

10/8/08
received**APPENDIX 5****Suggested 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>J Kelly @ Simondsint.com</u>
Owner's Tel #: <u>978-424-0236</u> Owner's Fax #: <u>978-424-9233</u>		Owner is (check one): 1. Federal ☐ 2. State ☐ 3. Tribal ☐ 4. Private ☒ 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>c.reitz@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? ☒		
e) Check Yes or No for the following:		
1. Has a prior NPDES permit been granted for the discharge? Yes ☒ 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 ☒		
3. Is the facility covered by an individual NPDES permit? Yes ☐ No ☒ If Yes, Permit Number <u> </u>		
4. Is there a pending application on file with EPA for this discharge? Yes ☐ No ☒ If Yes, date of submittal: <u> </u>		

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) 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:

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: _____ Is the source registered/permitted under MA Water Management Act or NHDES Water User Registration Rule (Env Wq 2202)? Yes ☒ No _____ If yes, registration number: <u>21109702</u>	b) If source water is surface water: i) Is it a freshwater river or stream Yes _____ No _____ ii) Is it a lake? _____ reservoir? _____ iii) Is it tidal river? _____ estuary? _____ ocean? _____ c) Is the source water groundwater? Yes ☒ No _____ If yes, see Appendix 8 and submit effluent and surface water test results, as required in Part 5.4 of the General Permit. d) Does the facility use both a primary and backup source of noncontact cooling water? Yes ☒ No _____ 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.
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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_{50} 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:

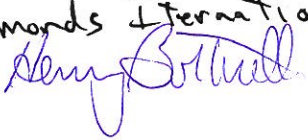
- a) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility site or in proximity to the discharge? Yes _____ No ☒
- b) Have any State or Tribal historic preservation officers been consulted in this determination? Yes _____ or No ☒ 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:	
Title:	CFO
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.

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

4 LOADING
DOCKS

INTERVALE ROAD

PUBLIC 45' WIDE

[illegible][illegible]

Engineering Calculations for Dilution

7Q10 flow for Nashua River is 5.8mgd or 8.95cfs

Maximum design flow for plant is .400mgd
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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

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 cursive script, appearing to read "Anthony P. Tur".

Anthony P. Tur
Endangered Species Specialist
New England Field Office



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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

Purchase Order No.:

9/11/2008
Page 1 of 3

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

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 Lo Hi	P / F
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 Lo Hi	P / F
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

Purchase Order No.:

9/11/2008
Page 2 of 3

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

LIMS-BAT #: LIMT-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 CaCO ₃)	mg/l as CaCO ₃	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 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

Purchase Order No.:

Project Location: SIMONDS INT.

Date Received: 9/3/2008

The following notes were attached to the reported analysis :

9/11/2008

Page 3 of 3

LIMS-BAT #: LIMIT-19266

Job Number: OUTFALL #1+2

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 CaCO ₃)	Sample Amount	37.11	mg/l as CaCO ₃	
		Duplicate Value	36.79	mg/l as CaCO ₃	
		Duplicate RPD	0.83	%	
BLANK-123049	Hardness, Total (as CaCO ₃)	Blank	<3.00	mg/l as CaCO ₃	



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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: 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

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-19266

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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



www.contestlabs.com

LIMT-19266

EAST LONGMEADOW, MA 01028

Page of _____

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: Simmonds International RECEIVED BY: KRL 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: PFLD

10 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen: _____

 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

Purchase Order No.:

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Project Location:

LIMS-BAT #: LIMIT-19192

Date Received: 8/29/2008

Job Number: OUTFALL #2

Field Sample #: SAMPLE 1

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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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:

LIMS-BAT #: LIMIT-19192

Date Received: 8/29/2008

Job Number: OUTFALL #2

Field Sample #: SAMPLE 1

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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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		P / F
						Lo	Hi	
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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Project Location:

LIMS-BAT #: LIMT-19192

Date Received: 8/29/2008

Job Number: OUTFALL #2

Field Sample #: SAMPLE 1

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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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:

LIMS-BAT #: LIMIT-19192

Date Received: 8/29/2008

Job Number: OUTFALL #2

Field Sample #: SAMPLE 1

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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Project Location:

LIMS-BAT #: LIMIT-19192

Date Received: 8/29/2008

Job Number: OUTFALL #2

Field Sample #: SAMPLE 3

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 CaCO ₃)	mg/l as CaCO ₃	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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Project Location:

LIMS-BAT #: LIMIT-19192

Date Received: 8/29/2008

Job Number: OUTFALL #2

Field Sample #: SAMPLE 1

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**

LIMS-BAT #: LIMT-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
Nickel	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 3**

Sample ID : *08B34771

Sample Matrix: GRND WATER

Purchase Order No.:

‡Sampled : 8/29/2008
Not Specified

LIMS-BAT #: LIMIT-19192

Job Number: OUTFALL #2

	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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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
Antimony	mg/l	ND	09/05/08	OP	0.08		

Analytical Method:

EPA 200.7/SW846 6010

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CHUCK REITZ
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INTERVALE ROAD
FITCHBURG, MA 01420

Purchase Order No.:

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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
Zinc	mg/l	ND	09/05/08	OP	0.020		

Analytical Method:

EPA 200.7/SW846 6010

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INTERVALE ROAD
FITCHBURG, MA 01420

Purchase Order No.:

9/11/2008

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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

Page 1 of 7

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

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	
		Matrix Spike % Rec.	92.480	%	
	Arsenic	Sample Amount	<0.010	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.509	mg/l	
		Matrix Spike % Rec.	101.900	%	70-130
	Cadmium	Sample Amount	<0.0050	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.4951	mg/l	
		Matrix Spike % Rec.	99.0200	%	70-130
	Chromium	Sample Amount	<0.010	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.490	mg/l	
		Matrix Spike % Rec.	98.100	%	70-130
	Copper	Sample Amount	<0.0100	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.5040	mg/l	
		Matrix Spike % Rec.	100.8000	%	70-130
	Iron	Sample Amount	0.34	mg/l	
		Duplicate Value	0.35	mg/l	
		Duplicate RPD	0.45	%	0-30
		Sample Amount	0.34	mg/l	
	Nickel	Matrix Spk Amt Added	0.50	mg/l	
		MS Amt Measured	0.84	mg/l	
		Matrix Spike % Rec.	98.74	%	70-130
		Sample Amount	<0.010	mg/l	
	Antimony	Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.491	mg/l	
		Matrix Spike % Rec.	98.340	%	70-130
		Sample Amount	<0.08	mg/l	
	Zinc	Matrix Spk Amt Added	0.50	mg/l	
		MS Amt Measured	0.62	mg/l	
		Matrix Spike % Rec.	125.38	%	70-130
		Sample Amount	<0.020	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.516	mg/l	
		Matrix Spike % Rec.	103.240	%	70-130
BLANK-123025	Silver	Blank	<0.005	mg/l	
	Arsenic	Blank	<0.010	mg/l	
	Cadmium	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 # : LIMIT-19192

Page 4 of 7

QC Batch Number: ICP-20051

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123153	Hardness, Total (as CaCO ₃)	Blank	<3.00	mg/l as CaCO ₃	



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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

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-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

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

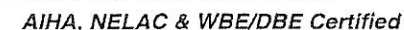
Report Date: 9/11/2008

Lims Bat #: LIMIT-19192

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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



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:
 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	

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 ☐

1:00pm 9/1/08
 parameters added
 for both chains
 different samples,
 some parameters
 if you have questions
 do call. Hex. Chem
 being re-sampled -

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
water			
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 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 #: LIMT-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:

LIMS-BAT #: LIMT-19189

Date Received: 8/29/2008

Job Number: OUTFALL #1

Field Sample #: **SAMPLE 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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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
Arsenic	mg/l	ND	09/05/08	OP	0.010		

