: 4500383601

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical Total Organic Carbon (Btl# 2 LVOW 07-039)	11.7	mg/l	415.1	0001:0001	3	3/15/2007	11:00 AM	WW
Inorganic Compounds Total Petroleum Hydrocarbons (Btl# 3 LVOW 07-038)	0.85	mg/l	418.1	0001:0001	0.5	3/19/2007	07:30 AM	LT
Physical Total Dissolved Solids (TDS) (Btl# I Cooling Tower 07-040)	7032	mg/l	160.1	0001:0001	10	3/16/2007	10:00 AM	DNS

Results Certified by SJTL:

M. Pennick 03-22-2007

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Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



South Jersey Testing Laboratory

1170 Karin Street Vineland, NJ 08360 Tel:856.690.8877 Fax:856.690.8837 email:sjtestinglab@comcast.net
N.J. DEP Cert. No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MCH15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 56700
Sample Type: Waste Water
Sampler: CLIENT Lab Approved Sampler
PWS ID: 1704306
PO #: 4500383601

Sample Date: 3/21/2007 8:53 AM
Receipt Date: 3/21/2007 2:00 PM
Report Date: 4/2/2007

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 2 LVOW grab 07-041)	ND	mg/l	418.1	0001:0001	0.5	3/23/2007	07:30 AM	LT
Physical								
Total Dissolved Solids (TDS) (Btl# 1 Cooling Tower 07-042)	2880	mg/l	160.1	0001:0001	10	3/22/2007	12:00 PM	DNS

Comments: Total Petroleum Hydrocarbons is for information only.

ND = Not Detected
* = Out of Regulatory Range
** = Out of Client Range

Results Certified by SJTL:

A. R. Penick 04-02-2007

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



South Jersey Testing Laboratory

1170 Karin Street Vineland, NJ 08360 Tel:856.690.8877 Fax:856.690.8837 email:sjtestinglab@comcast.net
N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 56453
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500383601

Sample Start Date: 2/20/2007 9:50 AM
Sample End Date: 2/21/2007 9:50 AM
Receipt Date: 2/21/2007 3:25 PM
Report Date: 3/1/2007

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Inorganic Compounds								
Total Petroleum Hydrocarbons (Bt# 2 HCH-SN-07-026 LVOW (GRAB))	ND	mg/l	418.1	0001:0001	0.5	2/26/2007	07:30 AM	LT
Physical								
Total Dissolved Solids (TDS) (Bt# 1 HCH-SN-07-022 Cooling Tower)	10916	mg/l	160.1	0001:0001	10	2/23/2007	09:30 AM	DNS

027

ND = Not Detected
* = Out of Regulatory Range
** = Out of Client Range

Results Certified by SJTL:

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results



South Jersey Testing Laboratory

1170 Karin Street Vineland, NJ 08360 Tel:856.690.8877 Fax:856.690.8837 email:sjtestinglab@comcast.net
N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 56395
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Date: 2/13/2007 2:50 PM
Receipt Date: 2/14/2007 1:50 PM
Report Date: 2/22/2007

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical Total Organic Carbon (Btl# 1 HCH-SN-07-025)	14.3	mg/l	415.1	0001:0001	3	2/21/2007	11:00 AM	WW
Inorganic Compounds Total Petroleum Hydrocarbons (Btl# 2 HCH-SN-07-023)	ND	mg/l	418.1	0001:0001	0.5	2/16/2007	07:25 AM	LT
Physical Total Dissolved Solids (TDS) (Btl# 3HCH-SN-07-024)	13368	mg/l	160.1	0001:0001	10	2/19/2007	09:30 AM	DNS

024

not ID 07-024

ND = Not Detected * = Out of Regulatory Range ** = Out of Client Range
--

Results Certified by SJTL:

AM Pennick 02-23-07



South Jersey Testing Laboratory

1170 Karin Street Vineland, NJ 08360 Tel:856.690.8877 Fax:856.690.8837 email:sjtestinglab@comcast.net
N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 55848
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Date: 1/2/2007 8:38 AM
Receipt Date: 1/3/2007 1:30 PM
Report Date: 1/10/2007

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 1 HCl1-SN-07-001 River 01/02/07 08:38)	7.8	mg/l	415.1	0001:0001	3	1/4/2007	08:10 AM	WW
Total Organic Carbon (Btl# 3 HCl1-SN-07-003 Cooling Tower Blow Down 01/02/07 13:39)	6.7	mg/l	415.1	0001:0001	3	1/4/2007	08:10 AM	WW
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 2 HCl1-SN-07-002 LYOW (GRAB) 01/02/07 08:59)	ND	mg/l	418.1	0001:0001	0.5	1/5/2007	08:15 AM	LT

