

10/8/08  
receivedAPPENDIX 5Suggested Form for Notice of Intent (NOI) for the Noncontact Cooling Water General Permit

1. General facility information. Please provide the following information about the facility.

a) Name of facility: <u>Simonds Industries</u>		Type of Business: <u>Manufacturing</u>
Facility Location Address: <u>135 Intervale Rd.</u> <u>Fitchburgs Ma. 01420</u> longitude: <u>71-34-24</u> latitude: <u>71-47-01</u>	Facility SIC codes: <u>3425</u>	Facility Mailing Address (if not location address)
b) Name of facility owner: <u>Simonds International</u>		Email address of owner: <u>JKelly@simondsint.com</u>
Owner's Tel #: <u>978-424-0236</u>	Owner is (check one): 1. Federal ___ 2. State ___ 3. Tribal ___	
Owner's Fax #: <u>978-424-9233</u>	4. Private <input checked="" type="checkbox"/> 4. Other ___ (Describe)	
Address of owner (if different from facility address)		
Legal name of Operator, if not owner: <u>Simonds International</u>		
Operator Contact Name: <u>Chuck Reitz</u>		
Operator Tel Number: <u>978 424 0233</u> Fax Number: <u>978 424 9233</u>		
Operator's email: <u>creitz@simondsint.com</u>		
Operator Address (if different from owner)		
d) Attach topographic map indicating the locations of the facility and the receiving water; all NCCW discharge points; upstream and downstream monitoring points. Map attached? <input checked="" type="checkbox"/>		
e) Check Yes or No for the following:		
1. Has a prior NPDES permit been granted for the discharge? Yes <input checked="" type="checkbox"/> No ___ If Yes, Permit Number: <u>MAG250022</u>		
2. Is the discharge a "new discharge" as defined by 40 CFR Section 122.22? Yes ___ No <input checked="" type="checkbox"/>		
3. Is the facility covered by an individual NPDES permit? Yes ___ No <input checked="" type="checkbox"/> If Yes, Permit Number ___		
4. Is there a pending application on file with EPA for this discharge? Yes ___ No <input checked="" type="checkbox"/> If Yes, date of submittal: ___		

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed)

a) Name of receiving water into which discharge will occur: NASHUA River  
 State Water Quality Classification: B, WWF, CSO Freshwater:  Marine Water:

b) Describe the discharge activities for which the owner/applicant is seeking coverage: Discharge of NCCW in 2 outfalls

c) FOR MASSACHUSETTS FACILITIES ONLY: Engineering Calculations: Submit the completed engineering calculation of the surface water temperature rise as shown in Attachment A of the General Permit. Check if attached:

d) Number of outfalls 2

For each outfall:

e) What is the maximum daily and average monthly flow of the discharge? Note that EPA will use the flow reported here as the facility's permitted effluent flow limit. Max Daily Flow 266 GPD Average Flow 171 GPD

f) What is the maximum daily and average monthly temperature of the discharge (in degrees F)? Max Temp. 76 Average Temp. 67.6

g) What is the maximum and minimum monthly pH of the discharge (in s.u.)? Max pH 7.1 Min pH 6.4

h) FOR MASSACHUSETTS FACILITIES ONLY: Is the source water of the NCCW potable water? Yes  No  If Yes, EPA will calculate the Total Residual Chlorine limit for facilities located in Massachusetts.

i) Is the discharge continuous? Yes  No  If no, is the discharge periodic (P) (occurs regularly, i.e., monthly or seasonally, but is not continuous all year) or intermittent (I) (occurs sometimes but not regularly) or both (B)   
 If (P), number of days or months per year of the discharge \_\_\_\_\_ and the specific months of discharge \_\_\_\_\_;  
 If (I), number of days/year there is a discharge \_\_\_\_\_

j) Latitude and longitude of each discharge within 100 feet: outfall 1: long. 42-34-24 lat. 71-47-01; outfall 2: long. 42-34-24 lat. 71-47-01;  
 outfall 3: long. \_\_\_\_\_ lat. \_\_\_\_\_ (See [http://www.epa.gov/tri/report/siting\\_tool](http://www.epa.gov/tri/report/siting_tool)) Outfalls w/in 100 feet of each other

k) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 8.95 cfs  
 Please attach any calculation sheets used to support stream flow and dilution calculations. See General Permit Attachment B for equations and additional information.

MASSACHUSETTS FACILITIES: See Part 3.4 and Appendix 1 of the General Permit for more information on ACEC.  
 Areas of Critical Environmental Concern (ACEC): Does the discharge occur in an ACEC? Yes  No   
 If yes, provide the name of the ACEC:

3. NCCW Source Water Information. Please provide information about the NCCW source water, using separate sheets as necessary:

<p>a) Indicate source of the NCCW (i.e., municipal water supply, private well, surface water withdrawal, groundwater):  Source: <u>Private Well</u>  Name of Source Water: _____  _____</p> <p>Is the source registered/permitted under MA Water Management Act or NHDES Water User Registration Rule (Env Wq 2202)?  Yes <input checked="" type="checkbox"/> No _____</p> <p>If yes, registration number: <u>21109702</u></p>	<p>b) If source water is surface water:</p> <p>i) Is it a freshwater river or stream Yes _____ No _____</p> <p>ii) Is it a lake? _____ reservoir? _____</p> <p>iii) Is it tidal river? _____ estuary? _____ ocean? _____</p> <p>c) Is the source water groundwater? Yes <input checked="" type="checkbox"/> No _____ If yes, see Appendix 8 and submit effluent and surface water test results, as required in Part 5.4 of the General Permit.</p> <p>d) Does the facility use both a primary and backup source of noncontact cooling water?  Yes <input checked="" type="checkbox"/> No _____</p> <p>If yes, attach information that identifies and explains the primary and backup sources of noncontact cooling water for and how often the backup supply was used in last three years.</p>
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4. Best Technology Available for CWIS

Are you subject to BTA requirements at Part 4.2 of the General Permit? (Facility's discharge is covered by this General Permit and the facility withdraws noncontact cooling water from surface source water). Yes \_\_\_\_\_ No \_\_\_\_\_ If No, explain:

If YES, attach the facility-specific BTA description as required in Part 4.3 of the General Permit. For additional information and guidance, see Questions 13-23 of the NCCW Fact Sheet, posted at <http://www.epa.gov/region1/npdes/nccwgp.html>. Provide a map showing the location of each CWIS intake structure; NCCW outfall(s) and any CWIS feature referred to in the BTA description.

Include in your description:

- \_\_\_\_\_ Measures to meet the General Permit Part 4.3.a general BTA requirements, including documentation that describes the facility's monitoring program for impinged fish and/or invertebrate; or the required alternative monitoring plan frequency and/or protocol
- \_\_\_\_\_ A characterization of the source water body's aquatic life habitat in the vicinity of each CWIS during the seasons when the CWIS may be in use
- \_\_\_\_\_ The attributes of the current CWIS
- \_\_\_\_\_ Design measures of the CWIS
- \_\_\_\_\_ Operation measures of the CWIS
- \_\_\_\_\_ Historical occurrence of impinged fish for the past five years
- \_\_\_\_\_ If applicable, a demonstration that the facility's intake rate is commensurate with a closed-cycle recirculation system
- \_\_\_\_\_ Other components to reduce impingement and/or entrainment of aquatic life

**4. BTA FOR CWIS CONTINUED:**

Provide the following information for each CWIS to support your attached facility-specific BTA description.

Design capacity of the of the CWIS \_\_\_\_\_ MGD  
 Maximum monthly average intake of the CWIS during the previous five years \_\_\_\_\_ MGD Month in which this flow occurred \_\_\_\_\_  
 Maximum through-screen design intake velocity \_\_\_\_\_ feet/second (fps)

For facilities where the CWIS is located on a freshwater river or stream, provide the following information:

The source water's annual mean flow \_\_\_\_\_ cubic feet/second (cfs) as available from USGS or other appropriate source  
 The design intake flow as a % of the source water's annual mean flow \_\_\_\_\_ Attach calculations if equal to or less than 5% of annual mean flow.  
 The source water's 7Q10 \_\_\_\_\_ cfs. See Attachment B of the General Permit for more information on 7Q10 determinations.  
 The design intake flow as a percent of the source water's 7Q10 \_\_\_\_\_

**5. Contaminant Information**

If applicable, attach a listing of all non-toxic pH neutralization and/or dechlorination chemicals used, including chemical name and manufacturer; maximum and average daily quantity used as well as the maximum and average daily expected concentrations (mg/l) in the NCCW discharge, and the vendor's reported aquatic toxicity (NOAEL and/or LC<sub>50</sub> in percent for aquatic organism(s)).

