



July 17, 2017

Clean Water Services
2550 SW Hillsboro Highway
Hillsboro, Oregon 97123

Attention: Marney Jett

Subject: **2016 – 2017 Discharge Monitoring Report (DMR)**
1200-Z General Permit: CWS File No. 112761
Intel Corporation – Ronler Acres Campus
2501 NW 229th Avenue
Hillsboro, Oregon 97124

Intel Corporation (Intel) is pleased to present this annual report and supporting documentation for the Intel Ronler Acres Campus (Site) located in Hillsboro, Oregon. This report fulfills the annual reporting requirements of the National Pollution Discharge Elimination System (NPDES) 1200-Z permit for the Site (CWS File No. 112761).

Attached to this letter you will find:

- 2016 – 2017 Industrial Stormwater Discharge Monitoring Report (Attachment A);
- Stormwater Sampling Analytical Results (Attachment B); and
- Monitoring Waivers (Attachment C).

Please feel free to contact Alex Lochard at (503) 214-0249 should you have any questions or concerns regarding this annual report.

Sincerely,

A handwritten signature in dark ink, appearing to read "Stephanie Shanley", written in a cursive style.

Stephanie Shanley
Oregon Environmental Manager
Intel Corporation

Cc: Marney Jett, Clean Water Services
Alex Lochard, Intel Corporation
Intel EHS file



ATTACHMENT A

2016 – 2017 Industrial Stormwater Discharge Monitoring Report

Industrial Stormwater Discharge Monitoring Report - 1200-Z Permit

| | | | |
|-----------------------|---|----------------------------|-------------------------------|
| Permittee Legal Name: | Intel Corporation - Ronler Acres Campus | ODEQ File No./Facility ID: | 112761 |
| Facility Common Name: | Ronler Acres | Reporting Period: | July 1, 2016 to June 30, 2017 |
| Facility Location: | 2501 NW 229th Ave, Hillsboro 97124 | Laboratory Name: | APEX Laboratories, Tigard |
| County: | Washington | ORELAP# | OR100062 |
| | | SIC Code(s): | 3674 |

Monitor for the following pollutants at sampling point(s) specified in your SWPCP and use the sampling point name or number from your SWPCP. Add more sheets if necessary (e.g., if more than 4 samples are collected per pollutant or facility has more than 4 sampling points). You MUST also attach a copy of laboratory results sheet(s).

Benchmark Sampling: 4 times per year, every year

| Name or Number of Sampling Point(s) (group data per sampling point) | Sample Date | pH | Total Suspended Solids mg/L | Oil and Grease, Total mg/L | Copper, Total mg/L | Lead, Total mg/L | Zinc, Total mg/L | E. coli * counts/100 ml | |
|--|-------------|-----------|--------------------------------|-------------------------------|-----------------------|---------------------|---------------------|----------------------------|--|
| RAMP-1 | 10/13/16 | W | W | W | W | W | W | W | |
| | 11/14/16 | W | W | W | W | W | W | W | |
| | 02/03/17 | W | W | W | W | W | W | W | |
| | 03/23/17 | W | W | W | W | W | W | W | |
| Geometric Mean (Note 3) | | | | | | | | | |
| RAMP-2 | 10/13/16 | W | W | W | W | W | W | W | |
| | 11/15/16 | W | W | W | W | W | W | W | |
| | 02/03/17 | W | W | W | W | W | W | W | |
| | 03/23/17 | W | W | W | W | W | W | W | |
| Geometric Mean (Note 3) | | | | | | | | | |
| RAMP-3 | 10/13/16 | W | W | W | W | W | W | W | |
| | 11/14/16 | W | W | W | W | W | W | W | |
| | 02/03/17 | W | W | W | W | W | W | W | |
| | 03/23/17 | W | W | W | W | W | W | W | |
| Geometric Mean (Note 3) | | | | | | | | | |
| Permit Benchmark | | 5.5 - 9.0 | 100 | 10 | 0.020 | 0.040 | 0.12 | 406 | |
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|--|--|--------------------------------------|--|---|--|
| (Please Print) First Name: Stephanie | | Last Name: Shanley | | Name/Title Principal Executive Officer or Authorized Delegate | |
| Telephone: 503 613 5950 | | Email: stephanie.b.shanley@intel.com | | Title: Oregon Environmental Manager | |
| <p>40 CFR 122.221 certify, under penalty of law, that this document and all attachments were prepared under my direct 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, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.</p> | | | | | |
| Sign Here: | | Date: 7/20/17 | | | |

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| Additional Sampling |
|---------------------|

| | 8 samples during first 3 years | | 4 samples during first 3 years | | |
|---|--------------------------------|----------------|---|----------------------------|--|
| | All Permittees | | Auto Salvage & Scrap Recycling Facilities | Scrap Recycling Facilities | |
| Name or Number of Sampling Point(s) (group data per sampling point) | Sample Date | Cadmium, Total | Mercury, Total | Total PCBs * | |
| | | mg/L | | | |
| RAMP-3 | 10/13/16 | 0.000644 | ND (0.001) | | |
| | 11/14/16 | 0.000567 | ND (0.001) | | |
| | 02/03/17 | 0.000722 | ND (0.001) | | |
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| For facilities located within the following local jurisdictions, please submit one (1) copy of this report, the laboratory results please submit one (1) copy of this report, the laboratory results | For all other locations, please submit one (1) copy of this report and laboratory results sheet(s) to the appropriate DEQ regional office annually by July 31st: |
|--|--|

forms to the local jurisdiction annually by July 31st:

| | | |
|---|---|--|
| Clean Water Services Industrial Stormwater 2550 SW Hillsboro Hwy. Hillsboro, OR 97123 | City of Portland Industrial Stormwater Section Water Pollution Control Lab 6543 N Burlington Ave. Portland, OR 97203 | City of Eugene Industrial Source Control 410 River Ave. Eugene, OR 97404 |
|---|---|--|

DEQ Northwest Region Office
700 Lloyd Building at 700 NE
Multnomah St., Suite #600
Portland, OR 97232
Phone: (503) 229-5263
Hours: 8 am - 5 pm

DEQ Eastern Region Office
475 NE Bellevue Drive, Suite 110
Bend, OR 97701
Phone: (541) 388-6333-2033
Hours: 8 am - 5 pm

DEQ Western Region Office
165 East 7th Ave., Suite 100
Eugene, OR 97401
Phone: (541) 686-7838
Hours: 8 am - 5 pm





ATTACHMENT B

Stormwater Sampling Analytical Results

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Tuesday, November 1, 2016

Dan Schall
AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

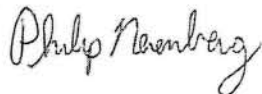
RE: Intel Compliance / 131871

Enclosed are the results of analyses for work order A6J044Z, which was received by the laboratory on 10/13/2016 at 4:04:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 131871
Project Manager: Dan Schall

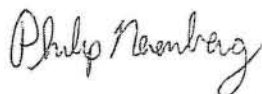
Reported:
11/01/16 10:03

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| RAMP-2 | A6J0447-01 | Water | 10/13/16 11:15 | 10/13/16 16:04 |
| RAMP-3 | A6J0447-02 | Water | 10/13/16 10:35 | 10/13/16 16:04 |

