



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).

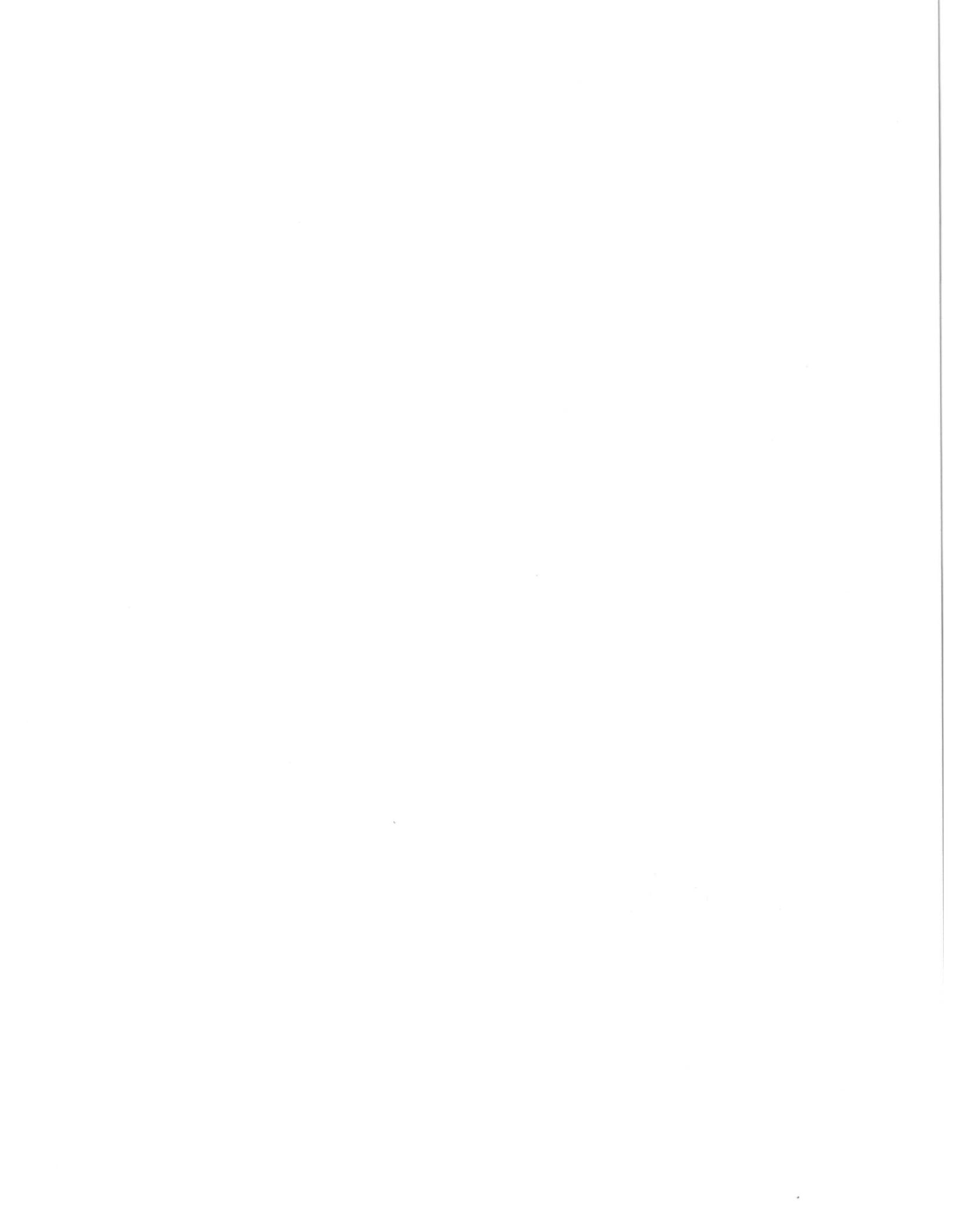
Please feel free to contact Alex Lochard at (503) 214-0249 should you have any questions or concerns regarding this annual report.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephanie Shanley". The signature is written in a cursive, flowing style.