**6. Determination of Endangered Species Act Eligibility: Provide documentation of ESA eligibility as required at Part 3.4 and Appendix 2, Part C, Step 4, of the General Permit. In addition, respond to the following questions.**

- a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes \_\_\_ No
- b) Has any consultation with the federal services been completed? Yes  No \_\_\_
- c) Is consultation underway? Yes \_\_\_ No
- d) What were the results of the consultation with the U.S. Fish and Wildlife Service and/or NOAA Fisheries Service (check one):  
 a "no jeopardy" opinion \_\_\_ or written concurrence  on a finding that the discharges are not likely to adversely affect any endangered species or
- e) Which of the five eligibility criteria listed in Appendix 2, Section B (A,B,C,D or E) have you met? BB
- f) Attach a copy of the most current federal listing of endangered and threatened species from the USF&W web site listed in Appendices 2, 2.1 and 4

**7. Documentation of National Historic Preservation Act requirements: Please respond to the following questions:**

- a) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility site or in proximity to the discharge? Yes \_\_\_ No
- b) Have any State or Tribal historic preservation officers been consulted in this determination? Yes \_\_\_ or No  If yes, attach the results of the consultation(s).
- c) Which of the three National Historic Preservation Act requirements listed in Appendix 3, Section C (1,2 or 3) have you met? 1

8. Supplemental Information: Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit

9. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22 (see below) including the following certification:

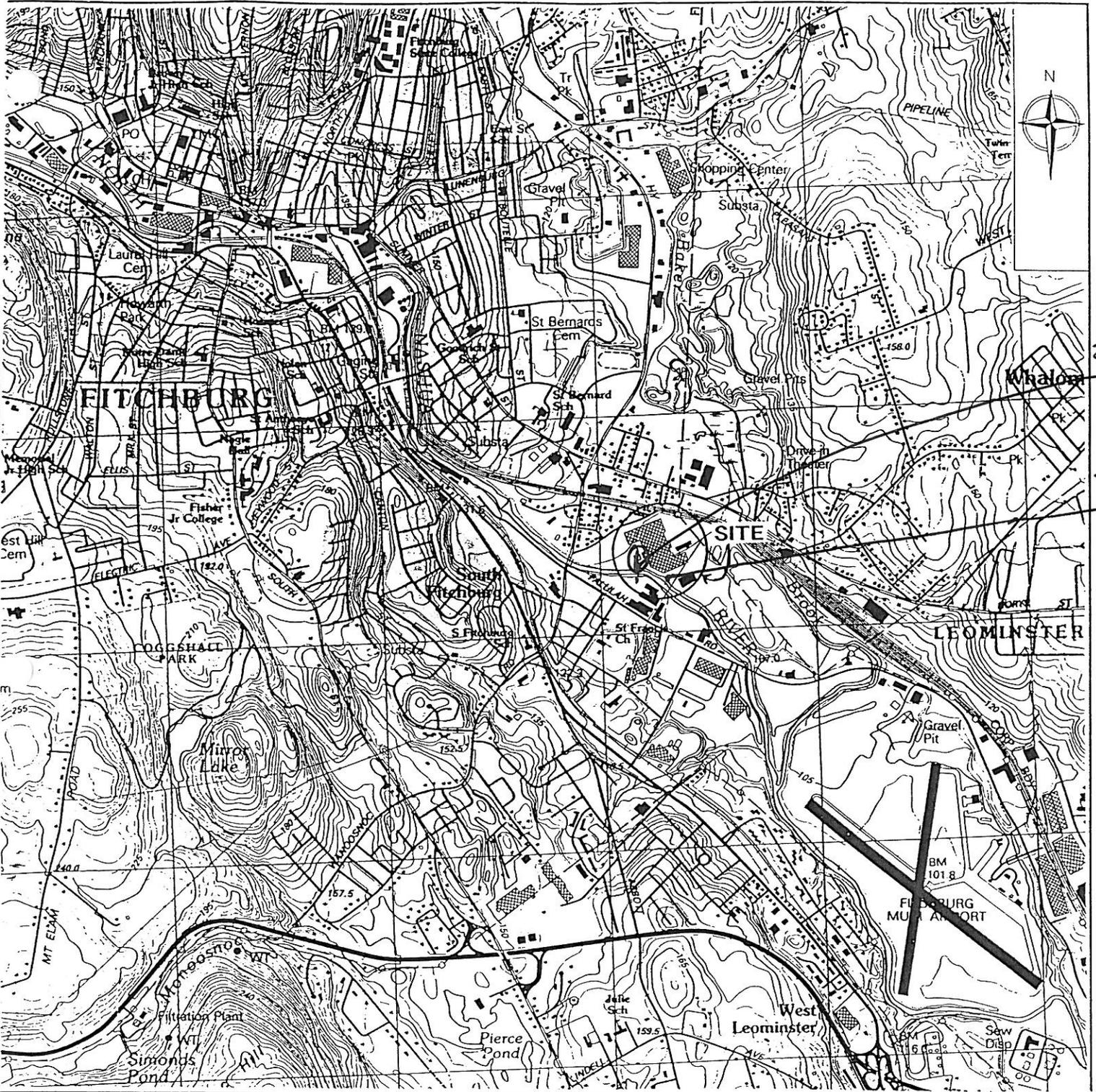
I certify under penalty of law that (1) no biocides or other chemical additives except for those used for pH adjustment and/or dechlorination are used in the noncontact cooling water (NCCW) system; (2) the discharge consists solely of NCCW (to reduce temperature) and authorized pH adjustment and/or dechlorination chemicals; (3) the discharge does not come in contact with any raw materials, intermediate product, water product (other than heat) or finished product; (4) if the discharge of noncontact cooling water subsequently mixes with other wastewater (i.e. stormwater) prior to discharging to the receiving water, any monitoring provided under this permit will be only for noncontact cooling water; (5) where applicable, the facility has complied with the requirements of this permit specific to the Endangered Species Act and National Historic Preservation Act; and (6) this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility Name:	Simonds International
Operator signature:	<i>[Handwritten Signature]</i>
Title:	CEO
Date:	10/7/09

Federal regulations require this application to be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
3. For a municipality, State, Federal or other public facility, by either a principal executive officer or ranking elected official.



NO	REVISIONS	BY	DATE

TITLE: **SITE LOCATION MAP**  
**Simonds Industries Inc.**  
**Intervale Road, Fitchburg, MA**

Source: USGS 7.5 x 15 Minute Topographic  
 □ Quadrangle, Fitchburg Massachusetts