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Results Certified by SJTL:

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



South Jersey Testing Laboratory

1170 Karin Street Vineland, NJ 08360 Tel:856.690.8877 Fax:856.690.8837 email:sjtestinglab@comcast.net
N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MCH15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 55991
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Start Date: 1/9/2007 10:55 AM
Sample End Date: 1/10/2007 10:55 AM
Receipt Date: 1/10/2007 2:00 PM
Report Date: 1/24/2007

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 2 HCH-SN-07-008 LVOW COMPOSITE 01/09/07 10:55)	8	mg/l	415.1	0001:0001	3	1/18/2007	11:25 AM	WW
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-07-007 LVOW GRAB 01/09/07 10:52)	ND	mg/l	418.1	0001:0001	0.5	1/12/2007	07:35 AM	JT
Physical								
Total Dissolved Solids (TDS) (Btl# 3 HCH-SN-07-009 COOLING TOWER 01/10/07 09:25)	596	mg/l	160.1	0001:0001	10	1/15/2007	09:00 AM	ARP

Results Certified by SJTL:

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Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



South Jersey Testing Laboratory

1170 Karin Street Vineland, NJ 08360 Tel:856.690.8877 Fax:856.690.8837 email:sjtestinglab@comcast.net
N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 55614
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Date: 12/5/2006 9:00 AM
Receipt Date: 12/6/2006 3:00 PM
Report Date: 12/11/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 2 HCH-SN-06-215 COOLING TOWER BLOW DOWN 12/5/06 02:00)	10	mg/l	415.1	0001:0001	3	12/8/2006	12:30 PM	WW
Total Organic Carbon (Btl# 3 HCH-SN-06-214 RIVER 12/05/06 09:00)	ND	mg/l	415.1	0001:0001	3	12/8/2006	12:30 PM	WW
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-06-213 LVOW GRAB 12/5/06 09:12)	ND	mg/l	418.1	0001:0001	0.5	12/8/2006	08:15 AM	LT

ND = Not Detected
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Results Certified by SITI:

AM Pennick 12-11-2006

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



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N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038
Sample Date: 12/12/2006 8:06 AM
Receipt Date: 12/12/2006 3:00 PM
Report Date: 1/3/2007

Sample ID#: 55708
Sample Type: Waste Water
Sample Source: LVOW GRAB
Sampler: CLIENT Client
PO #: 4500285530

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-06-225)	ND	mg/l	418.1	0001:0001	0.5	12/15/2006	10:55 AM	LT

ND = Not Detected
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Results Certified by SJTL:

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



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N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 55306
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Date: 11/8/2006 8:50 AM
Receipt Date: 11/8/2006 3:45 PM
Report Date: 11/17/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 2 HCH-SN-06-204 RIVER 11/08/06 08:50)	8.5	mg/l	415.1	0001:0001	3	11/16/2006	02:30 PM	ARP
Total Organic Carbon (Btl# 3 HCH-SN-06-206 COOLING TOWER BLOW DOWN 11/08/06 13:50)	6.0	mg/l	415.1	0001:0001	3	11/16/2006	02:30 PM	ARP
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-06-205 LVOW GRAB 11/08/06 09:23)	ND	mg/l	418.1	0001:0001	0.5	11/13/2006	08:00 AM	LT

ND = Not Detected
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Results Certified by SJTL:

M. Pennick 11-17-2006

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N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 55388
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Date: 11/14/2006 8:49 AM
Receipt Date: 11/15/2006 3:15 PM
Report Date: 11/21/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 2 ICH-SN-06-209 LVOW Composite)	ND	mg/l	415.1	0001:0001	3	11/20/2006	08:30 AM	WW
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-06-208 LVOW grab 11/14/06 08:49)	ND	mg/l	418.1	0001:0001	0.5	11/20/2006	10:30 AM	LT

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 54825
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Date: 10/3/2006 9:07 AM
Receipt Date: 10/4/2006 2:30 PM
Report Date: 10/10/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 2 HCH-SN-06-141 10/03/06 09:07 RIVER)	7	mg/l	415.1	0001:0001	3	10/5/2006	02:29 PM	WW
Total Organic Carbon (Btl# 3 HCH-SN-06-142 COOLING TOWER BLOW DOWN 10/03/06 1420)	7	mg/l	415.1	0001:0001	3	10/5/2006	02:29 PM	WW
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-06-140 L.VOW GRAB 10/03/06 0940)	1.74	mg/l	418.1	0001:0001	0.5	10/6/2006	07:15 AM	LT