Stephanie Shanley
Oregon Environmental Manager
Intel Corporation

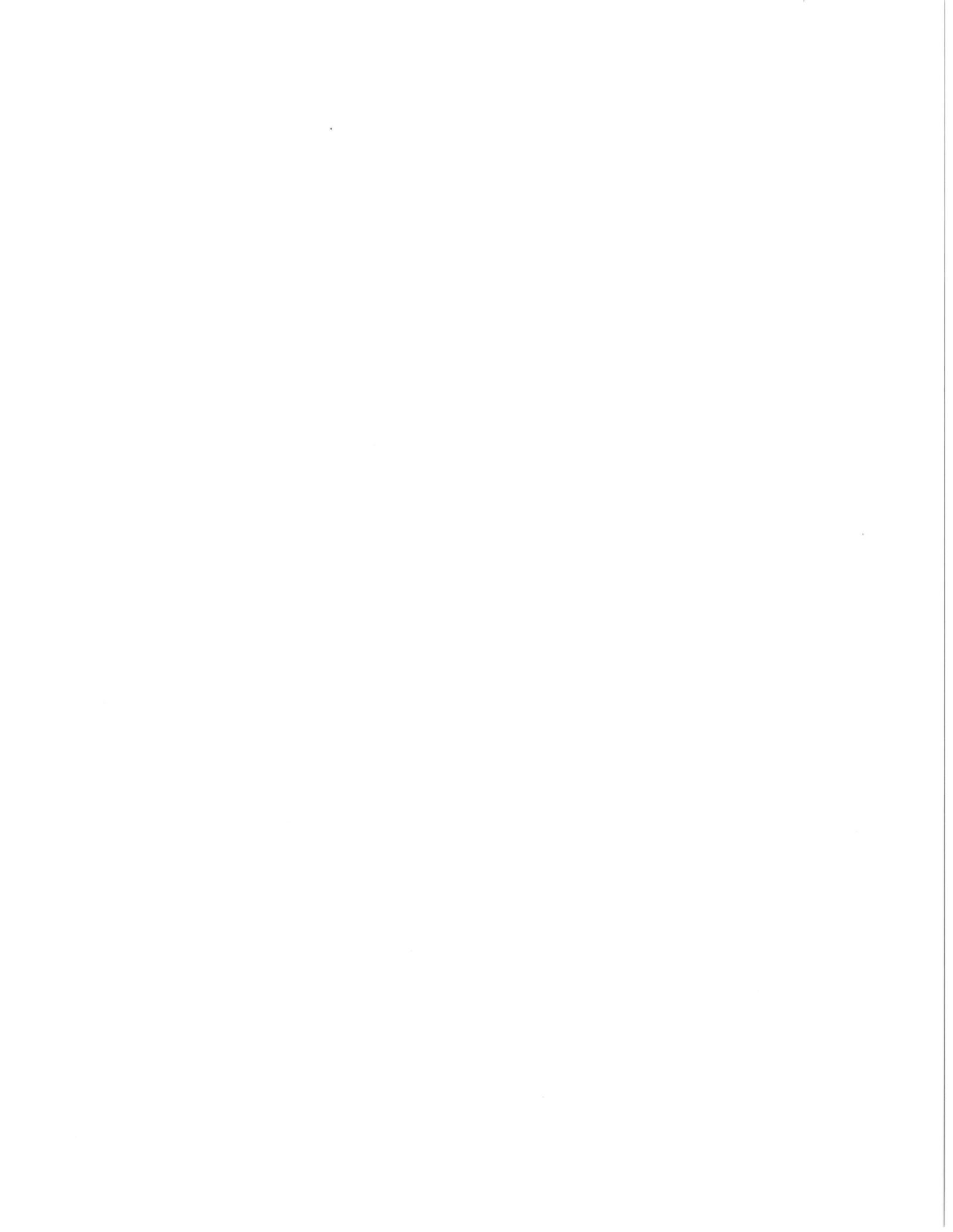
Cc: Marney Jett, Clean Water Services
Alex Lochard, Intel Corporation
Intel EHS file