16 COMMERCIAL DRIVE  
 DRACUT, MA 01826

**GROUND WATER ASSOCIATES**

SCALE: 1 : 25,000	JOB NO: 322 784	FIGURE
DRN BY: RAF	CHD BY: PMK	
DATE: 10/10/97	FILE NO. Simonds_NPDES	

Forge Shop

003

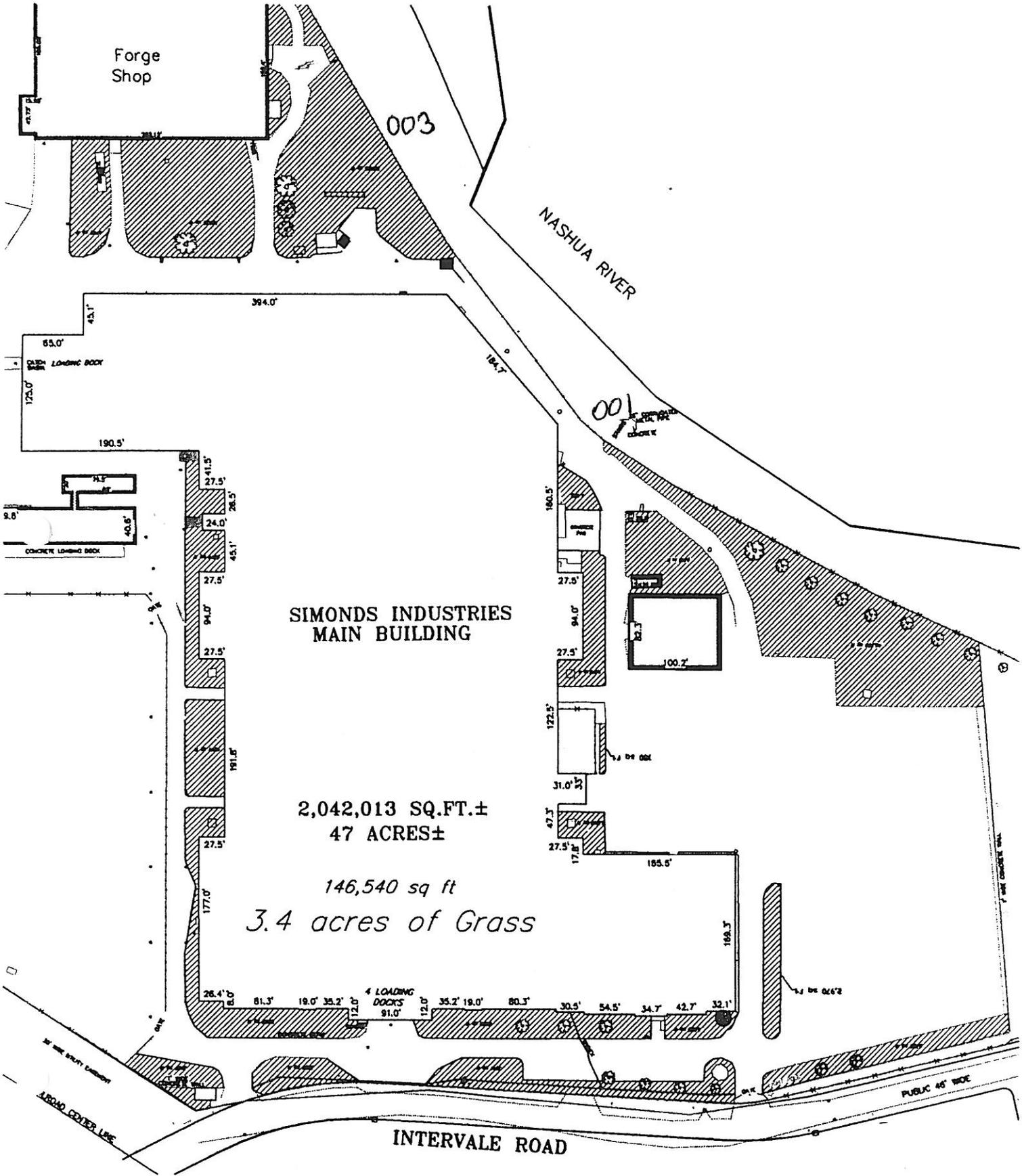
NASHUA RIVER

001

### SIMONDS INDUSTRIES MAIN BUILDING

2,042,013 SQ.FT.±  
47 ACRES±

146,540 sq ft  
3.4 acres of Grass





# Engineering Calculations for Dilution

7Q10 flow for Nashua River is 5.8mgd or 8.95cfs
Maximum design flow for plant is .400mgd
Dil factor= $8.95\text{cfs} + (.4 \times 1.55)/(.4 \times 1.55)$
Dil factor= $8.95\text{cfs} + (.62)/(.62)$
Dil factor= $9.57/.62$
Dil factor= $9.57/.62$
Dil factor= 15.435

Back-up non-contact cooling water

Back-up cooling water is municipal city water

The city water is used only when there is a power failure

Power failure occur 2 to 4 several times a year lasting between 2 seconds and 30 minutes

Each year we seem to have one power failure lasting several hours.



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
New England Field Office  
70 Commercial Street, Suite 300  
Concord, New Hampshire 03301-5087  
<http://www.fws.gov/northeast/newenglandfieldoffice>

September 26, 2008

Reference:	<u>Project</u>	<u>Location</u>
	NPDES general permit	Fitchburg, MA

Charles T. Reitz  
Simonds International  
P.O. Box 500  
Fitchburg, MA 01420

Dear Mr. Reitz:

This responds to your recent correspondence requesting information on the presence of federally-listed and/or proposed endangered or threatened species in relation to the proposed activity(ies) referenced above.

Based on information currently available to us, no federally-listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under Section 7 of the Endangered Species Act is not required.

This concludes our review of listed species and critical habitat in the project location(s) and environs referenced above. No further Endangered Species Act coordination of this type is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

In order to curtail the need to contact this office in the future for updated lists of federally-listed or proposed threatened or endangered species and critical habitats, please visit the Endangered Species Consultation page on the New England Field Office's website:

[www.fws.gov/northeast/newenglandfieldoffice/EndangeredSpec-Consultation.htm](http://www.fws.gov/northeast/newenglandfieldoffice/EndangeredSpec-Consultation.htm)

In addition, there is a link to procedures that may allow you to conclude if habitat for a listed species is present in the project area. If no habitat exists, then no federally-listed species are present in the project area and there is no need to contact us for further consultation. If the above conclusion cannot be reached, further consultation with this office is advised. Information describing the nature and location of the proposed activity that should be provided to us for further informal consultation can be found at the above-referenced site.

ou for your coordination. Please contact us at 603-223-2541 if we can be of further  
ice.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Anthony P. Tur". The signature is written in a cursive style with a prominent initial "A".

Anthony P. Tur  
Endangered Species Specialist  
New England Field Office



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REPORT DATE 9/11/2008

SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420

CONTRACT NUMBER:  
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19266  
JOB NUMBER: OUTFALL #1+2

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested

PROJECT LOCATION: SIMONDS INT.

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos
SAMPLE 1	08B35111	WATER OTHER	River Hardness	hardness by calc	
SAMPLE 2	08B35112	WATER OTHER	Outfall #1	chromium (+6)	
SAMPLE 3	08B35113	WATER OTHER	Outfall #2	chromium (+6)	

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. #652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE

9/11/08

DATE

Tod Kopyscinski  
Air Laboratory Manager

Douglas Sheeley  
Laboratory Manager

Edward Denson  
Technical Director

Daren Damboragian  
Organics Department Supervisor



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SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420

9/11/2008  
Page 1 of 3

Project Location: SIMONDS INT.  
Date Received: 9/3/2008  
Field Sample #: **SAMPLE 2**

Purchase Order No.:

LIMS-BAT #: LIMIT-19266  
Job Number: OUTFALL #1+2

Sample ID : \*08B35112      ‡Sampled : 9/3/2008  
Outfall #1

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Chromium (+6)	mg/l	ND	09/03/08	VAK	0.004			

Field Sample #: **SAMPLE 3**

Sample ID : \*08B35113      ‡Sampled : 9/3/2008  
Outfall #2

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Chromium (+6)	mg/l	ND	09/03/08	VAK	0.004			

Analytical Method:  
SM 3500-Cr D  
COLORIMETRIC DETERMINATION WITH ACIDIC S-DIPHENYLCARBAZIDE

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420

9/11/2008  
Page 2 of 3

Project Location: SIMONDS INT.  
Date Received: 9/3/2008  
Field Sample #: **SAMPLE 1**

Purchase Order No.:

LIMS-BAT #: LIMS-19266  
Job Number: OUTFALL #1+2

Sample ID : **08B35111** ‡Sampled : 9/3/2008  
River Hardness

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Hardness, Total (as CaCO3)	mg/l as CaCO3	37.1	09/06/08	SDT	3.00		

Analytical Method:

SM 2340 B

EQUIVALENT CALCIUM CARBONATE HARDNESS IS CALCULATED FROM SEPARATE DETERMINATIONS OF TOTAL CALCIUM AND TOTAL MAGNESIUM.

Source

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for lime sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420

Purchase Order No.:

9/11/2008  
Page 3 of 3

Project Location: SIMONDS INT.  
Date Received: 9/3/2008

LIMS-BAT #: LIMT-19266  
Job Number: OUTFALL #1+2

The following notes were attached to the reported analysis :

Sample ID: \* 08B35112  
Analysis: Chromium (+6)  
Analyzed at 4:35 pm

Sample ID: \* 08B35113  
Analysis: Chromium (+6)  
Sample duplicate result=<0.004 mg/l  
Analyzed at 4:35 pm

\*\* END OF REPORT \*\*

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMIT-19266

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QC Batch Number: ICP-20037

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B35111	Hardness, Total (as CaCO3)	Sample Amount	37.11	mg/l as CaCO3	
		Duplicate Value	36.79	mg/l as CaCO3	
		Duplicate RPD	0.83	%	
BLANK-123049	Hardness, Total (as CaCO3)	Blank	<3.00	mg/l as CaCO3	



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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMT-19266

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QC Batch Number: WETCHEM-13891

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B35113	Chromium (+6)	Sample Amount	<0.004	mg/l	
		Matrix Spk Amt Added	0.100	mg/l	
		MS Amt Measured	0.094	mg/l	
		Matrix Spike % Rec.	94.000	%	75-125
LFBLANK-84880	Chromium (+6)	Lab Fort Blank Amt.	0.100	mg/l	
		Lab Fort Blk. Found	0.098	mg/l	
		Lab Fort Blk. % Rec.	98.000	%	
STDADD-34730	Chromium (+6)	Standard Measured	0.101	mg/l	
		Standard Amt Added	0.100	mg/l	
		Standard % Recovery	101.000	%	80-120



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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMIT-19266

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NOTES:

QC Batch No. : WETCHEM-13891

Sample ID : 08B35113

Analysis : Chromium (+6)

Sample duplicate result=<0.004 mg/l

Analyzed at 4:35 pm



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates                      BATCH QC: Lab fortified Blanks and Duplicates  
Sample Matrix Spikes and Matrix Spike Duplicates                      Standard Reference Materials and Duplicates  
Method Blanks

Report Date: 9/11/2008                      Lims Bat #: LIMIT-19266                      Page 4 of 4

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER                      This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.

LIMITS                      Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.

Sample Amount                      Amount of analyte found in a sample.

Blank                      Method Blank that has been taken though all the steps of the analysis.