Results Certified by SJTL:

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N.J. DEP Cert No. 06431

Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 54907
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Start Date: 10/10/2006 7:54 AM
Sample End Date: 10/11/2006 7:54 AM
Receipt Date: 10/11/2006 3:50 PM
Report Date: 10/19/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical Total Organic Carbon (Btl# 1 HCH-SN-06-150 LVOW COMP. 10/10/06 09:07)	5	mg/l	415.1	0001:0001	3	10/17/2006	02:41 PM	WW
Inorganic Compounds Total Petroleum Hydrocarbons (Btl# 2 HCH-SN-06-149 LVOW GRAB 10/10/06 07:54)	1.0	mg/l	418.1	0001:0001	0.5	10/16/2006	07:15 AM	LT
Physical Total Dissolved Solids (TDS) (Btl# 3 HCH-SN-06-151 COOLING TOWER 10/11/06 08:00)	11084	mg/l	160.1	0001:0001	10	10/17/2006	11:10 AM	WA

ND = Not Detected
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Results Certified by SJTL:

M. Pennick 10/19/2006

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 54388
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Date: 9/5/2006 8:40 AM
Receipt Date: 9/6/2006 2:00 PM
Report Date: 9/15/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 1 HCH-SN-06-126 RIVER 09/05/06 08:40)	ND	mg/l	415.1	0001:0001	3	9/8/2006	08:15 AM	QC
Total Organic Carbon (Btl# 2 HCH-SN-06-128 COOLING TOWER BLOW DOWN 09/05/06 01:40)	ND	mg/l	415.1	0001:0001	3	9/8/2006	08:15 AM	QC
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 3 HCH-SN-06-127 LVOW GRAB 09/05/06 09:50)	ND	mg/l	418.1	0001:0001	0.5	9/12/2006	07:10 AM	LT

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 54512
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Start Date: 9/12/2006 8:25 AM
Sample End Date: 9/13/2006 8:25 AM
Receipt Date: 9/13/2006 2:30 PM
Report Date: 9/19/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical Total Organic Carbon (Btl# 2 HCH-SN-06-136 LVOW COMP 09/12/06 09:30)	7.81	mg/l	415.1	0001:0001	1	9/17/2006	01:50 PM	QC
Inorganic Compounds Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-06-135 LVOW GRAB 09/12/06 08:25)	0.64	mg/l	418.1	0001:0001	0.5	9/16/2006	09:00 AM	LT
Physical Total Dissolved Solids (TDS) (Btl# 3 HCH-SN-06-137 COOLING TOWER 09/13/06 07:58)	11320	mg/l	160.1	0001:0001	10	9/14/2006	01:00 PM	WA

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 53880
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Date: 8/1/2006 9:00 AM
Receipt Date: 8/1/2006 2:30 PM
Report Date: 8/9/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 2 HCH-SN-06-111 RIVER 08/01/06 09:00)	6.5	mg/l	415.1	0001:0001	3.5	8/4/2006	10:00 AM	AS
Total Organic Carbon (Btl# 3 HCH-SN-06-113 COOLING TOWER BLOW DOWN 08/01/06 14:00)	6.5	mg/l	415.1	0001:0001	3.5	8/4/2006	10:00 AM	AS
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-06-112 L.VOW GRAB 08/01/06 09:15)	ND	mg/l	418.1	0001:0001	0.5	8/7/2006	07:10 AM	LT

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 54024
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Date: 8/9/2006 8:55 AM
Receipt Date: 8/9/2006 3:15 PM
Report Date: 9/12/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical Total Organic Carbon (Btl# 2 HCH-SN-06-121 08/09/06 08:55)	8	mg/l	415.1	0001:0001	3.5	8/10/2006	10:00 AM	AS
Inorganic Compounds Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-06-120 08/09/06 08:55)	ND	mg/l	418.1	0001:0001	0.5	8/14/2006	07:00 AM	LT

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Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 53327
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Date: 7/5/2006 9:00 AM