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 | | |
| Facility Common Name: | Ronler Acres | | |
| Facility Location: | 2501 NW 229th Ave, Hillsboro 97124 | | |
| County: | Washington | | |
| ODEQ File No./Facility ID: | 112761 | Reporting Period: | July 1, 2016 to June 30, 2017 |
| Laboratory Name: | APEX Laboratories, Tigard | | |
| 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).**

| Name or Number of Sampling Point(s) (group data per sampling point) | Sample Date | pH | Total Suspended Solids | | Oil and Grease, Total | Copper, Total | Lead, Total | Zinc, Total | E. coli * |
|--|-------------|------------------|------------------------|------------|-----------------------|---------------|--------------|-------------|------------|
| | | | mg/L | mg/L | | | | | |
| RAMP-1 | 10/13/16 | W | W | W | W | W | W | W | W |
| | 11/14/16 | W | W | W | W | W | W | W | W |
| | 02/03/17 | W | W | W | W | W | W | W | W |
| | 03/23/17 | W | W | W | W | W | W | W | W |
| Geometric Mean (Note 3) | | | | | | | | | |
| RAMP-2 | 10/13/16 | W | W | W | W | W | W | 0.37 | W |
| | 11/15/16 | W | W | W | W | W | W | 0.27 | W |
| | 02/03/17 | W | W | W | W | W | W | 0.40 | W |
| | 03/23/17 | W | W | W | W | W | W | 0.49 | W |
| Geometric Mean (Note 3) | | | | | | | | | |
| RAMP-3 | 10/13/16 | W | W | W | W | W | W | 0.37 | W |
| | 11/14/16 | W | W | W | W | W | W | 1.24 | W |
| | 02/03/17 | W | W | W | W | W | W | 1.48 | W |
| | 03/23/17 | W | W | W | W | W | W | 1.66 | W |
| Geometric Mean (Note 3) | | | | | | | | | |
| Permit Benchmark | | 5.5 - 9.0 | | 100 | 10 | 0.020 | 0.040 | 0.12 | 406 |

Benchmark Sampling: 4 times per year, every year

* E. coli only required for landfills and sewage treatment plants.

Fill out only those rows and columns that apply to your specific site.

Note 1: Submit this report to the appropriate DEQ regional or agent offices (see below) annually by July 31st. The report must contain the results of all stormwater monitoring conducted during the year. If you have a monitoring waiver for one or more of the pollutant(s), please report "W" in the column(s)-see permit-Schedule B.3. You are not required to report the geometric mean for pollutant(s) that have a monitoring waiver. The geometric mean value is automatically calculated if using the Excel version of the DMR form.

Note 2: Non-detects must be reported as "ND" along with the applicable method detection limit or minimum quantification limit in parentheses - e.g. ND (0.001).

Note 3: The geometric mean is required in the second year of coverage. For non-detect sampling results, record following note 2 above; the spreadsheet will automatically use 1/2 the detection limit to calculate the geometric mean. You are not required to report the geometric mean for pollutant(s) that have a monitoring waiver. The geometric mean value is automatically calculated if using the Excel version of the DMR form.

Note 4: If a sampling event is missed or a sampling parameter is not analyzed or sampled, enter "NS" in each applicable column for that row.

Note 5: If there was no discharge then state "No Discharge" in the row after the sampling date for any applicable sampling point.

Name/Title: Principal Executive Officer or Authorized Delegate
Last Name: Shanley
Email: stephanie.b.shanley@intel.com
Telephone: 503 613 5950

(Please Print) First Name: Stephanie
Title: Oregon Environmental Manager

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.

Sign Here: *S Shanley* Date: 7/20/17

Additional Sampling

| Name or Number of Sampling Point(s) (group data per sampling point) | 8 samples during first 3 years | | | | 4 samples during first 3 years | | | | * PCBs should be reported as the sum of the following aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260. Do not use any value for any aroclor that is non-detect. Should all Aroclors be non-detect report the ND value for the highest non-detect value from the lab report; typically, this will be ND (0.002). |
|--|--------------------------------|------------------------|-----------------------|-------------------------|---|----------------------|----------------------------|--|---|
| | All Permittees | | | | Auto Salvage & Scrap Recycling Facilities | | Scrap Recycling Facilities | | |
| | Sample Date | Cadmium, Total mg/L | Nickel, Total mg/L | Chromium, Total mg/L | Mercury, Total mg/L | Total PCBs * mg/L | | | |
| RAMP-3 | 10/13/16 | 0.000644 | ND (0.001) | ND (0.001) | | | | | |
| | 11/14/16 | 0.000567 | ND (0.001) | ND (0.001) | | | | | |
| | 02/03/17 | 0.000722 | ND (0.001) | ND (0.001) | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Use method 3113B, 200.8, or other method specified in 40CFR136 for NPDES reporting | | | | MQL | 0.0024 | 0.002 | | | |