LFBLANK                      Laboratory Fortified Blank (a control sample)

STDADD                      Standard Added (a laboratory control sample)

Matrix Spk Amt Added                      Amount of analyte spiked into a sample  
MS Amt Measured                      Amount of analyte found including amount that was spiked  
Matrix Spike % Rec.                      % Recovery of spiked amount in sample.

Duplicate Value                      The result from the Duplicate analysis of the sample.  
Duplicate RPD                      The Relative Percent Difference between two Duplicate Analyses.

Surrogate Recovery                      The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.

Sur. Recovery (ELCD)                      Surrogate Recovery on the Electrolytic Conductivity Detector.  
Sur. Recovery (PID)                      Surrogate Recovery on the Photoionization Detector.

Standard Measured                      Amount measured for a laboratory control sample  
Standard Amt Added                      Known value for a laboratory control sample  
Standard % Recovery                      % recovered for a laboratory control sample with a known value.

Lab Fort Blank Amt                      Laboratory Fortified Blank Amount Added  
Lab Fort Blk. Found                      Laboratory Fortified Blank Amount Found  
Lab Fort Blk % Rec                      Laboratory Fortified Blank % Recovered  
Dup Lab Fort Bl Amt                      Duplicate Laboratory Fortified Blank Amount Added  
Dup Lab Fort Bl Fnd                      Duplicate Laboratory Fortified Blank Amount Found  
Dup Lab Fort Bl % Rec                      Duplicate Laboratory Fortified Blank % Recovery  
Lab Fort Blank Range                      Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).

Lab Fort Bl. Av. Rec.                      Laboratory Fortified Blank Average Recovery

Duplicate Sample Amt                      Sample Value for Duplicate used with Matrix Spike Duplicate  
MSD Amount Added                      Matrix Spike Duplicate Amount Added (Spiked)  
MSD Amt Measured                      Matrix Spike Duplicate Amount Measured  
MSD % Recovery                      Matrix Spike Duplicate % Recovery  
MSD Range                      Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries





### Sample Receipt Checklist

CLIENT NAME: Simmonds International RECEIVED BY: KRC DATE: 9/30/08

1) Was the chain(s) of custody relinquished and signed?  Yes  No

2) Does the chain agree with the samples?  Yes  No

If not, explain:

3) Are all the samples in good condition?  Yes  No

If not, explain:

4) How were the samples received:

On Ice  Direct from Sampling  Ambient  In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)?  Yes  No

Temperature °C by Temp blank \_\_\_\_\_ Temperature °C by Temp gun 4°C

5) Are there Dissolved samples for the lab to filter? Yes  No

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

6) Are there any samples "On Hold"? Yes  No  Stored where: \_\_\_\_\_

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes  No

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

8) Location where samples are stored: 18

Permission to subcontract samples? Yes  No   
(Walk-in clients only) if not already approved

Client Signature: \_\_\_\_\_

### Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic	3	Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments: PHLO

10 mL vials: # HCl \_\_\_\_\_ # Methanol \_\_\_\_\_

# Bisulfate \_\_\_\_\_ # DI Water \_\_\_\_\_ Time and Date Frozen: \_\_\_\_\_

# Thiosulfate \_\_\_\_\_ Unpreserved \_\_\_\_\_

Do all samples have the proper pH:  Yes  No  N/A

matrix	Test	units	long_des	SAMPLE 1	SAMPLE 2	SAMPLE 3
WATER OTHER	chromium (	mg/l	Chromium (+6)		<0.004	<0.004
WATER OTHER	hardness b	mg/l as CaCO3	Hardness, Total (as CaCO3)	37.1		



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REPORT DATE 9/11/2008

SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420  
ATTN: CHUCK REITZ

CONTRACT NUMBER:  
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

**ANALYTICAL SUMMARY**

LIMS BAT #: LIMIT-19192

JOB NUMBER: OUTFALL #2

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION:

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
SAMPLE 1	08B34769	GRND WATER	Not Specified	ag (mg/l) icp	
SAMPLE 1	08B34769	GRND WATER	Not Specified	as (mg/l) icp	
SAMPLE 1	08B34769	GRND WATER	Not Specified	cd (mg/l) icp	
SAMPLE 1	08B34769	GRND WATER	Not Specified	cr (mg/l) icp	
SAMPLE 1	08B34769	GRND WATER	Not Specified	cu (mg/l) icp	
SAMPLE 1	08B34769	GRND WATER	Not Specified	fe (mg/l) icp	
SAMPLE 1	08B34769	GRND WATER	Not Specified	hg (mg/l) wet	
SAMPLE 1	08B34769	GRND WATER	Not Specified	ni (mg/l) icp	
SAMPLE 1	08B34769	GRND WATER	Not Specified	sb (mg/l) icp	
SAMPLE 1	08B34769	GRND WATER	Not Specified	zn (mg/l) icp	
SAMPLE 3	08B34771	GRND WATER	Not Specified	chlonda manual	
SAMPLE 3	08B34771	GRND WATER	Not Specified	hardness by calc	
SAMPLE 3	08B34771	GRND WATER	Not Specified	ph	

Comments :

LIMS BATCH NO. : LIMIT-19192

In method 200.7, the sample duplicate is not reported for all samples except Iron due to non detect sample and duplicate results.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. #652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE

9/11/08

DATE

Tod Kopyscinski  
Air Laboratory Manager

Douglas Sheeley  
Laboratory Manager

Edward Denson  
Technical Director

Daren Damboragian  
Organics Department Supervisor

\* See end of data tabulation for notes and comments pertaining to this sample



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SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420

9/11/2008  
Page 1 of 14

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

Purchase Order No.:

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample ID : 08B34769      ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Silver	mg/l	ND	09/05/08	OP	0.005		

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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NM = Not Measured

\* = See end of report for comments and notes applying to this sample

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Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample ID : **08B34769**

‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Arsenic	mg/l	ND	09/05/08	OP	0.010		

Analytical Method:

EPA 200.7/SW846 6010

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Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

Purchase Order No.:

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample ID : **08B34769** ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Cadmium	mg/l	ND	09/05/08	OP	0.0050		

Analytical Method:

EPA 200.7/SW846 6010

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Project Location:  
 Date Received: 8/29/2008  
 Field Sample #: **SAMPLE 3**

Purchase Order No.:

LIMS-BAT #: LIMIT-19192  
 Job Number: OUTFALL #2

Sample ID : 08B34771      ‡Sampled : 8/29/2008  
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Chloride	mg/l	40.2	09/11/08	KMT	1.00		

Analytical Method:  
 SM 4500 CL B  
 TITRATION WITH STANDARD SILVER NITRATE.

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Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample ID : **08B34769** ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Chromium	mg/l	ND	09/05/08	OP	0.010		

Analytical Method:  
EPA 200.7/SW846 6010  
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Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: SAMPLE 1

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample ID : 08B34769      ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Copper	mg/l	ND	09/05/08	OP	0.0100		

Analytical Method:  
EPA 200.7/SW846 6010  
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Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

Purchase Order No.:

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample ID : **08B34769** ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Iron	mg/l	0.35	09/05/08	OP	0.05		

Analytical Method.

EPA 200.7/SW846 6010

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9/11/2008  
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Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 3**

Purchase Order No.:

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample ID : **08B34771**      ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Hardness, Total (as CaCO3)	mg/l as CaCO3	32.5	09/09/08	OP	3.00		

Analytical Method:

SM 2340 B

EQUIVALENT CALCIUM CARBONATE HARDNESS IS CALCULATED FROM SEPARATE DETERMINATIONS OF TOTAL CALCIUM AND TOTAL MAGNESIUM.

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Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample ID: **08B34769**      ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/l	ND	09/08/08	KM	0.00010		

Analytical Method:  
EPA 245.1/SW846 7470  
COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

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Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**  
Sample ID : **08B34769**

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Nickel	mg/l	ND	09/05/08	OP	0.010			

Analytical Method:  
EPA 200.7/SW846 6010  
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: SAMPLE 3

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample ID : \*08B34771      ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
pH	units	7.21	09/04/08	LL			

Analytical Method:  
EPA 150.1/SM 4500-H-B  
ELECTRODE DETERMINATION

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Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

Purchase Order No.:

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample ID : \*08B34769      ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/l	ND	09/05/08	OP	0.08		

Analytical Method:  
EPA 200.7/SW846 6010  
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Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**  
Sample ID: **08B34769**

Purchase Order No.:  
  
‡Sampled: 8/29/2008  
Not Specified

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Zinc	mg/l	ND	09/05/08	OP	0.020		

Analytical Method:

EPA 200.7/SW846 6010

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Purchase Order No.:

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Project Location:  
Date Received: 8/29/2008

LIMS-BAT #: LIMIT-19192  
Job Number: OUTFALL #2

The following notes were attached to the reported analysis :

Sample ID: \* 08B34769  
Analysis: Antimony

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE SAMPLE RESULT IS "NOT DETECTED" AND RECOVERY BIAS IS ON THE HIGH SIDE FOR THIS COMPOUND.

