

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

CONTACT NAME: Samantha Stoughtenger
 MAILING ADDRESS: 2009 Radcliffe Rd
 Juneau, AK 99801

FACILITY: Salmon Creek Water Plant Backwash
 LOCATION: 3 mile Egan Drive
 Juneau, AK 99801

PERMIT NUMBER: AKG380005

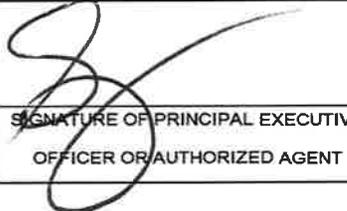
MONITORING PERIOD: 7/1/2016

TO 7/31/2016

OUTFALL / MONITORING POINT: 001A Reverse Flow/Air Scrub

NO DISCHARGE:

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---------------|---------------------|---------|-------|--------------------------|------------------------|-----------------------|-------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | Maximum | | | | |
| Temperature (C) 1 - Final Effluent 00010 | Sample meas. | ***** | ***** | | 11.2 | 11.2 | 11.2 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | ***** | Instantaneous | Instantaneous maximum | DEG.C | | Monthly | Grab |
| Turbidity 1 - Final Effluent 00070 | Sample meas. | ***** | ***** | | 27.4 | 27.4 | 27.4 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | ***** | Instantaneous | Instantaneous maximum | NTU | | Monthly | Grab |
| Magnesium, total recoverable 1 - Final Effluent 00921 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |
| Arsenic, Total Recoverable 1 - Final Effluent 00978 | Sample meas. | ***** | ***** | | 1.9 | 1.9 | 1.9 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | ***** | Instantaneous | Instantaneous maximum | ug/l | | Monthly | Grab |
| Iron, Total Recoverable 1 - Final Effluent 00980 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |

| | | | | |
|---|---|---|---------------|-----------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, 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 fine and imprisonment for knowing violations. | TELEPHONE | DATE | |
| SAMANTHA STOUGHTENGER Utilities SUPERINTENDENT | |  SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | 9075860393 | 16/8/08 |
| TYPED OR PRINTED | | | AREA NUMBER | Y M D |

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NO DISCHARGE:

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---------------|---------------------|---------|-------|--------------------------|------------------------|----------------------|-------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | Maximum | | | | |
| Zinc Total Recoverable 1 - Final Effluent 01094 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |
| Lead Total Recoverable 1 - Final Effluent 01114 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |
| Copper Total Recoverable 1 - Final Effluent 01119 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |
| Manganese, Total Recoverable 1 - Final Effluent 11123 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |
| Chloride 1 - Final Effluent 46225 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | mg/l | | 2X Annually | Grab |

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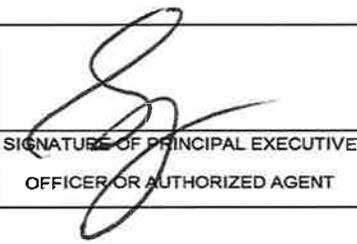
OUTFALL / MONITORING POINT: 001A Reverse Flow/Air Scrub

NO DISCHARGE:

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|---------------|------------------------|----------------------|-------|--------------------------|------------------------|----------------------|-------|-------------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | Maximum | | | | |
| Flow 1 - Final Effluent 50050 | Sample meas. | 0.037 | 0.059 | MGD | ***** | ***** | ***** | | 0 | Continuous | Recorded |
| | Permit reqmt. | Report monthly average | Report daily maximum | | ***** | ***** | ***** | | Continuous | | |
| Sulfate 1 - Final Effluent 81020 | Sample meas. | ***** | ***** | | ***** | | | mg/l | 0 | | Grab |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | | 2X Annually | | |

COMMENTS:

Mail this report when completed to ADEC, Division of Water, 555 Cordova Street, Anchorage, AK 99501-2617
 Attach an explanation of any violations. Reference all attachments below.

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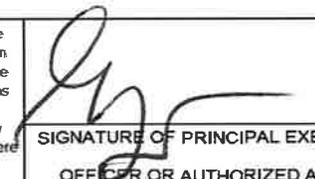
MONITORING PERIOD: 7/1/2016

TO 7/31/2016

OUTFALL / MONITORING POINT: 001B Enhanced Flux Cleaning

NO DISCHARGE:

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---------------|---------------------|---------|-------|---------------------------------|---------------------------|---------------------------------|-------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | Maximum | | | | |
| pH 1 - Final Effluent 00400 | Sample meas. | ***** | ***** | | 6.74 | 6.74 | 6.74 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | 6.5 instantaneous minimum | Instantaneous | 8.5 instantaneous maximum | S.U. | | Monthly | Grab |
| Salinity 1 - Final Effluent 00480 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | PPTH | | 2X Annually | Grab |
| Ammonia Nitrogen (as N) 1 - Final Effluent 00610 | Sample meas. | ***** | ***** | | 0.46 | 0.46 | 0.46 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | ***** | Instantaneous | Instantaneous maximum | mg/l | | Monthly | Grab |
| Magnesium, total recoverable 1 - Final Effluent 00921 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |
| Arsenic, Total Recoverable 1 - Final Effluent 00978 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | 10 daily maximum | ug/l | | 2X Annually | Grab |

| | | | |
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PERMIT NUMBER: AKG380005