For facilities located within the following local jurisdictions, please submit one (1) copy of this report, the laboratory results sheet(s), QA/QC documentation and Chain of Custody (COC) forms to the local jurisdiction annually by July 31st:

| | | |
|--|---|--|
| Clean Water Services Industrial Stormwater 2550 SW Hillisboro 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) 388-633-2033
 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



Last updated by Mark Riedel 6/8/15 08-WQ-033



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

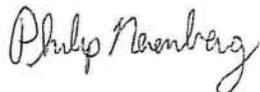
RE: Intel Compliance / 131871

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

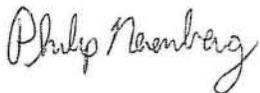
Reported:
11/01/16 10:03

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

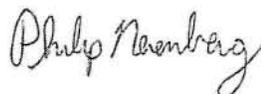
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

| | | |
|--|---|-----------------------------|
| 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 SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Date Analyzed | Method | Notes |
|----------------------------|----------|-----|-----------------|-------|----------|----------------|-----------|-------|
| RAMP-2 (A6J0447-01) | | | | | | | | |
| Batch: 6100915 | | | | | | | | |
| Matrix: Water | | | | | | | | |
| Zinc | 0.367 | --- | 0.00400 | mg/L | 1 | 10/25/16 22:03 | EPA 200.8 | |
| RAMP-3 (A6J0447-02) | | | | | | | | |
| Batch: 6100696 | | | | | | | | |
| Matrix: Water | | | | | | | | |
| 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 | " | " | " | " | |

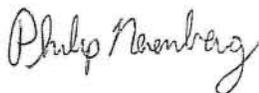


| | | |
|--|---|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 131871 Project Manager: Dan Schall | Reported: 11/01/16 10:03 |
|--|---|-----------------------------|

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 |

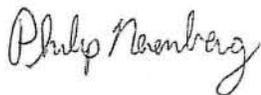


| | | |
|--|---|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 131871 Project Manager: Dan Schall | Reported: 11/01/16 10:03 |
|--|---|-----------------------------|

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 | " | --- | --- | --- |



| | | |
|--|--|-----------------------------|
| 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% | -- | -- | |



| | | |
|--|--|-----------------------------|
| 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 |
|--|--|-----------------------------|

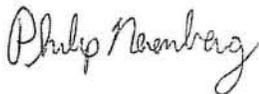
SAMPLE PREPARATION INFORMATION

Total Metals by EPA 200.8 (ICPMS)

| Prep: EPA 3015A | | | | | Sample | Default | RL Prep |
|------------------------|--------|-----------|----------------|----------------|---------------|---------------|---------|
| Lab Number | Matrix | Method | Sampled | Prepared | Initial/Final | Initial/Final | 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 | | | | | Sample | Default | RL Prep |
|---|--------|------------------|----------------|----------------|---------------|---------------|---------|
| Lab Number | Matrix | Method | Sampled | Prepared | Initial/Final | Initial/Final | 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 |



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

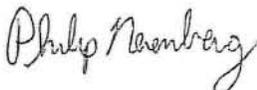
Qualifiers:

- 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 $\frac{1}{2}$ 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

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 |
|--|---|-----------------------------|

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 ESS 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) | <u>4.6</u> | | | | | | |
| Received on Ice? (Y/N) | <u>Y</u> | | | | | | |
| Temp. Blanks? (Y/N) | <u>N</u> | | | | | | |
| Ice Type: (G/Real/Other) | <u>G</u> | | | | | | |
| Condition: | <u>good</u> | | | | | | |

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

Philip Nerenberg

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

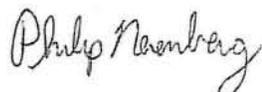
RE: Intel Compliance / 661M11

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

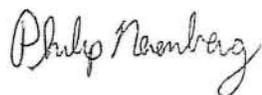
Reported:
11/23/16 17:00

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

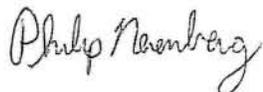
Project: **Intel Compliance**
 Project Number: 661M11
 Project Manager: Tyler Marley

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 | " | " | " | " | |

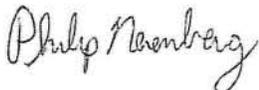


| | | |
|--|--|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 661M11 Project Manager: Tyler Marley | Reported: 11/23/16 17:00 |
|--|--|-----------------------------|