Sample ID: \* 08B34771  
Analysis: pH

Analyzed past hold per EPA CWA.  
Analyzed 10:15 am  
20.0 degrees celsius

\*\* END OF REPORT \*\*

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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMIT-19192

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QC Batch Number: HG-9358

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123055	Mercury	Blank	<0.00010	mg/l	
LFBLANK-84761	Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00187	mg/l	
		Lab Fort Blk. % Rec.	93.50000	%	85-115



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat # : LIMT-19192

Page 2 of 7

QC Batch Number: ICP-20034

Sample Id	Analysis	QC Analysis	Values	Units	Limits	
08B34769	Silver	Sample Amount	<0.005	mg/l		
		Matrix Spk Amt Added	0.500	mg/l		
		MS Amt Measured	0.462	mg/l		
	Arsenic	Matrix Spike % Rec.	92.480	%		
		Sample Amount	<0.010	mg/l		
		Matrix Spk Amt Added	0.500	mg/l		
	Cadmium	MS Amt Measured	0.509	mg/l		
		Matrix Spike % Rec.	101.900	%		70-130
		Sample Amount	<0.0050	mg/l		
	Chromium	Matrix Spk Amt Added	0.5000	mg/l		
		MS Amt Measured	0.4951	mg/l		
		Matrix Spike % Rec.	99.0200	%		70-130
	Copper	Sample Amount	<0.010	mg/l		
		Matrix Spk Amt Added	0.500	mg/l		
		MS Amt Measured	0.490	mg/l		
	Iron	Matrix Spike % Rec.	98.100	%		70-130
		Sample Amount	<0.0100	mg/l		
		Matrix Spk Amt Added	0.5000	mg/l		
	Nickel	MS Amt Measured	0.5040	mg/l		
		Matrix Spike % Rec.	100.8000	%		70-130
		Sample Amount	0.34	mg/l		
	Antimony	Duplicate Value	0.35	mg/l		
		Duplicate RPD	0.45	%		0-30
		Sample Amount	0.34	mg/l		
	Zinc	Matrix Spk Amt Added	0.50	mg/l		
		MS Amt Measured	0.84	mg/l		
		Matrix Spike % Rec.	98.74	%		70-130
	BLANK-123025	Sample Amount	<0.010	mg/l		
		Matrix Spk Amt Added	0.500	mg/l		
		MS Amt Measured	0.491	mg/l		
	Silver	Matrix Spike % Rec.	98.340	%		70-130
		Sample Amount	<0.08	mg/l		
		Matrix Spk Amt Added	0.50	mg/l		
Arsenic	MS Amt Measured	0.62	mg/l			
	Matrix Spike % Rec.	125.38	%		70-130	
	Sample Amount	<0.020	mg/l			
Cadmium	Matrix Spk Amt Added	0.500	mg/l			
	MS Amt Measured	0.516	mg/l			
	Matrix Spike % Rec.	103.240	%		70-130	
Silver	Blank	<0.005	mg/l			
	Blank	<0.010	mg/l			
	Blank	<0.0050	mg/l			



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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMIT-19192

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QC Batch Number: ICP-20034

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123025					
	Chromium	Blank	<0.010	mg/l	
	Copper	Blank	<0.0100	mg/l	
	Iron	Blank	<0.05	mg/l	
	Nickel	Blank	<0.010	mg/l	
	Antimony	Blank	<0.08	mg/l	
	Zinc	Blank	<0.020	mg/l	
LFBLANK-84731					
	Silver	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.492	mg/l	
		Lab Fort Blk. % Rec.	98.480	%	
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.502	mg/l	
		Lab Fort Blk. % Rec.	100.440	%	85-115
	Cadmium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.4942	mg/l	
		Lab Fort Blk. % Rec.	98.8400	%	85-115
	Chromium	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.492	mg/l	
		Lab Fort Blk. % Rec.	98.580	%	85-115
	Copper	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.4861	mg/l	
		Lab Fort Blk. % Rec.	97.2200	%	85-115
	Iron	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.52	mg/l	
		Lab Fort Blk. % Rec.	104.04	%	85-115
	Nickel	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.498	mg/l	
		Lab Fort Blk. % Rec.	99.760	%	85-115
	Antimony	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.62	mg/l	
		Lab Fort Blk. % Rec.	125.08	%	85-115
	Zinc	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.495	mg/l	
		Lab Fort Blk. % Rec.	99.000	%	85-115



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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMT-19192

Page 4 of 7

QC Batch Number: ICP-20051

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123153	Hardness, Total (as CaCO3)	Blank	<3.00	mg/l as CaCO3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat # : LIMIT-19192

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QC Batch Number: TITRATION-3739

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85004	Chloride	Lab Fort Blank Amt.	194.0000	mg/l	
		Lab Fort Blk. Found	192.8000	mg/l	
		Lab Fort Blk. % Rec.	99.3814	%	
STDADD-34740	Chloride	Standard Measured	10.1199	mg/l	
		Standard Amt Added	10.0000	mg/l	
		Standard % Recovery	101.2000	%	87.7-112



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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat # : LIMIT-19192

Page 6 of 7

NOTES:

QC Batch No. : ICP-20034

Sample ID : 08B34769

Analysis : Antimony

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE SAMPLE RESULT IS "NOT DETECTED" AND RECOVERY BIAS IS ON THE HIGH SIDE FOR THIS COMPOUND.

QC Batch No. : ICP-20034

Sample ID : LFBLANK-84731

Analysis : Antimony

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMIT-19192

Page 7 of 7

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.

LIMITS Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.

Sample Amount Amount of analyte found in a sample.

Blank Method Blank that has been taken through all the steps of the analysis.

LFBLANK Laboratory Fortified Blank (a control sample)

STDADD Standard Added (a laboratory control sample)

Matrix Spk Amt Added Amount of analyte spiked into a sample  
MS Amt Measured Amount of analyte found including amount that was spiked  
Matrix Spike % Rec. % Recovery of spiked amount in sample.

Duplicate Value The result from the Duplicate analysis of the sample.  
Duplicate RPD The Relative Percent Difference between two Duplicate Analyses.

Surrogate Recovery The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.

Sur. Recovery (ELCD) Surrogate Recovery on the Electrolytic Conductivity Detector.  
Sur. Recovery (PID) Surrogate Recovery on the Photoionization Detector.

Standard Measured Amount measured for a laboratory control sample  
Standard Amt Added Known value for a laboratory control sample  
Standard % Recovery % recovered for a laboratory control sample with a known value.

Lab Fort Blank Amt Laboratory Fortified Blank Amount Added  
Lab Fort Blk. Found Laboratory Fortified Blank Amount Found  
Lab Fort Blk % Rec Laboratory Fortified Blank % Recovered  
Dup Lab Fort Bl Amt Duplicate Laboratory Fortified Blank Amount Added  
Dup Lab Fort Bl Fnd Duplicate Laboratory Fortified Blank Amount Found  
Dup Lab Fort Bl % Rec Duplicate Laboratory Fortified Blank % Recovery  
Lab Fort Blank Range Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).

Lab Fort Bl. Av. Rec. Laboratory Fortified Blank Average Recovery

Duplicate Sample Amt Sample Value for Duplicate used with Matrix Spike Duplicate  
MSD Amount Added Matrix Spike Duplicate Amount Added (Spiked)  
MSD Amt Measured Matrix Spike Duplicate Amount Measured  
MSD % Recovery Matrix Spike Duplicate % Recovery  
MSD Range Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com  
 www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR  
 EAST LONGMEADOW, MA 01028

Limt-19192

Company Name: Simonds International  
 Address: 135 Intervale Rd,  
 Fitchburg, Ma. 01420  
 Attention: Chuck Reitz  
 Project Location: \_\_\_\_\_  
 Sampled By: C.T. Reitz

Telephone: (978) 924-0233  
 Project # OUT Fall #2  
 Client PO # \_\_\_\_\_

**DATA DELIVERY (check one):**  
 FAX  EMAIL  WEBSITE CLIENT  
 Fax #: \_\_\_\_\_  
 Email: creitz@simondsint.com  
 Format:  EXCEL  PDF  GIS KEY  
 OTHER \_\_\_\_\_

Proposal Provided? (For Billing purposes)  yes \_\_\_\_\_ proposal date  
 State Form Required?  yes  no

Field ID	Sample Description	Lab #	Date Sampled		Comp- osite	Grab	*Matrix Code	Conc. Code
			Start Date/Time	Stop Date/Time				
Sample 1		08B 34769	9-29 10:25	9-29 10:25			GW	
Sample 2		34770	9-29 10:25	9-29 10:25			GW	
Sample 3		34771	9-29 10:25	9-29 10:25			GW	

ANALYSIS REQUESTED									

# of containers  
 \*\*Preservation  
 -Cont.Code  
 -Cont.Code:  
 A=amber glass  
 G=glass  
 P=plastic  
 ST=sterile  
 V=vial  
 S=summa can  
 T=tedlar bag  
 O=Other

