

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

CONTACT NAME: Roger K. Healy
 MAILING ADDRESS: 155 S Seward St
 Juneau, AK 99801

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

PERMIT NUMBER: AKG380005

MONITORING PERIOD: 1/1/2017

TO 1/31/2017

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

NO DISCHARGE:

| Parameter | Sample meas. Permit reqmt. | Quantity or Loading | | Units | Quality or Concentration | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|------------------------------|-------------------------------|---------------------|---------|-------|--------------------------|----------------------|-------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | | | | |
| Temperature (C) | Sample meas. | ***** | ***** | | ***** | 3.4 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | Report instantaneous | Report daily maximum | DEG.C | | Monthly | Grab |
| Turbidity | Sample meas. | ***** | ***** | | ***** | 12.2 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | Report instantaneous | Report daily maximum | NTU | | Monthly | Grab |
| Magnesium, total recoverable | Sample meas. | ***** | ***** | | ***** | 850 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | Report instantaneous | Report daily maximum | ug/l | | 2X Annually | Grab |
| Arsenic, Total Recoverable | Sample meas. | ***** | ***** | | ***** | 1.3 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | Report instantaneous | Report daily maximum | ug/l | | Monthly | Grab |
| Iron, Total Recoverable | Sample meas. | ***** | ***** | | ***** | 310 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | Report instantaneous | Report daily maximum | ug/l | | 2X Annually | Grab |

| | | | |
|--|---|-----------------------|----------------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPED OR PRINTED | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT OFFICER OR AUTHORIZED AGENT | TELEPHONE 586-0877 | DATE 2/8/17 |
| | | AREA NUMBER | Y M D |

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

CONTACT NAME: Roger K. Healy
 MAILING ADDRESS: 155 S Seward St
 Juneau, AK 99801
 FACILITY: Salmon Creek Water Plant Backwash
 LOCATION: 3 mile Egan Drive
 Juneau, AK 99801

PERMIT NUMBER: AKG380005
 MONITORING PERIOD: 1/1/2017 TO 1/31/2017
 NO DISCHARGE:

| Parameter | Sample meas. Permit reqmt. | 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 | ***** | ***** | | ***** | 2.9 | 2.9 | ug/l | 0 | 1 | Grab |
| Lead Total Recoverable | 1 - Final Effluent 01114 | ***** | ***** | | ***** | ND | ND | ug/l | 0 | 2X Annually | Grab |
| Copper Total Recoverable | 1 - Final Effluent 01119 | ***** | ***** | | ***** | ND | ND | ug/l | 0 | 2X Annually | Grab |
| Manganese, Total Recoverable | 1 - Final Effluent 11123 | ***** | ***** | | ***** | 23 | 23 | ug/l | 0 | 2X Annually | Grab |
| Chloride | 1 - Final Effluent 46225 | ***** | ***** | | ***** | ND | ND | mg/l | 0 | 2X Annually | Grab |

| | | | |
|--|--|---|--|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Roger K. Healy TYPED OR PRINTED | 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 violators. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT OFFICER OR AUTHORIZED AGENT | TELEPHONE 586-0877 DATE 2/8/17 AREA NUMBER Y M D Y M D |
|--|--|---|--|

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

CONTACT NAME: Roger K. Healy
 MAILING ADDRESS: 155 S Seward St
 Juneau, AK 99801
 FACILITY: Salmon Creek Water Plant Backwash
 LOCATION: 3 mile Egan Drive
 Juneau, AK 99801

PERMIT NUMBER: AKG380005
 OUTFALL / MONITORING POINT: 001A Reverse Flow/Air Scrub
 MONITORING PERIOD: 1/1/2017 TO 1/31/2017
 NO DISCHARGE:

| Parameter | Sample meas. Permit reqmt. | 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 | 0.020 Report monthly average | 0.03 Report daily maximum | MGD | ***** | ***** | ***** | 0 | Continuous | Recorded | |
| Sulfate | Sample meas. Permit reqmt. 81020 | ***** Report monthly average | ***** Report daily maximum | | ***** | ***** | ND | 0 | 1 | 2X Annually | Grab |