Apex Laboratories



Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 131871
Project Manager: Dan Schall

Reported:
11/01/16 10:03

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Date Analyzed | Method | Notes |
|---------------------|----------|-----|-----------------|-------|----------|----------------|-----------|-------|
| RAMP-2 (A6J0447-01) | | | Matrix: Water | | | | | |
| Batch: 6100915 | | | | | | | | |
| Zinc | 0.367 | --- | 0.00400 | mg/L | 1 | 10/25/16 22:03 | EPA 200.8 | |
| RAMP-3 (A6J0447-02) | | | Matrix: Water | | | | | |
| Batch: 6100696 | | | | | | | | |
| Zinc | 1.24 | --- | 0.00400 | mg/L | 1 | 10/19/16 02:04 | EPA 200.8 | |
| Batch: 6100915 | | | | | | | | |
| Cadmium | 0.000644 | --- | 0.000200 | " | " | 10/25/16 22:06 | " | |
| Chromium | ND | --- | 0.00100 | " | " | " | " | |
| Nickel | ND | --- | 0.00100 | " | " | " | " | |

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Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 131871
Project Manager: Dan Schall

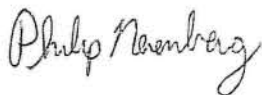
Reported:
11/01/16 10:03

ANALYTICAL SAMPLE RESULTS

Dissolved Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Date Analyzed | Method | Notes |
|---------------------|--------|-----|--------------------|-------|----------|----------------|------------------|-------|
| RAMP-2 (A6J0447-01) | | | Matrix: Water | | | | | |
| Batch: 6100721 | | | | | | | | |
| Zinc | 0.351 | --- | 0.00400 | mg/L | 1 | 10/20/16 13:43 | EPA 200.8 (Diss) | FILT1 |
| RAMP-3 (A6J0447-02) | | | Matrix: Water | | | | | |
| Batch: 6100721 | | | | | | | | |
| Zinc | 1.27 | --- | 0.00400 | mg/L | 1 | 10/20/16 13:55 | EPA 200.8 (Diss) | FILT1 |

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Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 131871
Project Manager: Dan Schall

Reported:
11/01/16 10:03

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dil. | Spike Amount | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------|--------|-----|-----------------|---|------|--------------|---------------|------|-------------|-----|-----------|-------|
| Batch 6100696 - EPA 3015A | | | | | | Water | | | | | | |
| Blank (6100696-BLK1) | | | | Prepared: 10/18/16 10:43 Analyzed: 10/19/16 00:50 | | | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Zinc | ND | --- | 0.00400 | mg/L | 1 | --- | --- | --- | --- | --- | --- | |
| LCS (6100696-BS1) | | | | Prepared: 10/18/16 10:43 Analyzed: 10/19/16 01:02 | | | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Zinc | 0.0547 | --- | 0.00400 | mg/L | 1 | 0.0556 | --- | 99 | 85-115% | --- | --- | |
| Batch 6100915 - EPA 3015A | | | | | | Water | | | | | | |
| Blank (6100915-BLK1) | | | | Prepared: 10/24/16 14:53 Analyzed: 10/25/16 21:12 | | | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Cadmium | ND | --- | 0.000200 | mg/L | 1 | --- | --- | --- | --- | --- | --- | |
| Chromium | ND | --- | 0.00100 | " | " | --- | --- | --- | --- | --- | --- | |
| Nickel | ND | --- | 0.00100 | " | " | --- | --- | --- | --- | --- | --- | |
| Zinc | ND | --- | 0.00400 | " | " | --- | --- | --- | --- | --- | --- | |
| LCS (6100915-BS1) | | | | Prepared: 10/24/16 14:53 Analyzed: 10/25/16 21:36 | | | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Cadmium | 0.0575 | --- | 0.000200 | mg/L | 1 | 0.0556 | --- | 104 | 85-115% | --- | --- | |
| Chromium | 0.0571 | --- | 0.00100 | " | " | " | --- | 103 | " | --- | --- | |
| Nickel | 0.0566 | --- | 0.00100 | " | " | " | --- | 102 | " | --- | --- | |
| Zinc | 0.0562 | --- | 0.00400 | " | " | " | --- | 101 | " | --- | --- | |

Apex Laboratories



Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 131871
Project Manager: Dan Schall

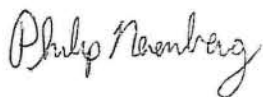
Reported:
11/01/16 10:03

QUALITY CONTROL (QC) SAMPLE RESULTS

Dissolved Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dil. | Spike Amount | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----|-----------------|-------|--------------------------|--------------|--------------------------|------|-------------|-----|-----------|-------|
| Batch 6100721 - Matrix Matched Direct Inject | | | | | | | Water | | | | | |
| Blank (6100721-BLK1) | | | | | Prepared: 10/18/16 18:47 | | Analyzed: 10/20/16 13:37 | | | | | |
| EPA 200.8 (Diss) | | | | | | | | | | | | |
| Zinc | ND | --- | 0.00400 | mg/L | 1 | --- | --- | --- | --- | --- | --- | FILT3 |
| LCS (6100721-BS1) | | | | | Prepared: 10/18/16 18:47 | | Analyzed: 10/20/16 13:40 | | | | | |
| EPA 200.8 (Diss) | | | | | | | | | | | | |
| Zinc | 0.0570 | --- | 0.00400 | mg/L | 1 | 0.0556 | --- | 103 | 85-115% | --- | --- | |

Apex Laboratories



Philip Nerenberg, Lab Director

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Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 131871
Project Manager: Dan Schall

Reported:
11/01/16 10:03

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 200.8 (ICPMS)

Prep: EPA 3015A

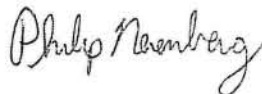
| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|----------------|--------|-----------|----------------|----------------|-------------------------|--------------------------|-------------------|
| Batch: 6100696 | | | | | | | |
| A6J0447-02 | Water | EPA 200.8 | 10/13/16 10:35 | 10/18/16 10:43 | 45mL/50mL | 45mL/50mL | 1.00 |
| Batch: 6100915 | | | | | | | |
| A6J0447-01 | Water | EPA 200.8 | 10/13/16 11:15 | 10/24/16 14:53 | 45mL/50mL | 45mL/50mL | 1.00 |
| A6J0447-02 | Water | EPA 200.8 | 10/13/16 10:35 | 10/24/16 14:53 | 45mL/50mL | 45mL/50mL | 1.00 |

Dissolved Metals by EPA 200.8 (ICPMS)

Prep: Matrix Matched Direct Inject

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|----------------|--------|------------------|----------------|----------------|-------------------------|--------------------------|-------------------|
| Batch: 6100721 | | | | | | | |
| A6J0447-01 | Water | EPA 200.8 (Diss) | 10/13/16 11:15 | 10/18/16 18:47 | 45mL/50mL | 45mL/50mL | 1.00 |
| A6J0447-02 | Water | EPA 200.8 (Diss) | 10/13/16 10:35 | 10/18/16 18:47 | 45mL/50mL | 45mL/50mL | 1.00 |

Apex Laboratories



Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 131871
Project Manager: Dan Schall

Reported:
11/01/16 10:03

Notes and Definitions

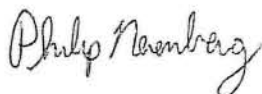
Qualifiers:

- FILT1 Sample was lab filtered and acid preserved prior to analysis. See sample preparation section of report for date and time of filtration.
- FILT3 This is a laboratory filtration blank, associated with filtration batch 6100567. See Prep page of report for associated samples.