Receipt Date: 7/5/2006 3:15 PM

Report Date: 7/14/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 1 HCH-SN-06-099 COOLING TOWER BLOW DOWN 07/05/06 14:00)	6.5	mg/l	415.1	0001:0001	3.5	7/12/2006	02:00 PM	AS
Total Organic Carbon (Btl# 2 HCH-SN-06-098 RIVER 07/05/06 08:00)	4.5	mg/l	415.1	0001:0001	3.5	7/12/2006	02:00 PM	AS
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 3 HCH-SN-06-097 LVOW (GRAB) 07/05/06 09:20)	ND	mg/l	418.1	0001:0001	0.5	7/10/2006	09:00 AM	LT

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 53442
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Date: 7/11/2006 9:55 AM
Receipt Date: 7/12/2006 2:30 PM
Report Date: 7/20/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical Total Organic Carbon (Btl# 1 HCH-SN-06-106 LVOW Composite 07/11/06 09:55)	5.5	mg/l	415.1	0001:0001	3.5	7/17/2006	01:00 PM	AS
Inorganic Compounds Total Petroleum Hydrocarbons (Btl# 2 HCH-SN-06-107 LVOW GRAB 07/11/06 10:00)	ND	mg/l	418.1	0001:0001	0.5	7/17/2006	02:30 PM	LT

Results Certified by S.J.T.L.

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South Jersey Testing Laboratory

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 52908
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Date: 6/6/2006 8:36 AM
Receipt Date: 6/6/2006 2:30 PM
Report Date: 6/19/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 1 HCH-SN-06-071 RIVER 06/06/06 08:36)	6.5	mg/l	415.1	0001:0001	3.5	6/14/2006	10:00 AM	AS
Total Organic Carbon (Btl# 3 HCH-SN-06-072 COLLING TOWER BLOW DOWN 06/06/06 08:47)	5.0	mg/l	415.1	0001:0001	3.5	6/14/2006	10:00 AM	AS
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 2 HCH-SN-06-073 LVOW 06/06/06 14:22)	ND	mg/l	418.1	0001:0001	0.5	6/12/2006	07:30 AM	LT

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 53021
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Date: 6/13/2006 9:11 AM
Receipt Date: 6/14/2006 3:50 PM
Report Date: 6/21/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 1 HCH-SN-06-090 RIVER 06/13/06 09:11)	4.0	mg/l	415.1	0001:0001	3.5	6/20/2006	09:00 AM	AS
Total Organic Carbon (Btl# 2 HCH-SN-06-091 COOLING TOWER BLOW DOWN 06/13/06 14:14)	6.5	mg/l	415.1	0001:0001	3.5	6/20/2006	09:00 AM	AS
Total Organic Carbon (Btl# 4 HCH-SN-06-093 LVOW COMPOSITE 06/13/0614:05)	7.5	mg/l	415.1	0001:0001	3.5	6/20/2006	09:00 AM	AS
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 3 HCH-SN-06-092 LVOW GRAB 06/13/0614:02)	ND	mg/l	418.1	0001:0001	0.5	6/19/2006	01:45 PM	LT

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 52429
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Date: 5/2/2006 7:15 AM
Receipt Date: 5/3/2006 2:00 PM
Report Date: 5/10/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Bl# 1 HCH-SN-06-056 RIVER 05/02/06 07:15)	4.0	mg/l	415.1	0001:0001	3.5	5/8/2006	09:00 AM	AS
Total Organic Carbon (Bl# 2 HCH-SN-06-058 COOLING TOWER BLOW DOWN 05/02/06 12:30)	ND	mg/l	415.1	0001:0001	3.5	5/8/2006	09:00 AM	AS
Inorganic Compounds								
Total Petroleum Hydrocarbons (Bl# 3 HCH-SN-06-057 LVOW GRAB 05/02/06 08:15)	ND	mg/l	418.1	0001:0001	0.5	5/8/2006	07:00 AM	LT

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 52504
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Date: 5/9/2006 9:40 AM
Receipt Date: 5/10/2006 1:00 PM
Report Date: 5/16/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 1 HCl1-SN-06-065 L.VOW (composite))	5.5	mg/l	415.1	0001:0001	3.5	5/15/2006	09:45 AM	AS
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 2 HCH-SN-06-066 L.VOW grab 05/09/06 09:45)	ND	mg/l	418.1	0001:0001	0.5	5/15/2006	09:40 AM	LT

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Results Certified by SJTL

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038
Sample Date: 4/4/2006 8:40 AM
Receipt Date: 4/5/2006 3:15 PM
Report Date: 4/12/2006