Metals (See Quote)  
 HCl, Chrom  
 Chloride, pH, hardness

Laboratory Comments: see attached Bid for analysis. MIC 9/2/08

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Client  
 Comments:  
 Nitric  
 Acid  
 for  
 Sample 1  
 Reference

Relinquished by: (signature) <u>Charles T. Reitz</u>	Date/Time: <u>8/29/08 10:45 AM</u>	Turnaround ** <input checked="" type="checkbox"/> 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Other _____ <b>RUSH *</b> <input type="checkbox"/> *24-Hr <input type="checkbox"/> *48-Hr <input type="checkbox"/> *72-Hr <input type="checkbox"/> *4-Day * Require lab approval	Detection Limit Requirements Regulations? _____ Data Enhancement Project/RCP? <input type="checkbox"/> Y <input type="checkbox"/> N Special Requirements or DL's: _____	*Matrix Code: GW= groundwater WW= wastewater DW= drinking water A = air S = soil/solid SL = sludge O = other	**Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium bisulfate O = Other
Received by: (signature) <u>Don Mc</u>	Date/Time: <u>8/29/08 10:45</u>				
Relinquished by: (signature) <u>Don Mc</u>	Date/Time: <u>8/29/08 10:45</u>				
Received by: (signature) <u>3.0</u>	Date/Time: <u>8/29/08 10:45</u>				

\*\* TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. AIHA, NELAC & WBE/DBE Certified



### Sample Receipt Checklist

CLIENT NAME: Simonds Int RECEIVED BY: CEC DATE: 8/29/08

1) Was the chain(s) of custody relinquished and signed?  Yes  No

2) Does the chain agree with the samples?  Yes  No

If not, explain:

3) Are all the samples in good condition?  Yes  No

If not, explain:

4) How were the samples received:

On Ice  Direct from Sampling  Ambient  In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)?  Yes  No

Temperature °C by Temp blank 3.0°C Temperature °C by Temp gun \_\_\_\_\_

5) Are there Dissolved samples for the lab to filter? Yes  No

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

6) Are there any samples "On Hold"? Yes  No Stored where: \_\_\_\_\_

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes  No

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

8) Location where samples are stored: KIP

Permission to subcontract samples? Yes No  
(Walk-in clients only) if not already approved

Client Signature: \_\_\_\_\_

### Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other	
500 mL Plastic	1	Plastic E	
250 mL plastic	2	Air C	
40 mL Vial - type listed below		Brass	
Colisure / bacteria bottle		Ti	
Dissolved Oxygen bottle		Sumr	
Flashpoint bottle		Reg	
Encore		C	

*being re-sampled -  
Some parameters  
do fully. Hex. Chem  
For both chains  
different samples,  
1:00pm 9/2/08  
parameters added*

Laboratory Comments: ph > 2

40 mL vials: # HCl \_\_\_\_\_ # Methanol \_\_\_\_\_

# Bisulfate \_\_\_\_\_ # DI Water \_\_\_\_\_ Time and

# Thiosulfate \_\_\_\_\_ Unpreserved \_\_\_\_\_

Do all samples have the proper pH:  Yes  No  N/A

Simonds International Corp.  
 Attn: Charles Reitz  
 135 Interval Road  
 Fitchburg, MA 01420



August 25, 2008

Dear Charles:

I am pleased to provide you with a price quotation for our laboratory services. Con-Test is a full service analytical testing laboratory with a focus on quality, timely and cost effective results. We thank you in advance for the opportunity to partner with you on this project.

Price Quotation for Non-contact Cooling Water			
Parameters	Unit Cost	Quantity	Total
<i>water</i>			
Antimony	\$10.00	2	\$20.00
Arsenic	\$10.00	2	\$20.00
Cadmium	\$10.00	2	\$20.00
Chromium, Total	\$10.00	2	\$20.00
Chromium, Hexavalent	\$33.00	2	\$66.00
Copper	\$10.00	2	\$20.00
Mercury	\$24.00	2	\$48.00
Nickel	\$10.00	2	\$20.00
Silver	\$10.00	2	\$20.00
Zinc	\$10.00	2	\$20.00
Iron	\$10.00	2	\$20.00
metal prep.	\$5.00	2	\$10.00
Chloride	\$16.00	2	\$32.00
pH	\$16.00	2	\$32.00
Hardness	\$16.00	1	\$16.00
		Total =	\$384.00

*All pricing above is based on a 7-10 Day turn around except where noted otherwise.*

\*Con-Test Analytical Laboratory is a private family owned business. Con-Test is a WBE/DBE certified entity through our home state of Massachusetts and the SOMWBA program. We are also WBE/DBE certified with the States of NY.

**Terms and Conditions:** Laboratory prices are fixed for a three-year period. Prices are subject to change after this period. Payment terms are net Thirty (30) days from date of invoice. Accounts that are over the agreed payment grace period are subject to a 1% monthly surcharge. Invoices will be submitted with each analytical report for services rendered.

We look forward to being of service to you for your analytical needs. If you have any questions pertaining to this proposal please contact me directly at 413-525-2332 ext. 50.

Best Regards,

Holly Folsom  
 Account Executive  
 Tel: 413-525-2332 ext. 50

Bid # 0808-33

LIMIT-19192

matrix	Test	units	long_des	SAMPLE 1	SAMPLE 3
GRND WAT	ag (mg/l)	mg/l	Silver	<0.005	
GRND WAT	as (mg/l)	mg/l	Arsenic	<0.010	
GRND WAT	cd (mg/l)	mg/l	Cadmium	<0.0050	
GRND WAT	chloride m	mg/l	Chloride		40.2
GRND WAT	cr (mg/l)	mg/l	Chromium	<0.010	
GRND WAT	cu (mg/l)	mg/l	Copper	<0.0100	
GRND WAT	fe (mg/l)	mg/l	Iron	0.35	
GRND WAT	hardness b	mg/l as CaC	Hardness, Total (as CaC)	32.5	
GRND WAT	hg (mg/l)	mg/l	Mercury	<0.00010	
GRND WAT	ni (mg/l)	mg/l	Nickel	<0.010	
GRND WAT	ph	units	pH		7.21
GRND WAT	sb (mg/l)	mg/l	Antimony	<0.08	
GRND WAT	zn (mg/l)	mg/l	Zinc	<0.020	



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REPORT DATE 9/11/2008

SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420  
ATTN: CHUCK REITZ

CONTRACT NUMBER:  
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-19189  
JOB NUMBER: OUTFALL #1

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested

PROJECT LOCATION:

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos
SAMPLE 1	08B34764	GRND WATER	Not Specified	ag (mg/l) icp	
SAMPLE 1	08B34764	GRND WATER	Not Specified	as (mg/l) icp	
SAMPLE 1	08B34764	GRND WATER	Not Specified	cd (mg/l) icp	
SAMPLE 1	08B34764	GRND WATER	Not Specified	cr (mg/l) icp	
SAMPLE 1	08B34764	GRND WATER	Not Specified	cu (mg/l) icp	
SAMPLE 1	08B34764	GRND WATER	Not Specified	fe (mg/l) icp	
SAMPLE 1	08B34764	GRND WATER	Not Specified	hg (mg/l) wet	
SAMPLE 1	08B34764	GRND WATER	Not Specified	ni (mg/l) icp	
SAMPLE 1	08B34764	GRND WATER	Not Specified	sb (mg/l) icp	
SAMPLE 1	08B34764	GRND WATER	Not Specified	zn (mg/l) icp	
SAMPLE 3	08B34766	GRND WATER	Not Specified	chloride manual	
SAMPLE 3	08B34766	GRND WATER	Not Specified	hardness by calc	
SAMPLE 3	08B34766	GRND WATER	Not Specified	ph	

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. #652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE

9/11/08  
DATE

Tod Kopyscinski  
Air Laboratory Manager

Douglas Sheeley  
Laboratory Manager

Edward Denson  
Technical Director

Daren Damboragian  
Organics Department Supervisor



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CHUCK REITZ  
SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420

9/11/2008  
Page 1 of 14

Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

LIMS-BAT #: LIMT-19189  
Job Number: OUTFALL #1

Sample ID : **08B34764** ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Silver	mg/l	0.075	09/05/08	OP	0.005		

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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CHUCK REITZ  
 SIMONDS INDUSTRIES INC.  
 INTERVALE ROAD  
 FITCHBURG, MA 01420

9/11/2008  
 Page 2 of 14

Purchase Order No.:

Project Location:  
 Date Received: 8/29/2008  
 Field Sample #: **SAMPLE 1**  
 Sample ID: **08B34764**

LIMS-BAT #: LIMT-19189  
 Job Number: OUTFALL #1

‡Sampled : 8/29/2008  
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Arsenic	mg/l	ND	09/05/08	OP	0.010		

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

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\* = See end of report for comments and notes applying to this sample

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CHUCK REITZ  
SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420

9/11/2008  
Page 3 of 14

Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

LIMS-BAT #: LIMIT-19189  
Job Number: OUTFALL #1

Sample ID : **08B34764** ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Cadmium	mg/l	ND	09/05/08	OP	0.0050		