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 |

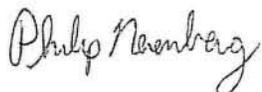


| | | |
|--|--|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 661M11 Project Manager: Tyler Marley | Reported: 11/23/16 17:00 |
|--|--|-----------------------------|

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 |

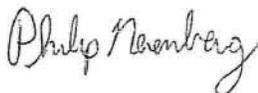


| | | |
|--|---|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 661M11 Project Manager: Tyler Marley | Reported: 11/23/16 17:00 |
|--|---|-----------------------------|

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 |



| | | |
|--|---|-----------------------------|
| 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 |
|--|---|-----------------------------|

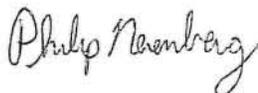
SAMPLE PREPARATION INFORMATION

Total Metals by EPA 200.8 (ICPMS)

| Prep: EPA 3015A | | | | | Sample | Default | RL Prep |
|-----------------|--------|-----------|----------------|----------------|---------------|---------------|---------|
| Lab Number | Matrix | Method | Sampled | Prepared | Initial/Final | Initial/Final | 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 | | | | | Sample | Default | RL Prep |
|------------------------------------|--------|------------------|----------------|----------------|---------------|---------------|---------|
| Lab Number | Matrix | Method | Sampled | Prepared | Initial/Final | Initial/Final | 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 |



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

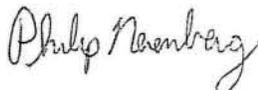
Qualifiers:

- 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 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 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.

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

CHAIN OF CUSTODY

Company: **Apex Labs** Lab # **AL04049** COC 1 of 1

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

Company: **AMEC Foster Wheeler** Project Mgr: **Tyler Marley** Project Name: **Intel Compliance** Project #: **661M11**

Address: **7376 SW Durham Rd Tigard OR 97224** Phone: **503-639-7100** Fax: **503-639-7100** Email: **tyler.marley@amecfoster.com**

Sampled by: **Tyler Marley**

| LAB ID # | DATE | TIME | MATRIX | # OF CONTAINERS | NWTPH-CA | NWTPH-DA | NWTPH-FA | 8260 VOCs Full List | 8260 HHDM VOCs | 8260 HYOCs | 8260 BTEX VOCs | 8270 SVOC | 8270 SIM PAHs | 8082 PCBs | 600 TTO | HCRA Metals (8) | TCLP Metals (8) | AL, SB, Ar, Ba, Be, Bi, Br, Ca, Cd, Cr, Cu, Fe, Pb, P, Se, Si, Sr, Mn, Ni, N, V, Zn, Zn | 1200-COLS | 1200-Z | | |
|----------|-------|------|--------|-----------------|----------|----------|----------|---------------------|----------------|------------|----------------|-----------|---------------|-----------|---------|-----------------|-----------------|---|-----------|--------|---|---|
| RAMP-2 | 11/15 | 0250 | W | 2 | | | | | | | | | | | | | | | | | X | |
| RAMP-3 | 11/14 | 1750 | W | 2 | | | | | | | | | | | | | | | | | | X |

ANALYSIS REQUEST

Site Location: **WA**

Normal Turn Around Time (TAT) = 10 Business Days

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

SPECIAL INSTRUCTIONS: **Please lab filter for discolor EA.**

RECEIVED BY: _____ RECEIVED BY: _____

RELINQUISHED BY: _____ RELINQUISHED BY: _____

Signature: **Tyler Marley** Date: **11/15/16** Signature: **[Signature]** Date: _____

Printed Name: **Tyler Marley** Time: **1710** Printed Name: **[Name]** Time: **1710**

Company: **AMEC Foster Wheeler** Company: _____

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.

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 100499

Project/Project #: Intel Compliance

Delivery info:

Date/Time Received: 11/15/16 @ 1710 By: CB

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

Cooler Inspection Inspected by: CB : 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)

Temp. Blanks? (Y/N)

Ice Type: (Gel/Real/Other)

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: CB : 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: CB Witness: KAL Cooler Inspected by: CB See Project Contact Form: Y

Philip Nerenberg

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

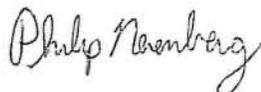
RE: Intel Compliance / 561M131871

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

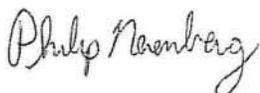
Reported:
02/16/17 17:12

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

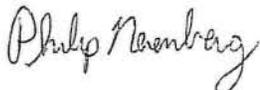
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

| | | |
|--|---|-----------------------------|
| 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 | " | " | " | " | |