Sample ID#: 52036
Sample Type: Waste Water
Sampler: CLIENT Client

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 1 HCH-SN-06-044 04/04/06 08:40 RIVER)	ND	mg/l	415.1	0001:0001	3.5	4/10/2006	06:00 AM	AS
Total Organic Carbon (Btl# 2 HCH-SN-06-047 COOLING TOWER BLOW DOWN 04/04/06 14:00)	9.5	mg/l	415.1	0001:0001	3.5	4/10/2006	06:00 AM	AS
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 3 HCH-SN-06-046 1.VOW GRAB 04/04/06 10:30)	0.54	mg/l	418.1	0001:0001	0.5	4/11/2006	07:30 AM	LT

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Pinsett
Hancock's Bridge, NJ 08038

Sample ID#: 52138
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Date: 4/11/2006 8:50 AM
Receipt Date: 4/11/2006 10:00 AM
Report Date: 4/18/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 2 HCH-SN-06-054 L.VOW (composite) 04/11/06 08:50)	4.5	mg/l	415.1	0001:0001	3.5	4/17/2006	09:00 AM	AS
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-06-055 L.VOW (Grab) 04/11/06 09:00)	0.84	mg/l	418.1	0001:0001	0.5	4/18/2006	07:15 AM	LT

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 51678
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Date: 3/7/2006 8:38 AM
Receipt Date: 3/8/2006 2:15 PM
Report Date: 3/16/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Chemical								
Total Organic Carbon (Btl# 1 HCH-SN-06-037 03/07/06 14:15 COOLING TOWER BLOW DOWN)	8.5	mg/l	415.1	0001:0001	3.5	3/14/2006	01:30 PM	AS
Total Organic Carbon (Btl# 3 HCH-SN-06-035 RIVER 03/07/06 08:52)	5.0	mg/l	415.1	0001:0001	3.5	3/14/2006	01:30 PM	AS
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 2 HCH-SN-06-036 LVOW GRAB 03/07/06 08:38)	ND	mg/l	418.1	0001:0001	0.5	3/13/2006	08:30 AM	LT

Results Certified by SJTL:

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* = Out of Regulatory Range
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Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



South Jersey Testing Laboratory

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 51782
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Start Date: 3/14/2006 1:27 PM

Sample End Date: 3/15/2006 1:27 PM

Receipt Date: 3/15/2006 2:10 PM

Report Date: 3/23/2006

Parameter	Sample Result	Units	Method	Dilution	Calc MDL	Analysis Date	Analysis Time	Analyst
Inorganic Compounds								
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-06-039 LVOW (grab))	ND	mg/l	418.1	0001:0001	0.5	3/21/2006	08:40 AM	LT
Physical								
Total Dissolved Solids (TDS) (Btl# 2 HCH-SN-06-040 COOLING TOWER 03/15/06 08:22)	6568	mg/l	160.1	0001:0001	10	3/16/2006	10:30 AM	WA

Results Certified by SJTL

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** = Out of Client Range



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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 51366
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Date: 2/8/2006 9:48 AM
Receipt Date: 2/8/2006 2:00 PM
Report Date: 2/22/2006

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 2 HCH-SN-06-21 RIVER 02/07/06 08:39)	3.5	mg/l	415.1	3.5	2/21/2006	04:08 PM	AS
Total Organic Carbon (Btl# 4 HCH-SN-06-023 COOLING TOWER BLOW DOWN 02/07/06 13:40)	4.0	mg/l	415.1	3.5	2/21/2006	04:08 PM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 3 HCH-SN-06-22 LVOW GRAB 02/07/06 08:25)	1.0	mg/l	418.1	0.5	2/14/2006	07:15 AM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 1 HCH-SN-06-024 COOLING TOWER 02/08/06 09:48)	1148	mg/l	160.1	10	2/9/2006	02:30 PM	WA

ND = Not Detected
* = Out of Regulatory Range
** = Out of Client Range

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 51462
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Start Date: 2/14/2006 2:20 PM
Sample End Date: 2/15/2006 2:20 PM
Receipt Date: 2/15/2006 2:30 PM
Report Date: 2/22/2006

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 2 HCH-SN-06-025 LVOW COMPOSITE 02/14/06 14:20)	ND	mg/l	415.1	3.5	2/21/2006	04:08 PM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 3 HCH-SN-06-026 LVOW GRAB 02/14/06 14:25)	1.31	mg/l	418.1	0.5	2/20/2006	07:30 AM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 1 HCH-SN-06 COOLING TOWER 02/15/06 09:45)	4620	mg/l	160.1	10	2/16/2006	10:30 AM	WA