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.

| | | | |
|--|--|-----------------------|----------------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPED OR PRINTED | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE 586-0877 | DATE 2/8/13 |
| | | AREA NUMBER | Y M D |

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

CONTACT NAME: Roger K. Healy
 MAILING ADDRESS: 155 S Seward St
 Juneau, AK 99801

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

PERMIT NUMBER: AKG380005

MONITORING PERIOD: 1/1/2017

TO: 1/31/2017

OUTFALL / MONITORING POINT: 001B Enhanced Flux Cleaning

NO DISCHARGE:

| Parameter | Sample meas. Permit reqmt. | Quantity or Loading | | Units | Quality or Concentration | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|------------------------------|-------------------------------|---------------------|---------|-------|---------------------------|---------------------------|-------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Average | | | | |
| pH | Sample meas. | ***** | ***** | | 7.30 | 7.30 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | 6.5 instantaneous minimum | 8.5 instantaneous maximum | S.U. | | Monthly | Grab |
| Salinity | Sample meas. | ***** | ***** | | ***** | 2.1 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report instantaneous | ppt | | 2X Annually | Grab |
| Ammonia Nitrogen (as N) | Sample meas. | ***** | ***** | | ***** | 0.17 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report instantaneous | mg/l | | Monthly | Grab |
| Magnesium, total recoverable | Sample meas. | ***** | ***** | | ***** | 750 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report instantaneous | ug/l | | 2X Annually | Grab |
| Arsenic, Total Recoverable | Sample meas. | ***** | ***** | | ***** | 5.1 | | 0 | 1 | |
| | Permit reqmt. | ***** | ***** | | ***** | Report instantaneous | ug/l | | 2X Annually | Grab |

| | | | |
|--|---|-----------------------|----------------|
| NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER TYPED OR PRINTED | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT OFFICER OR AUTHORIZED AGENT | TELEPHONE 586-0877 | DATE 2/8/17 |
| | | AREA NUMBER | Y M D |

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

CONTACT NAME: Roger K. Healy
 MAILING ADDRESS: 155 S Seward St
 Juneau, AK 99801
 FACILITY: Salmon Creek Water Plant Backwash
 LOCATION: 3 mile Egan Drive
 Juneau, AK 99801

PERMIT NUMBER: AKG380005
 MONITORING PERIOD: 1/1/2017 TO: 1/31/2017
 NO DISCHARGE:

| Parameter | Quantity or Loading | | Units | Quality or Concentration | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|------------------------------|---------------------|---------|-------|--------------------------|----------------------|-------|---------|-----------------------|-------------|
| | Average | Maximum | | Minimum | Maximum | | | | |
| Iron, Total Recoverable | ***** | ***** | | 1400 | 1400 | | 0 | 1 | |
| 1 - Final Effluent 00980 | ***** | ***** | | Report instantaneous | Report daily maximum | ug/l | | 2X Annually | Grab |
| Zinc Total Recoverable | ***** | ***** | | 4.5 | 4.5 | | 0 | 1 | |
| 1 - Final Effluent 01094 | ***** | ***** | | Report instantaneous | Report daily maximum | ug/l | | 2X Annually | Grab |
| Lead Total Recoverable | ***** | ***** | | ND | ND | | 0 | 1 | |
| 1 - Final Effluent 01114 | ***** | ***** | | Report instantaneous | Report daily maximum | ug/l | | 2X Annually | Grab |
| Copper Total Recoverable | ***** | ***** | | 20 | 20 | | 0 | 1 | |
| 1 - Final Effluent 01119 | ***** | ***** | | Report instantaneous | Report daily maximum | ug/l | | 2X Annually | Grab |
| Manganese, Total Recoverable | ***** | ***** | | 23 | 23 | | 0 | 1 | |
| 1 - Final Effluent 11123 | ***** | ***** | | Report instantaneous | Report daily maximum | ug/l | | 2X Annually | Grab |

| | | | |
|---|---|--|---|
| NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER TYPED OR PRINTED: Roger K. Healy | 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. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE: 586-0877 DATE: 2/8/17 AREA NUMBER: Y M D |
|---|---|--|---|