MONITORING PERIOD: 7/1/2016

TO 7/31/2016

OUTFALL / MONITORING POINT: 001B Enhanced Flux Cleaning

NO DISCHARGE:

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---------------|---------------------|---------|-------|--------------------------|------------------------|----------------------|-------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | Maximum | | | | |
| Iron, Total Recoverable 1 - Final Effluent 00980 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |
| Zinc Total Recoverable 1 - Final Effluent 01094 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |
| Lead Total Recoverable 1 - Final Effluent 01114 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |
| Copper Total Recoverable 1 - Final Effluent 01119 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |
| Manganese, Total Recoverable 1 - Final Effluent 11123 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | 2X Annually | Grab |

| | | | |
|---|---|-----------------------------|----------------------|
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TO 7/31/2016

OUTFALL / MONITORING POINT: 001B Enhanced Flux Cleaning

NO DISCHARGE:

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|---------------|---------------------|---------|-------|--------------------------|------------------------|----------------------|-------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | Maximum | | | | |
| Chloride 1 - Final Effluent 46225 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | mg/l | | 2X Annually | Grab |
| Total Residual Chlorine 1 - Final Effluent 50060 | Sample meas. | ***** | ***** | | 0.01 | 0.01 | 0.01 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | ***** | 0.0075 monthly average | Report daily maximum | mg/l | | Monthly | Grab |
| Sulfate 1 - Final Effluent 81020 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | mg/l | | 2X Annually | Grab |

COMMENTS: The Ammonia sample was taken on June 28th and set to a lab in Indiana, the sample was prematurely disposed of, therefore no lab result was obtained. See attached letter of non-compliance.

Mail this report when completed to ADEC, Division of Water, 555 Cordova Street, Anchorage, AK 99501-2617

Attach an explanation of any violations. Reference all attachments below.

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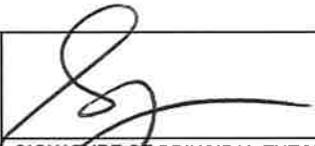
MONITORING PERIOD: 7/1/2016

TO 7/31/2016

OUTFALL / MONITORING POINT: 001C Chemical Clean in Place

NO DISCHARGE:

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---------------|---------------------|---------|-------|---------------------------------|---------------------------|---------------------------------|-------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | z | | | | |
| pH 1 - Final Effluent 00400 | Sample meas. | ***** | ***** | | | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | 6.5 instantaneous minimum | Report monthly average | 8.5 instantaneous maximum | S.U. | | Annually | Grab |
| Salinity 1 - Final Effluent 00480 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | PPTH | | Annually | Grab |
| Ammonia Nitrogen (as N) 1 - Final Effluent 00610 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | mg/l | | Annually | Grab |
| Magnesium, total recoverable 1 - Final Effluent 00921 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | Annually | Grab |
| Arsenic, Total Recoverable 1 - Final Effluent 00978 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | 10 daily maximum | ug/l | | Annually | Grab |

| | | | |
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OUTFALL / MONITORING POINT: 001C Chemical Clean in Place

NO DISCHARGE:

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---------------|---------------------|---------|-------|--------------------------|------------------------|----------------------|-------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | z | | | | |
| Iron, Total Recoverable 1 - Final Effluent 00980 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | Annually | Grab |
| Zinc Total Recoverable 1 - Final Effluent 01094 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | Annually | Grab |
| Lead Total Recoverable 1 - Final Effluent 01114 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | Annually | Grab |
| Copper Total Recoverable 1 - Final Effluent 01119 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | Annually | Grab |
| Manganese, Total Recoverable 1 - Final Effluent 11123 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | ug/l | | Annually | Grab |

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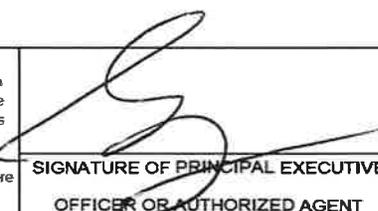
OUTFALL / MONITORING POINT: 001C Chemical Clean in Place

NO DISCHARGE:

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|---------------|---------------------|---------|-------|--------------------------|------------------------|----------------------|-------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | z | | | | |
| Chloride 1 - Final Effluent 46225 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | mg/l | | Annually | Grab |
| Total Residual Chlorine 1 - Final Effluent 50060 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | 0.0075 monthly average | Report daily maximum | mg/l | | Annually | Grab |
| Sulfate 1 - Final Effluent 81020 | Sample meas. | ***** | ***** | | ***** | | | | | 0 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report monthly average | Report daily maximum | mg/l | | Annually | Grab |

COMMENTS:

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