Results Certified by SJTL

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038
Sample Date: 1/4/2006 9:18 AM
Receipt Date: 1/4/2006 2:30 PM
Report Date: 1/12/2006

Sample ID#: 50864
Sample Type: Waste Water
Sampler: CLIENT Client

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 2 HCH-SN-06-001 RIVER 01/03/06 08:20)	3.5	mg/l	415.1	3.5	1/9/2006	09:45 AM	AS
Total Organic Carbon (Btl# 3 HCH-SN-06-003 COOLING TOWER BLOW DOWN 01/03/06 13:46)	9.5	mg/l	415.1	3.5	1/9/2006	09:45 AM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 4 HCH-SN-06-002 I.VOW GRAB 01/03/06 08:33)	ND	mg/l	418.1	0.5	1/6/2006	10:00 AM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 1 HCH-SN-06-009 COOLING TOWER 01/04/06 09:18)	4796	mg/l	160.1	10	1/5/2006	12:45 PM	WA

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Results Certified by SJTL

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** = Out of Client Range



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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038
Sample Date: 1/10/2006 9:12 AM
Receipt Date: 1/10/2006 2:40 PM
Report Date: 1/19/2006

Sample ID#: 50984
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 1 HCH-SN-06-010 L.VOW COMPOSITE 1/10/06 09:12)	ND	mg/l	415.1	3.5	1/18/2006	09:30 AM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 2 HCH-SN-06-011 L.VOW GAB 01/10/06 09:17)	0.52	mg/l	418.1	0.5	1/16/2006	08:00 AM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 3 HCH-SN-06-012 COOLING TOWER 01/11/06 08:17)	2272	mg/l	160.1	10	1-12-06	12:50 PM	WA

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Results Certified by SJTL:

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.

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** = Out of Client Range



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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample Date: 12/13/2005 8:35 AM
Receipt Date: 12/14/2005 1:30 PM
Report Date: 12/21/2005

Sample ID#: 50735
Sample Type: Waste Water
Sampler: CLIENT:Client
PO #: 4500285530

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical: Total Organic Carbon (Btl# 2 HCH-SN-05-194 LVOW (composite) 12/13/05 0835)	2.0	mg/l	415.1	1	12/15/2005	02:40 PM	AS
Inorganic Compounds Total Petroleum Hydrocarbons (Btl# 3 HCH-SN-05-195 LVOW (grab) 12/13/05 08:35)	ND	mg/l	418.1	0.5	12/20/2005	07:15 AM	LT
Physical Total Dissolved Solids (TDS) (Btl# 1 HCH-SN-05-196 Cooling Tower 12/14/05 07:38)	5120	mg/l	160.1	10	12/15/2005	08:58 AM	WA

ND - Not Detected
* = Out of Regulatory Range
** = Out of Client Range

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038
Sample Date: 12/7/2005 7:47 AM
Receipt Date: 12/7/2005 2:45 PM
Report Date: 12/19/2005

Sample ID#: 50663
Sample Type: Waste Water
Sampler: CLIENT Client

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 2 HCH-SN-05-185 River 12/06/05 08:45)	4.5	mg/l	415.1	1	12/15/2005	02:40 PM	AS
Total Organic Carbon (Btl# 3 HCH-SN-05-187 Cooling tower blow down 12/06/05 1330)	3.0	mg/l	415.1	1	12/15/2005	02:40 PM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 4 HCH-SN-05-186 LVOW GRAB 12/06/05 0850)	0.63	mg/l	418.1	0.5	12/8/2005	01:30 PM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 1 HCH-SN-05-188 Cooling Tower 12/07/05 0747)	2884	mg/l	160.1	10	12/8/2005	07:30 AM	WA

Results Certified by SJTL:

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.

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** = Out of Client Range



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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 50263
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Start Date: 11/1/2005 8:05 AM
Sample End Date: 11/2/2005 8:05 AM
Receipt Date: 11/2/2005 2:45 PM
Report Date: 11/9/2005

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 2 HCH-SN-05-171 RIVER 11/01/05 09:30)	10.5	mg/l	415.1	1	11/8/2005	10:00 AM	AS
Total Organic Carbon (Btl# 3 HCH-SN-05-172 COOLING TOWER BLOW DOWN 11/01/05 14:30)	8.5	mg/l	415.1	1	11/8/2005	10:00 AM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-05-170 LVOW (grab) 11/01/05 08:05)	0.78	mg/l	418.1	0.5	11/8/2005	07:30 AM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 4 HCH-SN-05-173 COOLING TOWER 11/02/05 07:48)	7464	mg/l	160.1	10	11/3/2005	11:15 AM	WA