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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CHUCK REITZ  
SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420

9/11/2008  
Page 4 of 14

Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 3**

LIMS-BAT #: LIMT-19189  
Job Number: OUTFALL #1

Sample ID : **08B34766**

‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Chloride	mg/l	120	09/11/08	KMT	10.0		

Analytical Method:  
SM 4500 CL B  
TITRATION WITH STANDARD SILVER NITRATE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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CHUCK REITZ  
SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420

9/11/2008  
Page 5 of 14

Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**  
Sample ID : **08B34764**

LIMS-BAT #: LIMIT-19189  
Job Number: OUTFALL #1

‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Chromium	mg/l	ND	09/05/08	OP	0.010		

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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CHUCK REITZ  
 SIMONDS INDUSTRIES INC.  
 INTERVALE ROAD  
 FITCHBURG, MA 01420

9/11/2008  
 Page 6 of 14

Purchase Order No.:

Project Location:  
 Date Received: 8/29/2008  
 Field Sample #: **SAMPLE 1**

LIMS-BAT #: LIMIT-19189  
 Job Number: OUTFALL #1

Sample ID : **08B34764** ‡Sampled : 8/29/2008  
 Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Copper	mg/l	0.124	09/05/08	OP	0.0100		

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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CHUCK REITZ  
SIMONDS INDUSTRIES INC.  
INTERVALE ROAD  
FITCHBURG, MA 01420

9/11/2008  
Page 7 of 14

Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

LIMS-BAT #: LIMT-19189  
Job Number: OUTFALL #1

Sample ID : **08B34764** ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Iron	mg/l	ND	09/05/08	OP	0.05		

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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9/11/2008  
Page 8 of 14

Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 3**

LIMS-BAT #: LIMT-19189  
Job Number: OUTFALL #1

Sample ID : **08B34766** ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Hardness, Total (as CaCO3)	mg/l as CaCO3	70.5	09/09/08	OP	3.00		

Analytical Method:

SM 2340 B

EQUIVALENT CALCIUM CARBONATE HARDNESS IS CALCULATED FROM SEPARATE DETERMINATIONS OF TOTAL CALCIUM AND TOTAL MAGNESIUM.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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9/11/2008  
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Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

LIMS-BAT #: LIMIT-19189  
Job Number: OUTFALL #1

Sample ID : \*08B34764      ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/l	ND	09/08/08	KM	0.00010		

Analytical Method:  
EPA 245.1/SW846 7470  
COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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9/11/2008  
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Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

Purchase Order No.:

LIMS-BAT #: LIMIT-19189  
Job Number: OUTFALL #1

Sample ID : 08B34764      ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Nickel	mg/l	ND	09/05/08	OP	0.010		

Analytical Method:  
EPA 200.7/SW846 6010  
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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9/11/2008  
Page 11 of 14

Purchase Order No.:

Project Location:  
Date Received: 8/29/2008

LIMS-BAT #: LIMIT-19189  
Job Number: OUTFALL #1

Field Sample #: **SAMPLE 3**

Sample ID : \*08B34766      ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
pH	units	7.02	09/04/08	LL			

Analytical Method:  
EPA 150.1/SM 4500-H-B  
ELECTRODE DETERMINATION

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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9/11/2008  
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Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

LIMS-BAT #: LIMIT-19189  
Job Number: OUTFALL #1

Sample ID : **08B34764** ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/l	ND	09/05/08	OP	0.08		

Analytical Method:  
EPA 200.7/SW846 6010  
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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9/11/2008  
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Purchase Order No.:

Project Location:  
Date Received: 8/29/2008  
Field Sample #: **SAMPLE 1**

LIMS-BAT #: LIMIT-19189  
Job Number: OUTFALL #1

Sample ID : **08B34764** ‡Sampled : 8/29/2008  
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Zinc	mg/l	ND	09/05/08	OP	0.020		

Analytical Method:  
EPA 200.7/SW846 6010  
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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9/11/2008  
Page 14 of 14

Purchase Order No.:

Project Location:  
Date Received: 8/29/2008

LIMS-BAT #: LIMIT-19189  
Job Number: OUTFALL #1

The following notes were attached to the reported analysis :

Sample ID: \* 08B34764  
Analysis: Mercury

SAMPLE DUPLICATE IS NOT REPORTED DUE TO NON-DETECTED SAMPLE AND DUPLICATE RESULTS.

Sample ID: \* 08B34766  
Analysis: pH

Analyzed past hold per EPA CWA.  
Analyzed 10:05 am  
19.4 degrees celsius

\*\* END OF REPORT \*\*

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

\* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates  
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates  
Standard Reference Materials and Duplicates  
Method Blanks

Report Date: 9/11/2008

Lims Bat # : LIMIT-19189

Page 1 of 6

QC Batch Number: HG-9358

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B34764	Mercury	Sample Amount	<0.00010	mg/l	
		Matrix Spk Amt Added	0.00200	mg/l	
		MS Amt Measured	0.00170	mg/l	
		Matrix Spike % Rec.	85.00000	%	75-125
BLANK-123055	Mercury	Blank	<0.00010	mg/l	
LFBLANK-84761	Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00187	mg/l	
		Lab Fort Blk. % Rec.	93.50000	%	85-115



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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates  
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates  
Standard Reference Materials and Duplicates  
Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMT-19189

Page 2 of 6

QC Batch Number: ICP-20034

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123025	Silver	Blank	<0.005	mg/l	
	Arsenic	Blank	<0.010	mg/l	
	Cadmium	Blank	<0.0050	mg/l	
	Chromium	Blank	<0.010	mg/l	
	Copper	Blank	<0.0100	mg/l	
	Iron	Blank	<0.05	mg/l	
	Nickel	Blank	<0.010	mg/l	
	Antimony	Blank	<0.08	mg/l	
	Zinc	Blank	<0.020	mg/l	
LFBLANK-84731	Silver	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.492	mg/l	
		Lab Fort Blk. % Rec.	98.480	%	
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.502	mg/l	
		Lab Fort Blk. % Rec.	100.440	%	85-115
	Cadmium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.4942	mg/l	
		Lab Fort Blk. % Rec.	98.8400	%	85-115
	Chromium	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.492	mg/l	
		Lab Fort Blk. % Rec.	98.580	%	85-115
	Copper	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.4861	mg/l	
		Lab Fort Blk. % Rec.	97.2200	%	85-115
	Iron	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.52	mg/l	
		Lab Fort Blk. % Rec.	104.04	%	85-115
	Nickel	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.498	mg/l	
		Lab Fort Blk. % Rec.	99.760	%	85-115
	Antimony	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.62	mg/l	
		Lab Fort Blk. % Rec.	125.08	%	85-115
	Zinc	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.495	mg/l	
		Lab Fort Blk. % Rec.	99.000	%	85-115



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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat # : LIMIT-19189

Page 3 of 6

QC Batch Number: ICP-20051

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123153	Hardness, Total (as CaCO3)	Blank	<3.00	mg/l as CaCO3	



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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMIT-19189

Page 4 of 6

QC Batch Number: TITRATION-3739

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85004	Chloride	Lab Fort Blank Amt.	194.0000	mg/l	
		Lab Fort Blk. Found	192.8000	mg/l	
		Lab Fort Blk. % Rec.	99.3814	%	
STDADD-34740	Chloride	Standard Measured	10.1199	mg/l	
		Standard Amt Added	10.0000	mg/l	
		Standard % Recovery	101.2000	%	87.7-112



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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMIT-19189

Page 5 of 6

NOTES:

QC Batch No. : HG-9358

Sample ID : 08B34764

Analysis : Mercury

SAMPLE DUPLICATE IS NOT REPORTED DUE TO NON-DETECTED SAMPLE AND DUPLICATE RESULTS.

QC Batch No. : ICP-20034

Sample ID : LFBLANK-84731

Analysis : Antimony

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates  
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates  
Standard Reference Materials and Duplicates  
Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMIT-19189

Page 6 of 6

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.

LIMITS Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.

Sample Amount Amount of analyte found in a sample.

Blank Method Blank that has been taken though all the steps of the analysis.

LFBLANK Laboratory Fortified Blank (a control sample)

STDADD Standard Added (a laboratory control sample)

Matrix Spk Amt Added Amount of analyte spiked into a sample  
MS Amt Measured Amount of analyte found including amount that was spiked  
Matrix Spike % Rec. % Recovery of spiked amount in sample.

Duplicate Value The result from the Duplicate analysis of the sample.  
Duplicate RPD The Relative Percent Difference between two Duplicate Analyses.

Surrogate Recovery The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.

Sur. Recovery (ELCD) Surrogate Recovery on the Electrolytic Conductivity Detector.  
Sur. Recovery (PID) Surrogate Recovery on the Photoionization Detector.

Standard Measured Amount measured for a laboratory control sample  
Standard Amt Added Known value for a laboratory control sample  
Standard % Recovery % recovered for a laboratory control sample with a known value.