Analytical Method:

EPA 200.7/SW846 6010

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Purchase Order No.:

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Project Location:

LIMS-BAT #: LIMT-19189

Date Received: 8/29/2008

Job Number: OUTFALL #1

Field Sample #: **SAMPLE 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

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9/11/2008
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Purchase Order No.:

Project Location:

LIMS-BAT #: LIMT-19189

Date Received: 8/29/2008

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
Chloride	mg/l	120	09/11/08	KMT	10.0		

Analytical Method:

SM 4500 CL B

TITRATION WITH STANDARD SILVER NITRATE.

RL = Reporting Limit

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FITCHBURG, MA 01420

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Purchase Order No.:

Project Location:

LIMS-BAT #: LIMIT-19189

Date Received: 8/29/2008

Job Number: OUTFALL #1

Field Sample #: SAMPLE 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
Chromium	mg/l	ND	09/05/08	OP	0.010		

Analytical Method:

EPA 200.7/SW846 6010

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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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FITCHBURG, MA 01420

Purchase Order No.:

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Project Location:

LIMS-BAT #: LIMT-19189

Date Received: 8/29/2008

Job Number: OUTFALL #1

Field Sample #: **SAMPLE 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

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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:

LIMS-BAT #: LIMT-19189

Date Received: 8/29/2008

Job Number: OUTFALL #1

Field Sample #: **SAMPLE 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

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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:

LIMS-BAT #: LIMT-19189

Date Received: 8/29/2008

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
Hardness, Total (as CaCO ₃)	mg/l as CaCO ₃	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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Purchase Order No.:

9/11/2008

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Project Location:

LIMS-BAT #: LIMT-19189

Date Received: 8/29/2008

Job Number: OUTFALL #1

Field Sample #: **SAMPLE 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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CHUCK REITZ
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FITCHBURG, MA 01420

9/11/2008

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Project Location:

Date Received: 8/29/2008

Field Sample #: **SAMPLE 1**

Sample ID : **08B34764**

Sample Matrix: GRND WATER

Purchase Order No.:

LIMS-BAT #: LIMIT-19189

Job Number: OUTFALL #1

‡Sampled : 8/29/2008
Not Specified

	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).

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
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INTERVALE ROAD
FITCHBURG, MA 01420

9/11/2008
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Purchase Order No.:

Project Location:

LIMS-BAT #: LIMT-19189

Date Received: 8/29/2008

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

‡ = 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.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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

9/11/2008
Page 12 of 14

Purchase Order No.:

Project Location:

Date Received: 8/29/2008

LIMS-BAT #: LIMIT-19189

Job Number: OUTFALL #1

Field Sample #: **SAMPLE 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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CHUCK REITZ
SIMONDS INDUSTRIES INC.
INTERVALE ROAD
FITCHBURG, MA 01420

Purchase Order No.:

9/11/2008

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Project Location:

Date Received: 8/29/2008

LIMS-BAT #: LIMT-19189

Job Number: OUTFALL #1

Field Sample #: **SAMPLE 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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CHUCK REITZ
SIMONDS INDUSTRIES INC.
INTERVALE ROAD
FITCHBURG, MA 01420

Purchase Order No.:

9/11/2008

Page 14 of 14

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

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

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

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



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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 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

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Method Blanks

Report Date: 9/11/2008

Lims Bat #: LIMIT-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

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/11/2008

Lims Bat # : LIMT-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

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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

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

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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 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



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Limf-19189

EAST LONGMEADOW, MA 01028

Abbreviations:

I = Iced	X = Na hydroxide
H = HCL	T = Na thiosulfate
M = Methanol	
N = Nitric Acid	
S = Sulfuric Acid	
B = Sodium bisulfate	
O = Other	

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

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:

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: <u>ph < 2</u>			

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen: _____

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
water			
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	