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Scott Poinsett
Hancock's Bridge, NJ 08038

Sample ID#: 50445
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500285530

Sample Start Date: 11/15/2005 8:05 AM
Sample End Date: 11/16/2005 8:05 AM
Receipt Date: 11/16/2005 2:30 PM
Report Date: 12/1/2005

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 2 HCH-SN-05-181 LVOW COMPOSITE 11/15/05 08:10)	4.5	mg/l	415.1		11/23/2005	09:15 AM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 3 HCH-SN-05-180 LVOW GRAB 11/15/05 08:05)	ND	mg/l	418.1	0.5	11/18/2005	09:00 AM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 1 HCH-SN-05-182 COOLING TOWER 11/16/05 08:15)	7228	mg/l	160.1	10	11/17/2005	12:00 PM	WA

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Dominick Sassi/ Jeff Serfass
Hancock's Bridge, NJ 08038

Sample ID#: 49874
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Start Date: 10/4/2005 12:00 AM
Sample End Date: 10/5/2005 12:00 AM
Receipt Date: 10/5/2005 2:40 PM
Report Date: 10/11/2005

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 2 HCH-SN-05-157 RIVER 10/05/05 07:11)	4.5	mg/l	415.1	1	10/6/2005	10:00 AM	AS
Total Organic Carbon (Btl# 4 HCH-SN-05-163 COOLING TOWER BLOW DOWN)	12.0	mg/l	415.1	1	10/6/2005	10:00 AM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 3 HCH-SN-05-154 LVOW grab 10/04/05)	ND	mg/l	418.1	0.5	10/10/2005	07:30 AM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 1 HCH-SN-05-164 COLLING TOWER 10/05/05 09:55)	12620	mg/l	160.1	10	10/7/2005	11:00 AM	WA

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Dominick Sassi/ Jeff Serfass
Hancock's Bridge, NJ 08038

Sample ID#: 49970
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500231843

Sample Date: 10/11/2005 9:39 AM
Receipt Date: 10/12/2005 2:00 PM
Report Date: 10/19/2005

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical Total Organic Carbon (Btl# 3 HCH-SN-05-165 LVOW Composite 10/11/05 10:40)	3.5	mg/l	415.1	1	10/14/2005	11:00 AM	AS
Inorganic Compounds Total Petroleum Hydrocarbons (Btl# 2 HCH-SN-05-166 10/11/05 12:55)	1.12	mg/l	418.1	0.5	10/18/2005	07:15 AM	LT
Physical Total Dissolved Solids (TDS) (Btl# 1 HCH-SN-05-167 Cooling Tower 10/11/05 09:39)	148	mg/l	160.1	10	10/17/2005	01:45 PM	WA

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Dominick Sassi/ Jeff Serfass
Hancock's Bridge, NJ 08038

Sample ID#: 49408
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Date: 9/6/2005 7:52 AM
Receipt Date: 9/7/2005 2:45 PM
Report Date: 9/14/2005

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 2 HCH-SN-05-141 RIVER 09/06/05 08:15)	4.5	mg/l	415.1	1	9/9/2005	10:00 AM	AS
Total Organic Carbon (Btl# 3 HCH-SN-05-144 COOLING TOWER BLOW DOWN 09/06/05 13:20)	6.5	mg/l	415.1	1	9/9/2005	10:00 AM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-05-140 LVOW GRAB 09/06/05 07:52)	ND	mg/l	418.1	0.5	9/12/2005	02:10 PM	LT

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Dominick Sassi/ Jeff Serfass
Hancock's Bridge, NJ 08038

Sample ID#: 49547
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500231843

Sample Start Date: 9/13/2005 10:00 AM
Sample End Date: 9/14/2005 10:00 AM
Receipt Date: 9/14/2005 3:00 PM
Report Date: 9/20/2005

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical Total Organic Carbon (Btl# 3 HCH-SN-05-150 LVOW (Composite))	9	mg/l	415.1	1	9/16/2005	11:00 AM	AS
Inorganic Compounds Total Petroleum Hydrocarbons (Btl# 2 HCH-SN-05-149 LVOW (grab) 09/13/05 10:00)	ND	mg/l	418.1	0.5	9/20/2005	07:00 AM	LT
Physical Total Dissolved Solids (TDS) (Btl# 1 HCH-SN-05-151 COOLING TOWER 09/14/05 09:13)	12896	mg/l	160.1	10	9/16/2005	01:30 PM	WA