Lab Fort Blank Amt Laboratory Fortified Blank Amount Added  
Lab Fort Blk. Found Laboratory Fortified Blank Amount Found  
Lab Fort Blk % Rec Laboratory Fortified Blank % Recovered  
Dup Lab Fort Bl Amt Duplicate Laboratory Fortified Blank Amount Added  
Dup Lab Fort Bl Fnd Duplicate Laboratory Fortified Blank Amount Found  
Dup Lab Fort Bl % Rec Duplicate Laboratory Fortified Blank % Recovery  
Lab Fort Blank Range Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).

Lab Fort Bl. Av. Rec. Laboratory Fortified Blank Average Recovery

Duplicate Sample Amt Sample Value for Duplicate used with Matrix Spike Duplicate  
MSD Amount Added Matrix Spike Duplicate Amount Added (Spiked)  
MSD Amt Measured Matrix Spike Duplicate Amount Measured  
MSD % Recovery Matrix Spike Duplicate % Recovery  
MSD Range Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com  
 www.contestlabs.com

**CHAIN OF CUSTODY RECORD**

39 SPRUCE ST, 2ND FLOOR  
 EAST LONGMEADOW, MA 01028

Page \_\_\_\_ of \_\_\_\_

Lim 1-19189

Company Name: Simonds International  
 Address: 135 Intervale Rd.  
Fitchburg, Ma. 01420  
 Attention: Chuck Keitz  
 Project Location: \_\_\_\_\_  
 Sampled By: C.T. Keitz C.T. Keitz

Telephone: (948) 424 0233  
 Project # Outfall #1  
 Client PO # \_\_\_\_\_

**DATA DELIVERY (check one):**  
 FAX  EMAIL  WEBSITE CLIENT  
 Fax # : \_\_\_\_\_  
 Email: ckeitz@simondsint.com  
 Format:  EXCEL  PDF  GIS KEY  
 OTHER \_\_\_\_\_

Proposal Provided? (For Billing purposes)  yes \_\_\_\_\_ proposal date  
 State Form Required?  yes  no

Field ID	Sample Description	Lab #	Date Sampled		Comp- osite	Grab	*Matrix Code	Conc. Code	ANALYSIS REQUESTED
			Start Date/Time	Stop Date/Time					
Sample 1		08B 34764	8-29/10:25	8-29/10:25		✓	GW	(X) Metals (See Quote)	
Sample 2		34765	8-29/10:25	8-29/10:25		✓	GW	(X) Hex. Chromium	
Sample 3		34766	8-29/10:25	8-29/10:25		✓	GW	(X) Chloride, pH, hardness	

# of containers  
 \*\*Preservation  
 -Cont. Code  
 -Cont. Code:  
 A=amber glass  
 G=glass  
 P=plastic  
 ST=sterile  
 V= vial  
 S=summa can  
 T=tedlar bag  
 O=Other

**Client Comments:**  
 Sample 1 is Nitric Acid as preservative  
 Do not analyze past hole and new sample being taken 8/29/08

Laboratory Comments:  
 See attached Bid for analysis. (MC) 9/2/08

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Chuck Keitz Date/Time: 8/29/10:45 AM  
 Received by: (signature) Mark M... 8/29/10:45  
 Relinquished by: (signature) Mark M... 8/29/10:45  
 Received by: (signature) 300 Date/Time: 8/29/08 18:00

**Turnaround \*\***  
 7-Day  
 10-Day  
 Other \_\_\_\_\_  
**RUSH \***  
 \*24-Hr  \*48-Hr  
 \*72-Hr  \*4-Day  
 \* Require lab approval

**Detection Limit Requirements**  
 Regulations? \_\_\_\_\_  
 Data Enhancement Project/RCP?  Y  N  
 Special Requirements or DL's: \_\_\_\_\_

**\*Matrix Code:**  
 GW= groundwater  
 WW= wastewater  
 DW= drinking water  
 A = air  
 S = soil/solid  
 SL = sludge  
 O = other \_\_\_\_\_

**\*\*Preservation Codes:**  
 I = Iced X = Na hydroxide  
 H = HCL T = Na thiosulfate  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium bisulfate  
 O = Other \_\_\_\_\_

\*\* TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

www.contestlabs.com



39 Spruce St.  
East Longmeadow, MA.  
01028  
P: 413-525-2332  
F: 413-525-6405

**Sample Receipt Checklist**

CLIENT NAME: Simonds Int RECEIVED BY: CFC DATE: 8/29/08

1) Was the chain(s) of custody relinquished and signed?  Yes  No  
 2) Does the chain agree with the samples?  Yes  No  
 If not, explain:

3) Are all the samples in good condition?  Yes  No  
 If not, explain:

4) How were the samples received:  
 On Ice  Direct from Sampling  Ambient  In Cooler(s)   
 Were the samples received in Temperature Compliance of (2-6°C)?  Yes  No

Temperature °C by Temp blank 3.0°C Temperature °C by Temp gun \_\_\_\_\_

5) Are there Dissolved samples for the lab to filter? Yes  No   
 Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

6) Are there any samples "On Hold"? Yes  No  Stored where:

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes  No   
 Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

8) Location where samples are stored:

Permission to subcontract samples? Yes  No   
 (Walk-in clients only) if not already approved  
 Client Signature: \_\_\_\_\_

**Containers sent in to Con-Test**

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic	1	Plastic Bag / Ziploc	
250 mL plastic	2	Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments: ph < 2

40 mL vials: # HCl \_\_\_\_\_ # Methanol \_\_\_\_\_  
 # Bisulfate \_\_\_\_\_ # DI Water \_\_\_\_\_ Time and Date Frozen: \_\_\_\_\_  
 # Thiosulfate \_\_\_\_\_ Unpreserved \_\_\_\_\_

Do all samples have the proper pH:  Yes  No  N/A

Simonds International Corp.  
 Attn: Charles Reitz  
 135 Interval Road  
 Fitchburg, MA 01420



August 25, 2008

Dear Charles:

I am pleased to provide you with a price quotation for our laboratory services. Con-Test is a full service analytical testing laboratory with a focus on quality, timely and cost effective results. We thank you in advance for the opportunity to partner with you on this project.

Price Quotation for Non-contact Cooling Water			
Parameters	Unit Cost	Quantity	Total
<i>water</i>			
Antimony	\$10.00	2	\$20.00
Arsenic	\$10.00	2	\$20.00
Cadmium	\$10.00	2	\$20.00
Chromium, Total	\$10.00	2	\$20.00
Chromium, Hexavalent	\$33.00	2	\$66.00
Copper	\$10.00	2	\$20.00
Mercury	\$24.00	2	\$48.00
Nickel	\$10.00	2	\$20.00
Silver	\$10.00	2	\$20.00
Zinc	\$10.00	2	\$20.00
Iron	\$10.00	2	\$20.00
metal prep.	\$5.00	2	\$10.00
Chloride	\$16.00	2	\$32.00
pH	\$16.00	2	\$32.00
Hardness	\$16.00	1	\$16.00
		Total =	\$384.00

*All pricing above is based on a 7-10 Day turn around except where noted otherwise.*

\*Con-Test Analytical Laboratory is a private family owned business. Con-Test is a WBE/DBE certified entity through our home state of Massachusetts and the SOMWBA program. We are also WBE/DBE certified with the States of NY.

*Terms and Conditions:* Laboratory prices are fixed for a three-year period. Prices are subject to change after this period. Payment terms are net Thirty (30) days from date of invoice. Accounts that are over the agreed payment grace period are subject to a 1% monthly surcharge. Invoices will be submitted with each analytical report for services rendered.

We look forward to being of service to you for your analytical needs. If you have any questions pertaining to this proposal please contact me directly at 413-525-2332 ext. 50.

Best Regards,

Holly Folsom  
 Account Executive  
 Tel: 413-525-2332 ext. 50

Bid # 0808-33

matrix	Test	units	long_des	SAMPLE 1	SAMPLE 3
GRND WATER	ag (mg/l)	mg/l	Silver	0.075	
GRND WATER	as (mg/l)	mg/l	Arsenic	<0.010	
GRND WATER	cd (mg/l)	mg/l	Cadmium	<0.0050	
GRND WATER	chloride m	mg/l	Chloride		120.
GRND WATER	cr (mg/l)	mg/l	Chromium	<0.010	
GRND WATER	cu (mg/l)	mg/l	Copper	0.124	
GRND WATER	fe (mg/l)	mg/l	Iron	<0.05	
GRND WATER	hardness b	mg/l as CaCO3	Hardness, Total (as CaCO3)		70.5
GRND WATER	hg (mg/l)	mg/l	Mercury	<0.00010	
GRND WATER	ni (mg/l)	mg/l	Nickel	<0.010	
GRND WATER	ph	units	pH		7.02
GRND WATER	sb (mg/l)	mg/l	Antimony	<0.08	
GRND WATER	zn (mg/l)	mg/l	Zinc	<0.020	