Notes and Conventions:

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.
- RPD Relative Percent Difference
- MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
- WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
- Batch QC Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
- Blank Policy Apex assesses blank data for potential high bias down to a level equal to 1/2 the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.
- For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.
- Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- *** Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:
11/01/16 10:03

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 9 of 10

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 131871
Project Manager: Dan Schall

Reported:
11/01/16 10:03

APEX LABS COOLER RECEIPT FORM

Client: Amec Element WO#: A6 J0447

Project/Project #: Intel Compliance / 66141.31871

Delivery info:

Date/Time Received: 10/13/16 @ 16:04 By: WMS

Delivered by: Apex ☒ Client ☒ KESS FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other ☐

Cooler Inspection Inspected by: WMS : 10/13/16 @ 16:08

Chain of Custody Included? Yes ☒ No ☐ Custody Seals? Yes ☐ No ☒

Signed/Dated by Client? Yes ☒ No ☐

Signed/Dated by Apex? Yes ☒ No ☐

Cooler #1 Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6 Cooler #7

Temperature (deg. C) 4.6

Received on Ice? ☒ (Y/N)

Temp. Blanks? ☒ (Y/N)

Ice Type: ☒ (Gel/Real/Other)

Condition: Good

Cooler out of temp? (Y/N) Possible reason why:

If some coolers are in temp and some out, were green dot applied to out of temperature samples? Yes/No ☒ NA

Samples Inspection: Inspected by: WMS : 10/13/16 @ 16:30

All Samples Intact? Yes ☒ No ☐ Comments:

Bottle Labels/COCs agree? Yes ☒ No ☐ Comments:

Containers/Volumes Received Appropriate for Analysis? Yes ☒ No ☐ Comments:

Do VOA Vials have Visible Headspace? Yes ☐ No ☐ NA ☒

Comments:

Water Samples: pH Checked and Appropriate (except VOAs): Yes ☒ No ☐ NA ☐

Comments:

Additional Information:

Labeled by: WMS Witness: VA Cooler Inspected by: WMS See Project Contact Form: Y

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Wednesday, November 23, 2016

Tyler Marley
AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

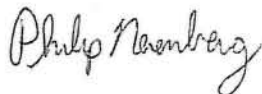
RE: Intel Compliance / 661M11

Enclosed are the results of analyses for work order A6K0499, which was received by the laboratory on 11/15/2016 at 5:10:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 661M11
Project Manager: Tyler Marley

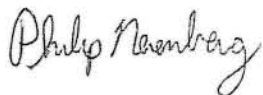
Reported:
11/23/16 17:00

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| RAMP-2 | A6K0499-01 | Water | 11/15/16 02:50 | 11/15/16 17:10 |
| RAMP-3 | A6K0499-02 | Water | 11/14/16 19:50 | 11/15/16 17:10 |

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 661M11
Project Manager: Tyler Marley

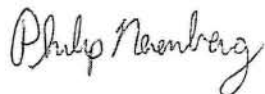
Reported:
11/23/16 17:00

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Date Analyzed | Method | Notes |
|---------------------|----------|-----|--------------------|-------|----------|----------------|-----------|-------|
| RAMP-2 (A6K0499-01) | | | Matrix: Water | | | | | |
| Batch: 6110725 | | | | | | | | |
| Zinc | 0.271 | --- | 0.00400 | mg/L | 1 | 11/21/16 22:01 | EPA 200.8 | |
| RAMP-3 (A6K0499-02) | | | Matrix: Water | | | | | |
| Batch: 6110725 | | | | | | | | |
| Cadmium | 0.000567 | --- | 0.000200 | mg/L | 1 | 11/21/16 22:04 | EPA 200.8 | |
| Chromium | ND | --- | 0.00100 | " | " | " | " | |
| Nickel | ND | --- | 0.00100 | " | " | " | " | |
| Zinc | 1.48 | --- | 0.00400 | " | " | " | " | |

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 661M11
Project Manager: Tyler Marley

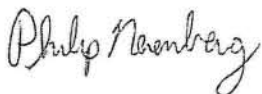
Reported:
11/23/16 17:00

ANALYTICAL SAMPLE RESULTS

Dissolved Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Date Analyzed | Method | Notes |
|-------------------------------|--------------|-----|----------------------|-------|----------|----------------|------------------|-------|
| RAMP-2 (A6K0499-01) | | | Matrix: Water | | | | | |
| Batch: 6110735 | | | | | | | | |
| Zinc | 0.142 | --- | 0.00400 | mg/L | 1 | 11/21/16 15:15 | EPA 200.8 (Diss) | FILT1 |
| RAMP-3 (A6K0499-02RE1) | | | Matrix: Water | | | | | |
| Batch: 6110735 | | | | | | | | |
| Zinc | 1.46 | --- | 0.0400 | mg/L | 10 | 11/21/16 20:21 | EPA 200.8 (Diss) | FILT1 |

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 661M11
Project Manager: Tyler Marley

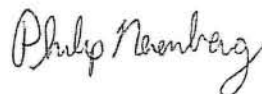
Reported:
11/23/16 17:00

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dil. | Spike Amount | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------------|--------|-----|-----------------|--------------------------|------|--------------------------|---------------|------|-------------|-----|-----------|-------|
| Batch 6110725 - EPA 3015A | | | | | | Water | | | | | | |
| Blank (6110725-BLK1) | | | | Prepared: 11/18/16 15:22 | | Analyzed: 11/21/16 21:10 | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Cadmium | ND | --- | 0.000200 | mg/L | 1 | --- | --- | --- | --- | --- | --- | |
| Chromium | ND | --- | 0.00100 | " | " | --- | --- | --- | --- | --- | --- | |
| Nickel | ND | --- | 0.00100 | " | " | --- | --- | --- | --- | --- | --- | |
| Zinc | ND | --- | 0.00400 | " | " | --- | --- | --- | --- | --- | --- | |
| LCS (6110725-BS1) | | | | Prepared: 11/18/16 15:22 | | Analyzed: 11/21/16 21:13 | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Cadmium | 0.0524 | --- | 0.000200 | mg/L | 1 | 0.0556 | --- | 94 | 85-115% | --- | --- | |
| Chromium | 0.0536 | --- | 0.00100 | " | " | " | --- | 96 | " | --- | --- | |
| Nickel | 0.0540 | --- | 0.00100 | " | " | " | --- | 97 | " | --- | --- | |
| Zinc | 0.0542 | --- | 0.00400 | " | " | " | --- | 98 | " | --- | --- | |
| Matrix Spike (6110725-MS2) | | | | Prepared: 11/18/16 15:22 | | Analyzed: 11/21/16 22:07 | | | | | | |
| QC Source Sample: RAMP-3 (A6K0499-02) | | | | | | | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Cadmium | 0.0537 | --- | 0.000200 | mg/L | 1 | 0.0556 | 0.000567 | 96 | 70-130% | --- | --- | |
| Chromium | 0.0535 | --- | 0.00100 | " | " | " | 0.000411 | 96 | " | --- | --- | |
| Nickel | 0.0541 | --- | 0.00100 | " | " | " | ND | 97 | " | --- | --- | |
| Zinc | 1.49 | --- | 0.00400 | " | " | " | 1.48 | 26 | " | --- | --- | Q-03 |