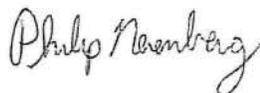


| | | |
|--|---|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 561M131871 Project Manager: Tyler Marley | Reported: 02/16/17 17:12 |
|--|---|-----------------------------|

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 |



AMEC Foster Wheeler
7376 SW Durham Road
Portland, OR 97224

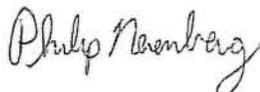
Project: **Intel Compliance**
Project Number: 561M131871
Project Manager: Tyler Marley

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 | " | --- | --- | --- |

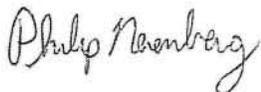


| | | |
|--|---|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 561M131871 Project Manager: Tyler Marley | Reported: 02/16/17 17:12 |
|--|---|-----------------------------|

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% | --- | --- | |



| | | |
|--|--|-----------------------------|
| 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 |
|--|--|-----------------------------|

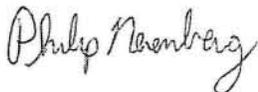
SAMPLE PREPARATION INFORMATION

Total Metals by EPA 200.8 (ICPMS)

| Prep: EPA 3015A | | | | | Sample | Default | RL Prep |
|-----------------------|--------|-----------|----------------|----------------|---------------|---------------|---------|
| Lab Number | Matrix | Method | Sampled | Prepared | Initial/Final | Initial/Final | Factor |
| <u>Batch: 7020479</u> | | | | | | | |
| 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 |
| <u>Batch: 7020501</u> | | | | | | | |
| 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 | | | | | Sample | Default | RL Prep |
|------------------------------------|--------|------------------|----------------|----------------|---------------|---------------|---------|
| Lab Number | Matrix | Method | Sampled | Prepared | Initial/Final | Initial/Final | Factor |
| <u>Batch: 7020395</u> | | | | | | | |
| 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 |



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

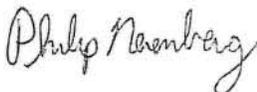
Qualifiers:

- 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 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

CHAIN OF CUSTODY

Lab # AF00114 CDC # of 1

PO# 131871 FA

Company: AMEC Foster Wheeler Project Mgr: Tyler Marley Project Name: Intel Compliance Project # 561M131871 FA

Address: 7376 SW Durham Rd Tigard OR 97224 Phone: 503-659-7400 FAX: _____ Email: Tyler.Marley@amec-foster-wheeler.com

Sampled by: Tyler Marley

| LAB ID # | DATE | TIME | MATRIX | # OF CONTAINERS | SPECIAL INSTRUCTIONS: | | |
|----------|------|------|--------|-----------------|-----------------------|----|--|
| | | | | | YES | NO | |
| 1 | 2/3 | 2205 | W | 2 | | | |
| 2 | ↓ | 2000 | | ↓ | | | |
| 3 | ↓ | 1915 | | ↓ | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

Site Location: WA
Other: _____

SAMPLE ID
1 ALMP-1
2 RAMP-2
3 RAMP-3

Normal Turn Around Time (TAT) = 10 Business Days

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

SPECIAL INSTRUCTIONS: please lab filter for dissolved Zn

RELINQUISHED BY: _____ RECEIVED BY: _____
Signature: Tyler Marley Date: 2/16/17 Signature: [Signature] Date: _____
Printed Name: Tyler Marley Time: 11:00 Printed Name: _____
Company: AMEC Foster Wheeler Company: Apex

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: 561M131871 Project Manager: Tyler Marley | Reported: 02/16/17 17:12 |
|--|---|-----------------------------|

APEX LABS COOLER RECEIPT FORM

Client: Amec Element WO#: AMEC 2/16/17 7B0114
 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>(N)</u> | | | | | | |
| Ice Type: (Gel/Real/Other) | <u>(Gel)</u> | | | | | | |
| Condition: | <u>good</u> | | | | | | |

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 (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

Philip Nerenberg

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

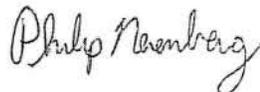
RE: Intel Compliance / 661M131871

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

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: 661M131871
Project Manager: Dan Schall