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Dominick Sassi/ Jeff Serfass
Hancock's Bridge, NJ 08038

Sample ID#: 48885
Sample Type: Waste Water
Sampler: CLIENT Client

Sample Date: 8/2/2005 9:00 AM
Receipt Date: 8/3/2005 2:30 PM
Report Date: 8/10/2005

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 1 HCH-SN-05-126 RIVER 08/02/05 09:52)	2.5	mg/l	415.1	1	8/8/2005	11:33 AM	AS
Total Organic Carbon (Btl# 3 HCH-SN-05-127 COOLING TOWER BLOW DOWN 08/02/05 09:59)	4.0	mg/l	415.1	1	8/8/2005	11:33 AM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 4 HCH-SN-05-128 LVOW (GRAB) 08/02/05 10:25)	ND	mg/l	418.1	0.5	8/9/2005	07:30 AM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 2 HCH-SN-05-133 COOLING TOWER 08/03/05 08:26)	10760	mg/l	160.1	10	8/4/2005	10:15 AM	WA

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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Dominick Sassi/ Jeff Serfass
Hancock's Bridge, NJ 08038

Sample ID#: 49003
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500231843

Sample Start Date: 8/9/2005 11:40 AM
Sample End Date: 8/10/2005 11:40 AM
Receipt Date: 8/10/2005 3:00 PM
Report Date: 8/16/2005

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical Total Organic Carbon (Btl# 1 HCH-SN-05-134 08/09/05 11:40)	7.5	mg/l	415.1	1	8/11/2005	10:00 AM	AS
Inorganic Compounds Total Petroleum Hydrocarbons (Btl# 3)	ND	mg/l	418.1	0.5	8/15/2005	07:30 AM	LT
Physical Total Dissolved Solids (TDS) (Btl# 2 HCH-SN-05-136)	11924	mg/l	160.1	10	8/11/2005	11:15 AM	WA

Results Certified by SJTL:

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Certificate of Analysis

Name: PSE&G Hope Creek
 P.O. Box 236
 MC H15 Dominick Sassi/ Jeff Serfass
 Hancock's Bridge, NJ 08038

Sample ID#: 48677
 Sample Type: Waste Water
 Sampler: CLIENT Client
 PO #: 4500231843

Sample Start Date: 7/18/2005 10:45 AM
 Sample End Date: 7/20/2005 10:45 AM
 Receipt Date: 7/20/2005 3:30 PM
 Report Date: 7/26/2005

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 2 HCH-SN-05-123 LVOW grab 07/18/05 10:45)	1.06	mg/l	418.1	0.5	7/20/2005	03:45 PM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 1 HCH-SN-05-124 Cooling Tower 07/20/05 09:09)	312	mg/l	160.1	10	7/22/2005	11:30 AM	WA

Results Certified by SJTL:

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Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.



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Certificate of Analysis

Name: PSE&G Hope Creek
P.O. Box 236
MC H15 Dominick Sassi/ Jeff Serfass
Hancock's Bridge, NJ 08038

Sample ID#: 48363
Sample Type: Waste Water
Sampler: CLIENT Client
PO #: 4500231843

Sample Date: 7/5/2005 1:25 PM
Receipt Date: 7/6/2005 3:00 PM
Report Date: 7/12/2005

Parameter	Sample Result	Units	Method	RL	Analysis Date	Analysis Time	Analyst
Chemical							
Total Organic Carbon (Btl# 2 HCH-SN-05-111 Cooling Tower Blown Down)	8.5	mg/l	415.1	1	7/8/2005	01:00 PM	AS
Total Organic Carbon (Btl# 4 HCH-SN-05-109 River)	6.5	mg/l	415.1	1	7/8/2005	01:00 PM	AS
Inorganic Compounds							
Total Petroleum Hydrocarbons (Btl# 1 HCH-SN-05-110 LVOW(grab))	0.86	mg/l	418.1	0.5	7/12/2005	06:20 AM	LT
Physical							
Total Dissolved Solids (TDS) (Btl# 3 HCH-SN-05-116 Cooling Tower)	9772	mg/l	160.1	10	7/7/2005	11:45 AM	WA

Results Certified by SJTL:

ND = Not Detected
* = Out of Regulatory Range
** = Out of Client Range

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.