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 661M11
Project Manager: Tyler Marley

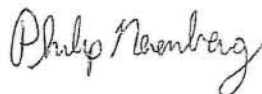
Reported:
11/23/16 17:00

QUALITY CONTROL (QC) SAMPLE RESULTS

Dissolved Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dil. | Spike Amount | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----|-----------------|---|------|--------------|---------------|------|-------------|------|-----------|-------|
| Batch 6110735 - Matrix Matched Direct Inject | | | | | | Water | | | | | | |
| Blank (6110735-BLK1) | | | | Prepared: 11/18/16 14:00 Analyzed: 11/21/16 15:07 | | | | | | | | |
| EPA 200.8 (Diss) | | | | | | | | | | | | |
| Zinc | ND | --- | 0.00400 | mg/L | 1 | --- | --- | --- | --- | --- | --- | FILT3 |
| LCS (6110735-BS1) | | | | Prepared: 11/18/16 14:00 Analyzed: 11/21/16 15:11 | | | | | | | | |
| EPA 200.8 (Diss) | | | | | | | | | | | | |
| Zinc | 0.0549 | --- | 0.00400 | mg/L | 1 | 0.0556 | --- | 99 | 85-115% | --- | --- | |
| Duplicate (6110735-DUP1) | | | | Prepared: 11/18/16 14:00 Analyzed: 11/21/16 15:18 | | | | | | | | |
| QC Source Sample: RAMP-2 (A6K0499-01) | | | | | | | | | | | | |
| EPA 200.8 (Diss) | | | | | | | | | | | | |
| Zinc | 0.142 | --- | 0.00400 | mg/L | 1 | --- | 0.142 | --- | --- | 0.07 | 20% | |
| Matrix Spike (6110735-MS2) | | | | Prepared: 11/18/16 14:00 Analyzed: 11/21/16 20:26 | | | | | | | | |
| QC Source Sample: RAMP-3 (A6K0499-02RE1) | | | | | | | | | | | | |
| EPA 200.8 (Diss) | | | | | | | | | | | | |
| Zinc | 1.52 | --- | 0.0400 | mg/L | 10 | 0.0556 | 1.46 | 110 | 70-130% | --- | --- | Q-16 |

Apex Laboratories



Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 661M11
Project Manager: Tyler Marley

Reported:
11/23/16 17:00

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 200.8 (ICPMS)

Prep: EPA 3015A

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|----------------|--------|-----------|----------------|----------------|-------------------------|--------------------------|-------------------|
| Batch: 6110725 | | | | | | | |
| A6K0499-01 | Water | EPA 200.8 | 11/15/16 02:50 | 11/18/16 15:22 | 45mL/50mL | 45mL/50mL | 1.00 |
| A6K0499-02 | Water | EPA 200.8 | 11/14/16 19:50 | 11/18/16 15:22 | 45mL/50mL | 45mL/50mL | 1.00 |

Dissolved Metals by EPA 200.8 (ICPMS)

Prep: Matrix Matched Direct Inject

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|----------------|--------|------------------|----------------|----------------|-------------------------|--------------------------|-------------------|
| Batch: 6110735 | | | | | | | |
| A6K0499-01 | Water | EPA 200.8 (Diss) | 11/15/16 02:50 | 11/18/16 14:00 | 45mL/50mL | 45mL/50mL | 1.00 |
| A6K0499-02RE1 | Water | EPA 200.8 (Diss) | 11/14/16 19:50 | 11/18/16 14:00 | 45mL/50mL | 45mL/50mL | 1.00 |

Apex Laboratories



Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 661M11
Project Manager: Tyler Marley

Reported:
11/23/16 17:00

Notes and Definitions

Qualifiers:

- FILT1 Sample was lab filtered and acid preserved prior to analysis. See sample preparation section of report for date and time of filtration.
- FILT3 This is a laboratory filtration blank, associated with filtration batch 6110599. See Prep page of report for associated samples.
- Q-03 Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
- Q-16 Reanalysis of an original Batch QC sample.

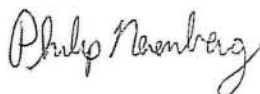
Notes and Conventions:

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.
- RPD Relative Percent Difference
- MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
- WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
- Batch Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
- Blank Apex assesses blank data for potential high bias down to a level equal to 1/2 the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.

For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.

Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- *** Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Laboratories



Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 661M11
Project Manager: Tyler Marley

Reported:
11/23/16 17:00

APEX LABS

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Company: AMEC Foster Wheeler Project Mgr: Tyler Marley

Address: 7376 SW Durham Rd Tigard OR 97224 Phone: 503-639-7160 FAX: _____

Sampled by: Tyler Marley

Site Location: WA

Other: _____

SAMPLE ID

RAMP-2

RAMP-3

PO# _____ Project to 661M11

Project Name: Intel Compliance Email: Tyler.Marley@amec.com

Phone: 503-639-7160 FAX: _____

CHAIN OF CUSTODY

Lab # AP00049 of 1

COC 1 of 1

| ANALYSIS REQUEST | | | |
|------------------|-------|------|--------|
| LAB ID # | DATE | TIME | MATRIX |
| 1 | 11/15 | 0230 | W 2 |
| 2 | 11/14 | 1750 | W 2 |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 Day 5 DAY Other: _____

SAMPLES ARE HELD FOR 30 DAYS

SPECIAL INSTRUCTIONS:

Please lab filter to dissolved Zn.

RELINQUISHED BY:

Signature: Tyler Marley Date: 11/15/16

Printed Name: Tyler Marley Time: 1710

Company: AMEC Foster Wheeler

RECEIVED BY:

Signature: [Signature] Date: 11/15/16

Printed Name: [Name] Time: 1710

Company: AMEC Foster Wheeler

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 661M11
Project Manager: Tyler Marley

Reported:
11/23/16 17:00

APEX LABS COOLER RECEIPT FORM

Client: Amec Element WO#: A6 10499

Project/Project #: Intel Compliance

Delivery info:

Date/Time Received: 11/15/16 @ 1710 By: CLB
Delivered by: Apex ☒ Client ☒ ESS ☐ FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other

Cooler Inspection Inspected by: CLB : 11/15/16 @ 1715

Chain of Custody Included? Yes ☒ No ☐ Custody Seals? Yes ☐ No ☒

Signed/Dated by Client? Yes ☒ No ☐

Signed/Dated by Apex? Yes ☒ No ☐

| | Cooler #1 | Cooler #2 | Cooler #3 | Cooler #4 | Cooler #5 | Cooler #6 | Cooler #7 |
|----------------------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Temperature (deg. C) | <u>4.8</u> | | | | | | |
| Received on Ice? (Y/N) | <input checked="" type="checkbox"/> | | | | | | |
| Temp. Blanks? (Y/N) | <input checked="" type="checkbox"/> | | | | | | |
| Ice Type: (Gel/Real/Other) | <u>Gel</u> | | | | | | |
| Condition: | | | | | | | |

Cooler out of temp? (Y/N) Possible reason why:

If some coolers are in temp and some out, were green dot applied to out of temperature samples? Yes/No/NA

Samples Inspection: Inspected by: CLB : 11/15/16 @ 1715

All Samples Intact? Yes ☒ No ☐ Comments:

Bottle Labels/COCs agree? Yes ☒ No ☐ Comments:

Containers/Volumes Received Appropriate for Analysis? Yes ☒ No ☐ Comments:

Do VOA Vials have Visible Headspace? Yes ☐ No ☐ NA ☒

Comments:

Water Samples: pH Checked and Appropriate (except VOAs): Yes ☒ No ☐ NA ☐

Comments:

Additional Information:

Labeled by: CLB Witness: KAL Cooler Inspected by: CLB See Project Contact Form: Y

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Thursday, February 16, 2017

Tyler Marley
AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

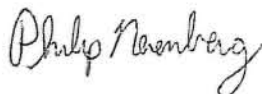
RE: Intel Compliance / 561M131871

Enclosed are the results of analyses for work order A7B0114, which was received by the laboratory on 2/6/2017 at 11:00:00AM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 561M131871
Project Manager: Tyler Marley

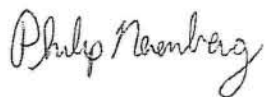
Reported:
02/16/17 17:12

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| ALMP-1 | A7B0114-01 | Water | 02/03/17 22:05 | 02/06/17 11:00 |
| RAMP-2 | A7B0114-02 | Water | 02/03/17 20:00 | 02/06/17 11:00 |
| RAMP-3 | A7B0114-03 | Water | 02/03/17 19:15 | 02/06/17 11:00 |

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 561M131871
Project Manager: Tyler Marley

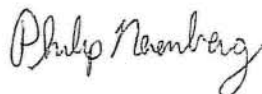
Reported:
02/16/17 17:12

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Date Analyzed | Method | Notes |
|---------------------|----------|-----|-----------------|-------|----------|----------------|-----------|-------|
| ALMP-1 (A7B0114-01) | | | Matrix: Water | | | | | |
| Batch: 7020479 | | | | | | | | |
| Zinc | 0.103 | --- | 0.00400 | mg/L | 1 | 02/10/17 23:49 | EPA 200.8 | |
| RAMP-2 (A7B0114-02) | | | Matrix: Water | | | | | |
| Batch: 7020479 | | | | | | | | |
| Zinc | 0.395 | --- | 0.00400 | mg/L | 1 | 02/10/17 23:52 | EPA 200.8 | |
| RAMP-3 (A7B0114-03) | | | Matrix: Water | | | | | |
| Batch: 7020501 | | | | | | | | |
| Cadmium | 0.000722 | --- | 0.000200 | mg/L | 1 | 02/13/17 13:33 | EPA 200.8 | |
| Chromium | ND | --- | 0.00100 | " | " | " | " | |
| Nickel | ND | --- | 0.00100 | " | " | " | " | |
| Zinc | 1.66 | --- | 0.00400 | " | " | " | " | |

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 561M131871
Project Manager: Tyler Marley

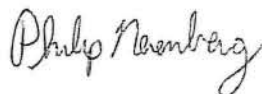
Reported:
02/16/17 17:12

ANALYTICAL SAMPLE RESULTS

Dissolved Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Date Analyzed | Method | Notes |
|----------------------------|--------|-----|--------------------|-------|----------|----------------|------------------|-------|
| ALMP-1 (A7B0114-01) | | | | | | | | |
| Matrix: Water | | | | | | | | |
| Batch: 7020395 | | | | | | | | |
| Zinc | 0.0817 | --- | 0.00400 | mg/L | 1 | 02/08/17 13:16 | EPA 200.8 (Diss) | FILT1 |
| RAMP-2 (A7B0114-02) | | | | | | | | |
| Matrix: Water | | | | | | | | |
| Batch: 7020395 | | | | | | | | |
| Zinc | 0.333 | --- | 0.00400 | mg/L | 1 | 02/08/17 13:19 | EPA 200.8 (Diss) | FILT1 |
| RAMP-3 (A7B0114-03) | | | | | | | | |
| Matrix: Water | | | | | | | | |
| Batch: 7020395 | | | | | | | | |
| Zinc | 1.65 | --- | 0.00400 | mg/L | 1 | 02/08/17 12:25 | EPA 200.8 (Diss) | FILT1 |

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Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 561M131871
Project Manager: Tyler Marley

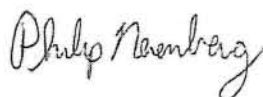
Reported:
02/16/17 17:12

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dil. | Spike Amount | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------|--------|-----|-----------------|-------|------|---|---------------|------|-------------|-----|-----------|-------|
| Batch 7020479 - EPA 3015A | | | | | | Water | | | | | | |
| Blank (7020479-BLK1) | | | | | | Prepared: 02/10/17 09:36 Analyzed: 02/10/17 13:24 | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Zinc | ND | --- | 0.00400 | mg/L | 1 | --- | --- | --- | --- | --- | --- | |
| LCS (7020479-BS1) | | | | | | Prepared: 02/10/17 09:36 Analyzed: 02/10/17 13:27 | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Zinc | 0.0560 | --- | 0.00400 | mg/L | 1 | 0.0556 | --- | 101 | 85-115% | --- | --- | |
| Batch 7020501 - EPA 3015A | | | | | | Water | | | | | | |
| Blank (7020501-BLK1) | | | | | | Prepared: 02/10/17 15:51 Analyzed: 02/13/17 13:25 | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Cadmium | ND | --- | 0.000200 | mg/L | 1 | --- | --- | --- | --- | --- | --- | |
| Chromium | ND | --- | 0.00100 | " | " | --- | --- | --- | --- | --- | --- | |
| Nickel | ND | --- | 0.00100 | " | " | --- | --- | --- | --- | --- | --- | |
| Zinc | ND | --- | 0.00400 | " | " | --- | --- | --- | --- | --- | --- | |
| LCS (7020501-BS1) | | | | | | Prepared: 02/10/17 15:51 Analyzed: 02/13/17 13:28 | | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Cadmium | 0.0566 | --- | 0.000200 | mg/L | 1 | 0.0556 | --- | 102 | 85-115% | --- | --- | |
| Chromium | 0.0563 | --- | 0.00100 | " | " | " | --- | 101 | " | --- | --- | |
| Nickel | 0.0557 | --- | 0.00100 | " | " | " | --- | 100 | " | --- | --- | |
| Zinc | 0.0558 | --- | 0.00400 | " | " | " | --- | 100 | " | --- | --- | |

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Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 561M131871
Project Manager: Tyler Marley

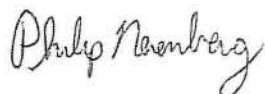
Reported:
02/16/17 17:12

QUALITY CONTROL (QC) SAMPLE RESULTS

Dissolved Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dil. | Spike Amount | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----|-----------------|--|------|--------------|---------------|------|-------------|-----|-----------|-------|
| Batch 7020395 - Matrix Matched Direct Inject | | | | | | Water | | | | | | |
| Blank (7020395-BLK1) | | | | Prepared: 02/08/17 10:01 Analyzed: 02/08/17 12:13 | | | | | | | | |
| EPA 200.8 (Diss) | | | | | | | | | | | | |
| Zinc | ND | --- | 0.00400 | mg/L | 1 | --- | --- | --- | --- | --- | --- | FILT3 |
| LCS (7020395-BS1) | | | | Prepared: 02/08/17 10:01 Analyzed: 02/08/17 12:16 | | | | | | | | |
| EPA 200.8 (Diss) | | | | | | | | | | | | |
| Zinc | 0.0565 | --- | 0.00400 | mg/L | 1 | 0.0556 | --- | 102 | 85-115% | --- | --- | |