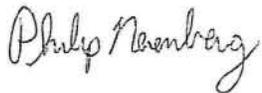
Reported:
04/07/17 16:35

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

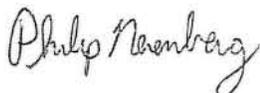
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

| | | |
|--|--|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 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

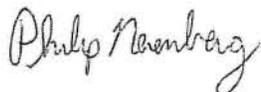
Project: **Intel Compliance**
 Project Number: 661M131871
 Project Manager: Dan Schall

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 |



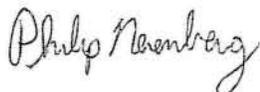
| | | |
|--|---|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 661M131871 Project Manager: Dan Schall | Reported: 04/07/17 16:35 |
|--|---|-----------------------------|

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



Philip Nerenberg, Lab Director

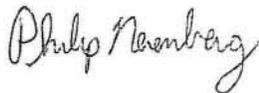
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

| | | |
|--|---|-----------------------------|
| AMEC Foster Wheeler 7376 SW Durham Road Portland, OR 97224 | Project: Intel Compliance Project Number: 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% | --- | --- | |



| | | |
|--|---|-----------------------------|
| 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 |
|--|---|-----------------------------|

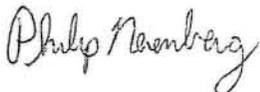
SAMPLE PREPARATION INFORMATION

| Total Metals by EPA 200.8 (ICPMS) | | | | | | | | |
|-----------------------------------|--|--|--|--|--|--|--|--|
|-----------------------------------|--|--|--|--|--|--|--|--|

| Prep: EPA 3015A | | | | | | Sample | Default | RL Prep |
|-----------------|--------|-----------|----------------|----------------|---------------|---------------|---------|---------|
| Lab Number | Matrix | Method | Sampled | Prepared | Initial/Final | Initial/Final | 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 | | | | | | Sample | Default | RL Prep |
|------------------------------------|--------|------------------|----------------|----------------|---------------|---------------|---------|---------|
| Lab Number | Matrix | Method | Sampled | Prepared | Initial/Final | Initial/Final | 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

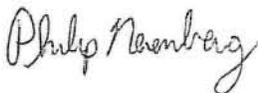
Qualifiers:

- 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.
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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 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: 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** Project Mgr: **Dan Schall** Project Name: **Intel Compliance** Project # **661M131871**
 Address: **7376 SW Durham Road, Portland, OR 97224** Phone: **503-639-3400** Email: **Daniel.Schall@amecfw.com**

Sampled by: **Taylor Marley**

Site Location: **WA** Other: _____

SAMPLE ID: **RAMP-2**
RAMP-3

| LAB ID # | DATE | TIME | MATRIX | # OF CONTAINERS | SWTPH-CLD | SWTPH-DA | SWTPH-GA | 8260 VOCs P&ID List | 8260 RBDN VOCs | 8260 HVOCS | 8260 HTEX VOCs | 8270 SVOC | 8270 SIM PAHs | 8082 PCBs | 600 TTO | RCRA Metals (8) | TCLP Metals (8) | AL, SR, AN, BA, BK, CA, CR, CU, CO, FA, FE, CD, HI, NI, NA, NL, NR, PB, PC, SE, VA, TL, V, W, ZN | 1200-COLS | 1200-Z | |
|----------|-----------|------|--------|-----------------|-----------|----------|----------|---------------------|----------------|------------|----------------|-----------|---------------|-----------|---------|-----------------|-----------------|--|-----------|--------|--|
| | 3/23/2015 | W | 2 | | | | | | | | | | | | | | | | | | |
| | 3/23/2015 | W | 2 | | | | | | | | | | | | | | | | | | |

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS: **Lab filter for Dissolved**

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

RELINQUISHED BY: **Sybil Anady** Date: **3/24/17** Signature: *[Signature]* RECEIVED BY: _____
 Date: **3/24/17** Signature: *[Signature]* Date: _____
 Time: **1200** Printed Name: **M. Marley** Time: **1725**
 Company: **AMEC Foster Wheeler** Company: **Apex Labs**

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.

| | | |
|--|---|-----------------------------|
| 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 CO7le3

Project/Project #: Intel Compliance / 661M131871

Delivery info:

Date/Time Received: 3-24-17 @ 1725 By: MA
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Inspected by: MA : 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) | <u>(Y)</u> | | | | | | |
| Temp. Blanks? (Y/N) | <u>(N)</u> | | | | | | |
| Ice Type: (Gel/Real/Other) | <u>(Real)</u> | | | | | | |
| Condition: | <u>80% good</u> | | | | | | |

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 (NA)

Samples Inspection: Inspected by: MA : 3/24/17 @ 19:52

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: _____ Witness: _____ Cooler Inspected by: _____ See Project Contact Form: Y

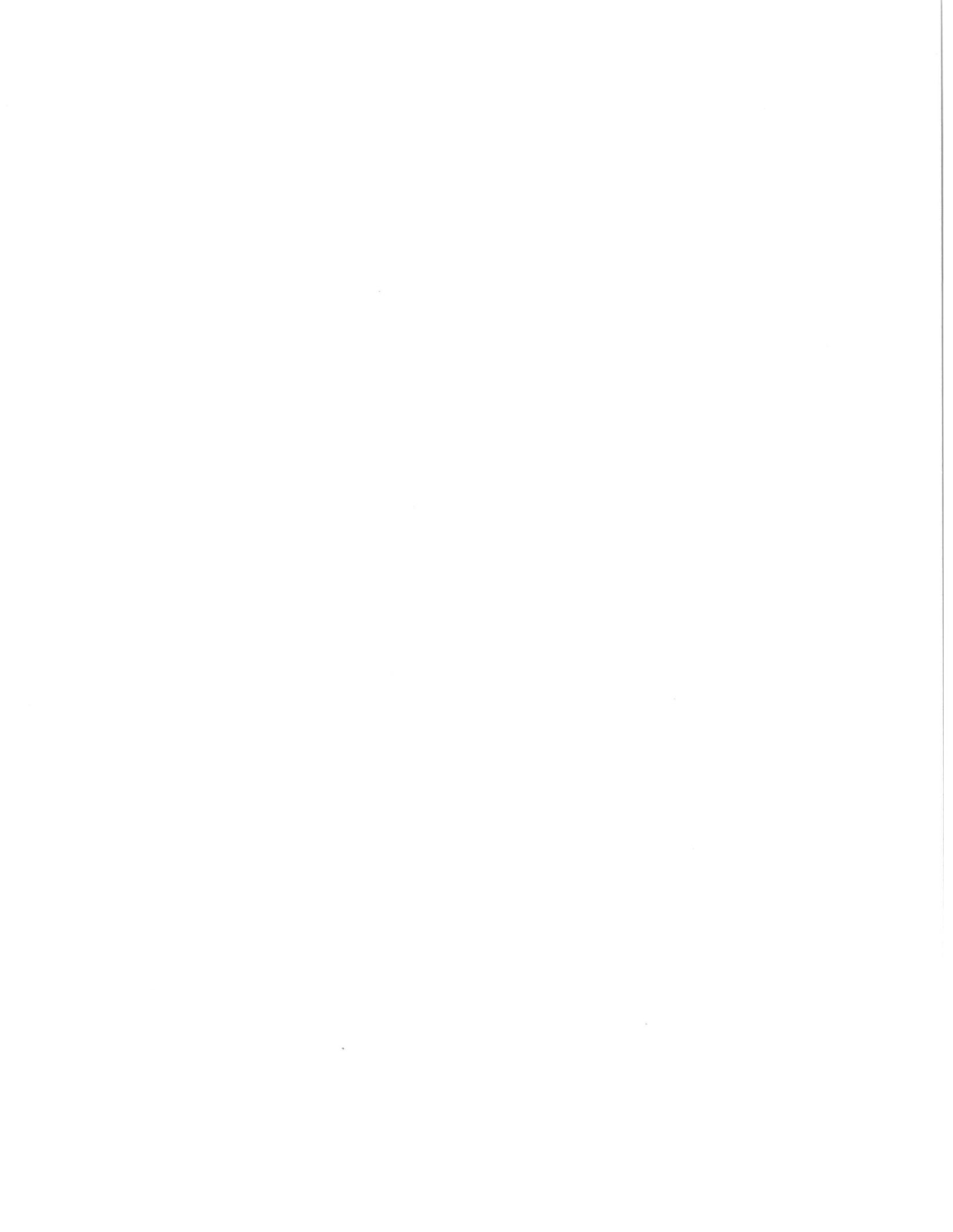
JS MS MS

Philip Nerenberg



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