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

CONTACT NAME: Roger K. Healy
 MAILING ADDRESS: 155 S Seward St
 Juneau, AK 99801
 FACILITY: Salmon Creek Water Plant Backwash
 LOCATION: 3 mile Egan Drive
 Juneau, AK 99801

PERMIT NUMBER: AKG380005
 MONITORING PERIOD: 1/1/2017 TO: 1/31/2017
 NO DISCHARGE:

| Parameter | Sample meas. Permit reqmt. | Quantity or Loading | | Units | Quality or Concentration | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|-------------------------|-------------------------------|---------------------|---------|-------|--------------------------|-----------------------------|----------------------|---------|-----------------------|-------------|
| | | Average | Maximum | | Minimum | Maximum | | | | |
| Chloride | 1 - Final Effluent 46225 | ***** | ***** | | ***** | 210 | 210 | 0 | 1 | |
| | | ***** | ***** | | ***** | Report instantaneous | Report daily maximum | mg/l | 2X Annually | Grab |
| Total Residual Chlorine | Sample meas. | ***** | ***** | | ***** | 0.01 | 0.01 | 0 | 1 | |
| | 1 - Final Effluent 50060 | ***** | ***** | | ***** | 0.0075 Report instantaneous | Report daily maximum | mg/l | Monthly | Grab |
| Sulfate | Sample meas. | ***** | ***** | | ***** | 500 | 500 | 0 | 1 | |
| | 1 - Final Effluent 81020 | ***** | ***** | | ***** | Report instantaneous | Report daily maximum | mg/l | 2X Annually | Grab |

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.

| | | | |
|---|---|-----------------------|----------------|
| NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER TYPED OR PRINTED | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT OFFICER OR AUTHORIZED AGENT | TELEPHONE 586-0877 | DATE 2/8/17 |
| | | AREA NUMBER | Y M D |

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

CONTACT NAME: Roger K. Healy
 MAILING ADDRESS: 155 S Seward St
 Juneau, AK 99801

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

PERMIT NUMBER: AKG380005

MONITORING PERIOD: 1/1/2017

TO: 1/31/2017

OUTFALL / MONITORING POINT: 001C Chemical Clean in Place

NO DISCHARGE:

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

| | | | |
|--|---|-----------------------|----------------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Roger K. Healy | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT OFFICER OR AUTHORIZED AGENT | TELEPHONE 586-0877 | DATE 2/8/17 |
| TYPED OR PRINTED | | AREA NUMBER | Y M D |

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

CONTACT NAME: Roger K. Healy
 MAILING ADDRESS: 155 S Seward St
 Juneau, AK 99801

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

PERMIT NUMBER: AKG380005

OUTFALL / MONITORING POINT: 001C Chemical Clean in Place

MONITORING PERIOD: 1/1/2017

TO: 1/31/2017
 NO DISCHARGE:

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

| | | | |
|--|--|---|---|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Roger K. Healy TYPED OR PRINTED | 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 violators. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT OFFICER OR AUTHORIZED AGENT | TELEPHONE 586-0877 DATE 2/8/17 AREA NUMBER Y M D |
|--|--|---|---|

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

CONTACT NAME: Roger K. Healy
 MAILING ADDRESS: 155 S Seward St
 Juneau, AK 99801

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

PERMIT NUMBER: AKG380005

OUTFALL / MONITORING POINT: 001C Chemical Clean in Place

MONITORING PERIOD: 1/1/2017

TO: 1/31/2017

NO DISCHARGE:

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

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.

| | | | | |
|---|--|---|-----------|--------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Roger K. Healy</i> | 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 violators. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Roger K. Healy</i> | TELEPHONE | DATE |
| | | | 586-0877 | 2/8/17 |
| TYPED OR PRINTED | | AREA NUMBER | Y M D | |