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Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 561M131871
Project Manager: Tyler Marley

Reported:
02/16/17 17:12

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 200.8 (ICPMS)

Prep: EPA 3015A

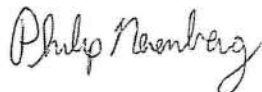
| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|----------------|--------|-----------|----------------|----------------|-------------------------|--------------------------|-------------------|
| Batch: 7020479 | | | | | | | |
| A7B0114-01 | Water | EPA 200.8 | 02/03/17 22:05 | 02/10/17 09:36 | 45mL/50mL | 45mL/50mL | 1.00 |
| A7B0114-02 | Water | EPA 200.8 | 02/03/17 20:00 | 02/10/17 09:36 | 45mL/50mL | 45mL/50mL | 1.00 |
| Batch: 7020501 | | | | | | | |
| A7B0114-03 | Water | EPA 200.8 | 02/03/17 19:15 | 02/10/17 15:51 | 45mL/50mL | 45mL/50mL | 1.00 |

Dissolved Metals by EPA 200.8 (ICPMS)

Prep: Matrix Matched Direct Inject

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|----------------|--------|------------------|----------------|----------------|-------------------------|--------------------------|-------------------|
| Batch: 7020395 | | | | | | | |
| A7B0114-01 | Water | EPA 200.8 (Diss) | 02/03/17 22:05 | 02/08/17 10:01 | 45mL/50mL | 45mL/50mL | 1.00 |
| A7B0114-02 | Water | EPA 200.8 (Diss) | 02/03/17 20:00 | 02/08/17 10:01 | 45mL/50mL | 45mL/50mL | 1.00 |
| A7B0114-03 | Water | EPA 200.8 (Diss) | 02/03/17 19:15 | 02/08/17 10:01 | 45mL/50mL | 45mL/50mL | 1.00 |

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Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 561M131871
Project Manager: Tyler Marley

Reported:
02/16/17 17:12

Notes and Definitions

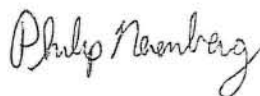
Qualifiers:

- FILT1 Sample was lab filtered and acid preserved prior to analysis. See sample preparation section of report for date and time of filtration.
- FILT3 This is a laboratory filtration blank, associated with filtration batch 7020317. See Prep page of report for associated samples.

Notes and Conventions:

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.
- RPD Relative Percent Difference
- MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
- WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
- Batch QC Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
- Blank Policy Apex assesses blank data for potential high bias down to a level equal to $\frac{1}{2}$ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.
- For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.
- Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- *** Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Laboratories



Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 561M131871
Project Manager: Tyler Marley

Reported:
02/16/17 17:12

APEX LABS

12242 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

CHAIN OF CUSTODY

Lab # A700114

POW

Project # 5011A 131871-10

Company: Anne Foster Wheeler

Address: 7376 SW Parkman Rd

Sampled by: Tyler Marley

Project Mgr: Tyler Marley

Phone: 503-659-7100

Email: Tyler.Marley@ametek.com

Project Name: Intel Compliance

Job # 131871-10

Site Location: OR WA

Other: _____

LAB ID #

DATE

TIME

MATRIX

OF CONTAINERS

ANALYSIS REQUEST

AL SP, AS, BA, BE, CE, CH, CR, CU, IN, IR, NI, NO, PB, PC, PE, PM, PT, SI, SN, SO, ST, TE, TI, VA, VIB, VUL, X, Y, Z

TCLP Metals (R)

HCRA Metals (R)

600 TIO

8082 PCBs

8270 SMI PMHS

8270 SVOC

8260 BTEX VOCs

8260 HYOCs

8260 RBDV VOCs

8260 VOCs Particulate

NWTPH-GX

NWTPH-DX

NWTPH-DICD

SAMPLE ID

ALMP-1

RAMP-2

RAMP-3

2/3

2205

2000

1915

2

↓

↓

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle)

1 Day

2 Day

3 Day

4 Day

5 Day

Other: _____

YES

NO

SPECIAL INSTRUCTIONS:

Please lab filter for dissolved Zn

RELINQUISHED BY:

Signature: Tyler Marley

Date: 2/1/13

Printed Name: Tyler Marley

Time: 11:00

RECEIVED BY:

Signature: [Signature]

Date: 2/1/13

Printed Name: [Name]

Time: [Time]

RELINQUISHED BY:

Signature: [Signature]

Date: 2/1/13

Printed Name: [Name]

Time: [Time]

Philip Nernberg

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 561M131871
Project Manager: Tyler Marley

Reported:
02/16/17 17:12

APEX LABS COOLER RECEIPT FORM

Client: AMEC Element WO#: AKK 216117

Project/Project #: Intel Compliance / 561M131871 TM

Delivery info:

Date/Time Received: 2/16/17 @ 11:00 By: AKK

Delivered by: Apex ☒ Client ☒ ESS ☐ FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other ☐

Cooler Inspection Inspected by: AKK : 2/16/17 @ 11:01

Chain of Custody Included? Yes ☒ No ☐ Custody Seals? Yes ☐ No ☒

Signed/Dated by Client? Yes ☒ No ☐

Signed/Dated by Apex? Yes ☒ No ☐

| | Cooler #1 | Cooler #2 | Cooler #3 | Cooler #4 | Cooler #5 | Cooler #6 | Cooler #7 |
|----------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Temperature (deg. C) | <u>2.0</u> | | | | | | |
| Received on Ice? (Y/N) | <u>Y</u> | | | | | | |
| Temp. Blanks? (Y/N) | <u>Y</u> | | | | | | |
| Ice Type: (Gel/Real/Other) | <u>Real</u> | | | | | | |
| Condition: | <u>good</u> | | | | | | |

Cooler out of temp? (Y/N) Possible reason why: NA

If some coolers are in temp and some out, were green dot applied to out of temperature samples? Yes/No NA

Samples Inspection: Inspected by: AKK : 2/16/17 @ 12:50

All Samples Intact? Yes ☒ No ☐ Comments: _____

Bottle Labels/COCs agree? Yes ☒ No ☐ Comments: _____

Containers/Volumes Received Appropriate for Analysis? Yes ☒ No ☐ Comments: _____

Do VOA Vials have Visible Headspace? Yes ☐ No ☐ NA ☒

Comments: _____

Water Samples: pH Checked and Appropriate (except VOAs): Yes ☒ No ☐ NA ☐

Comments: _____

Additional Information: _____

Labeled by: AKK Witness: MS Cooler Inspected by: AKK See Project Contact Form: Y

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Friday, April 7, 2017

Dan Schall
AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

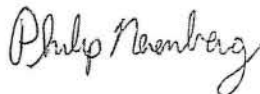
RE: Intel Compliance / 661M131871

Enclosed are the results of analyses for work order A7C0763, which was received by the laboratory on 3/24/2017 at 12:25:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Apex Laboratories



Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 661M131871
Project Manager: Dan Schall

Reported:
04/07/17 16:35

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| RAMP-2 | A7C0763-01 | Water | 03/23/17 20:55 | 03/24/17 12:25 |
| RAMP-3 | A7C0763-02 | Water | 03/23/17 20:15 | 03/24/17 12:25 |

Apex Laboratories



Philip Nerenberg, Lab Director

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| | | |
|--|--|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 661M131871 Project Manager: Dan Schall | Reported: 04/07/17 16:35 |
|--|--|-----------------------------|

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Date Analyzed | Method | Notes |
|---------------------|--------|-----|-----------------|-------|----------|----------------|-----------|-------|
| RAMP-2 (A7C0763-01) | | | Matrix: Water | | | | | |
| Batch: 7040183 | | | | | | | | |
| Zinc | 0.489 | --- | 0.00400 | mg/L | 1 | 04/03/17 14:53 | EPA 200.8 | |
| RAMP-3 (A7C0763-02) | | | Matrix: Water | | | | | |
| Batch: 7040183 | | | | | | | | |
| Zinc | 1.07 | --- | 0.00400 | mg/L | 1 | 04/03/17 14:56 | EPA 200.8 | |

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 661M131871
Project Manager: Dan Schall

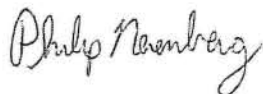
Reported:
04/07/17 16:35

ANALYTICAL SAMPLE RESULTS

Dissolved Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Date Analyzed | Method | Notes |
|---------------------|--------|-----|--------------------|-------|----------|----------------|------------------|-------|
| RAMP-2 (A7C0763-01) | | | Matrix: Water | | | | | |
| Batch: 7040243 | | | | | | | | |
| Zinc | 0.400 | --- | 0.00400 | mg/L | 1 | 04/05/17 23:26 | EPA 200.8 (Diss) | FILT1 |
| RAMP-3 (A7C0763-02) | | | Matrix: Water | | | | | |
| Batch: 7040243 | | | | | | | | |
| Zinc | 1.06 | --- | 0.00400 | mg/L | 1 | 04/05/17 23:39 | EPA 200.8 (Diss) | FILT1 |

Apex Laboratories



Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: **Intel Compliance**
Project Number: 661M131871
Project Manager: Dan Schall

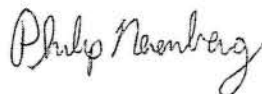
Reported:
04/07/17 16:35

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dil. | Spike Amount | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------|--------|-----|-----------------|-------|--------------------------|--------------|--------------------------|------|-------------|-----|-----------|-------|
| Batch 7040183 - EPA 3015A | | | | | | Water | | | | | | |
| Blank (7040183-BLK1) | | | | | Prepared: 04/03/17 09:08 | | Analyzed: 04/03/17 14:10 | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Zinc | ND | --- | 0.00400 | mg/L | 1 | --- | --- | --- | --- | --- | --- | |
| LCS (7040183-BS1) | | | | | Prepared: 04/03/17 09:08 | | Analyzed: 04/03/17 14:13 | | | | | |
| EPA 200.8 | | | | | | | | | | | | |
| Zinc | 0.0542 | --- | 0.00400 | mg/L | 1 | 0.0556 | --- | 98 | 85-115% | --- | --- | |

Apex Laboratories



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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 661M131871
Project Manager: Dan Schall

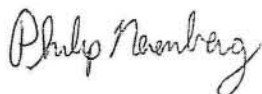
Reported:
04/07/17 16:35

QUALITY CONTROL (QC) SAMPLE RESULTS

Dissolved Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dil. | Spike Amount | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----|-----------------|--|------|--------------|---------------|------|-------------|-----|-----------|-------|
| Batch 7040243 - Matrix Matched Direct Inject | | | | | | Water | | | | | | |
| Blank (7040243-BLK1) | | | | Prepared: 04/04/17 12:20 Analyzed: 04/05/17 23:23 | | | | | | | | |
| EPA 200.8 (Diss) | | | | | | | | | | | | |
| Zinc | ND | --- | 0.00400 | mg/L | 1 | --- | --- | --- | --- | --- | --- | FILT3 |
| LCS (7040243-BS1) | | | | Prepared: 04/04/17 12:20 Analyzed: 04/05/17 23:52 | | | | | | | | |
| EPA 200.8 (Diss) | | | | | | | | | | | | |
| Zinc | 0.0549 | --- | 0.00400 | mg/L | 1 | 0.0556 | --- | 99 | 85-115% | --- | --- | |

Apex Laboratories



Philip Nerenberg, Lab Director

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| | | |
|--|--|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 661M131871 Project Manager: Dan Schall | Reported: 04/07/17 16:35 |
|--|--|-----------------------------|

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 200.8 (ICPMS)

Prep: EPA 3015A

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|----------------|--------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| Batch: 7040183 | | | | | | | |
| A7C0763-01 | Water | EPA 200.8 | 03/23/17 20:55 | 04/03/17 09:08 | 45mL/50mL | 45mL/50mL | 1.00 |
| A7C0763-02 | Water | EPA 200.8 | 03/23/17 20:15 | 04/03/17 09:08 | 45mL/50mL | 45mL/50mL | 1.00 |

Dissolved Metals by EPA 200.8 (ICPMS)

Prep: Matrix Matched Direct Inject

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|----------------|--------|------------------|----------------|----------------|----------------------|-----------------------|----------------|
| Batch: 7040243 | | | | | | | |
| A7C0763-01 | Water | EPA 200.8 (Diss) | 03/23/17 20:55 | 04/04/17 12:20 | 45mL/50mL | 45mL/50mL | 1.00 |
| A7C0763-02 | Water | EPA 200.8 (Diss) | 03/23/17 20:15 | 04/04/17 12:20 | 45mL/50mL | 45mL/50mL | 1.00 |

AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 661M131871
Project Manager: Dan Schall

Reported:
04/07/17 16:35

Notes and Definitions

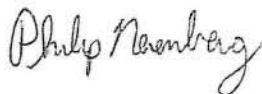
Qualifiers:

- FILT1 Sample was lab filtered and acid preserved prior to analysis. See sample preparation section of report for date and time of filtration.
FILT3 This is a laboratory filtration blank, associated with filtration batch 7030975. See Prep page of report for associated samples.

Notes and Conventions:

- DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.
RPD Relative Percent Difference
MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
Batch QC Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
Blank Policy Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HClD analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.
For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.
Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
-- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
*** Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Laboratories



Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

| | | |
|---|---|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 661M131871 Project Manager: Dan Schall | Reported: 04/07/17 16:35 |
|---|---|-----------------------------|

Lab # **A10703** COC 1 of 1

CHAIN OF CUSTODY

APEX LABS

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

| | | | |
|--|--|---|--|
| Company: AMEC Foster Wheeler Address: 7376 SW Durham Portland, OR 97224 Project Mgr: Dan Schall Project Name: Intel Compliance Project # 661M131871 Email: Daniel.Schall@amecfw.com | | PO# _____ Project # 661M131871 Email: Daniel.Schall@amecfw.com | |
| Phone: 503-639-3400 Fax: _____ | | Project # 661M131871 Email: Daniel.Schall@amecfw.com | |
| Sampled by: Tyler Marley | | | |
| Site Location: WA Other: _____ | | | |
| SAMPLE ID: RAMP-2 RAMP-3 | | | |
| DATE: 3/23/2015 3/23/2015 | | | |
| TIME: W 2 W 2 | | | |
| # OF CONTAINERS: _____ | | | |
| MATRIX: _____ | | | |
| TAT Requested (circle): 1 Day 2 Day 3 Day 4 Day 5 Day Other: _____ | | | |
| SPECIAL INSTRUCTIONS: Lab filter for Dissolved | | | |
| RELINQUISHED BY: Signature: Tyler Marley Date: 3/24/17 Printed Name: Tyler Marley Time: 1200 Company: AMEC Foster Wheeler | | RECEIVED BY: Signature: _____ Date: _____ Printed Name: _____ Time: _____ Company: _____ | |

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

Project: Intel Compliance
Project Number: 661M131871
Project Manager: Dan Schall

Reported:
04/07/17 16:35

APEX LABS COOLER RECEIPT FORM

Client: AMEC FW Element WO#: A7 071e3

Project/Project #: Intel Compliance / 661M131871

Delivery info:

Date/Time Received: 3-24-17 @ 1725 By: MM

Delivered by: Apex ☒ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other ☐

Cooler Inspection Inspected by: MM : 3-24-17 @ 1740

Chain of Custody Included? Yes ☒ No ☐ Custody Seals? Yes ☐ No ☒

Signed/Dated by Client? Yes ☒ No ☐

Signed/Dated by Apex? Yes ☒ No ☐

| | Cooler #1 | Cooler #2 | Cooler #3 | Cooler #4 | Cooler #5 | Cooler #6 | Cooler #7 |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Temperature (deg. C) | <u>23</u> | | | | | | |

Received on Ice? (Y/N) (Y)

Temp. Blanks? (Y/N) (Y)

Ice Type: (Gel/Real/Other) (Real)

Condition: 80% good

Cooler out of temp? (Y/N) (N) Possible reason why: _____

If some coolers are in temp and some out, were green dot applied to out of temperature samples? Yes/No/NA (NA)

Samples Inspection: Inspected by: MM : 3/24/17 @ 17:52

All Samples Intact? Yes ☒ No ☐ Comments: _____

Bottle Labels/COCs agree? Yes ☒ No ☐ Comments: _____

Containers/Volumes Received Appropriate for Analysis? Yes ☒ No ☐ Comments: _____

Do VOA Vials have Visible Headspace? Yes ☐ No ☐ NA ☒

Comments: _____

Water Samples: pH Checked and Appropriate (except VOAs): Yes ☒ No ☐ NA ☐

Comments: _____

Additional Information: _____

Labeled by: JS Witness: MM Cooler Inspected by: MM See Project Contact Form: Y

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ATTACHMENT C

Monitoring Waivers

CleanWater Services

November 12, 2015

Mckayla Garrett
Intel Corporation
5200 NE Elam Young Pkwy
MS RS5-115
Hillsboro, OR 97124

Subject: Request to Exercise Monitoring Waiver, DEQ File # 112761

Dear McKayla:

Clean Water Services (District) received Intel Corporation's (Intel – Ronler Acres) request for a monitoring waiver for 1200-Z General Stormwater Permit (File # 112761) on November 9, 2015 for the constituents of pH, total suspended solids, total oil and grease, total copper, and total lead at Outfall 5 (RAMP-3). Included in the request were analytical results for consecutive sampling events from February 2, 2015, March 24, 2015, August 29, 2015, and October 18, 2015 for Outfall 5. Intel Corporation #112761 has previously applied for and has been granted a monitoring waiver for pH, total suspended solids, total oil and grease, total copper, total lead and total zinc at Outfall 3 (RAMP-1) and for pH, total suspended solids, total oil and grease, total copper and total lead at Outfall 4 (RAMP-2).

The calculated geometric mean from the sampling was below the benchmark for the above mentioned constituents. Based on the submitted analytical results from the sampling and inspection by the District, the District approves Intel Corporation's waiver request.

There is no reduction allowed for monthly visuals observations for total zinc at Outfalls 4 and 5. Intel Corporation will need to continue monthly visual observations at all three outfalls and pollutant sampling for total zinc at Outfalls 4 & 5.

Intel Corporation must submit to the District the Discharge Monitoring Report (DMR) form/annual report by July 31st of each year that the permit is in effect. The DMR form must indicate a monitoring waiver for each parameter by placing a "W" in each appropriate column. (See note 1 on the DMR form.)

The District may revoke this waiver if:

- The District determines that prior monitoring efforts used to establish the monitoring were improper or incorrect;
- The District determines that changes to the site conditions are likely to affect stormwater discharge characteristics;
- The District or permit registrant conducts additional monitoring and the sample results exceed the benchmark(s).

The District will notify Intel Corporation in writing if the monitoring waiver is revoked. If you have any questions or concerns about this or any other matter concerning stormwater, please call me at 503.681.5147.

Respectfully,



Stacy Hibbard
Source Control Investigator

cc: Ian Garner, DEQ NW Region

CleanWater Services

October 16, 2015

Mckayla Garrett
Intel Corporation
5200 NE Elam Young Pkwy
MS RS5-115
Hillsboro, OR 97124

Subject: Request to Exercise Monitoring Waiver, DEQ File # 112761

Dear Mckayla:

Clean Water Services (District) received Intel Corporation's (Intel – Ronler Acres) request for a monitoring waiver for 1200-Z General Stormwater Permit (File # 112761) on October 13, 2015 for the constituents of pH and total zinc at Outfall 3 (RAMP-1) and pH at Outfall 4 (RAMP-2). Included in the request were analytical results for consecutive sampling events from December 4, 2014, February 2, 2015, March 24, 2015, and August 29, 2015 for Outfall 3 and Outfall 4. On June 3, 2015 Intel Corporation #112761 applied for and was granted a monitoring waiver for total suspended solids, total oil and grease, total copper and total lead at Outfalls 3 and 4.

The calculated geometric mean from the sampling was below the benchmark for the above mentioned constituents. Based on the submitted analytical results from the sampling and inspection by the District, the District approves Intel Corporation's waiver request.

There is no reduction allowed for monthly visual observations or total zinc at Outfall 4. Intel Corporation will need to continue monthly visual observations at both outfalls and pollutant sampling for total zinc at Outfall 4.

Intel Corporation must submit to the District the Discharge Monitoring Report (DMR) form/annual report by July 31st of each year that the permit is in effect. The DMR form must indicate a monitoring waiver for each parameter by placing a "W" in each appropriate column. (See note 1 on the DMR form.)

The District may revoke this waiver if:

- The District determines that prior monitoring efforts used to establish the monitoring were improper or incorrect;
- The District determines that changes to the site conditions are likely to affect stormwater discharge characteristics;
- The District or permit registrant conducts additional monitoring and the sample results exceed the benchmark(s).

The District will notify Intel Corporation in writing if the monitoring waiver is revoked. If you have any questions or concerns about this or any other matter concerning stormwater, please call me at 503.681.5147.

Respectfully,



Stacy Hibbard
Source Control Investigator

cc: Ian Garner, DEQ NW Region

