

Jerry L. Storedahl, Owner



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February 8, 2018

2233 Talley Way • Kelso, Washington 98626

ROCK PRODUCTS, GRADING & EXCAVATING

U.S. FISH & WILDLIFE SERVICE  
WFWO

Ms. Bonnie Shorin  
NOAA Fisheries  
510 Desmond Drive SE  
Lacey, WA 98503

MAR - 1 2018

LACEY, WA  
RECEIVED

Mr. Tim Romanski  
U.S. Fish & Wildlife  
510 Desmond Drive SE  
Lacey, WA 98503

Re: Daybreak Habitat Conservation Plan (HCP) Annual Report

To whom it may concern:

Attached is a brief summary of the conservation and monitoring measures at the Daybreak site over the past year. In addition to the summaries, we have included raw data and reports prepared by our staff and consultants as prescribed in the HCP.

Over the past year we have increased the endowment funding to more than \$135,000 per CM-05; mechanically removed invasive vegetation, terraced and planted, fertilized and continue to manage the Dean Creek riparian area per CM-07 & 13; made the annual \$25,000 contribution for offsite floodplain enhancement to the LCFRB per CM-11; and we continued our annual monitoring of the EFLR critical bank stability per MEM-07 (note that report is being forwarded electronically).

NPDES, Pond discharge, Dean Creek and piezometer monitoring points have not changed. As noted last year, we have moved the transparency monitoring to the more recently excavated and reclaimed ponds, referred to as "New Pond 1 through 7" on the attached field data sheets. In order to avoid confusion we attached a copy of Figure 3-34 from the HCP with the designated numbering of the new excavations and a "P" prefix to the 2016 report of conditions.

If you have any questions or comments please feel free to call me, Randy Sweet at (360) 673-5397 or Valerie Uskoski at (360) 831-3184. Note, Randy will be retiring this year and Valerie will be taking over the reporting for the site.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Kimball', is written over a horizontal line.

Kimball Storedahl  
Vice President

cc.

Clark County Building and Planning  
Department of Ecology  
WDNR

## Daybreak Conservation Measures Annual Report for 2017

|       |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CM-01 | Washwater Clarification Process                                                | Daybreak continues to operate via dry processing only and will continue to do so until further notice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CM-02 | Storm Water and Erosion Control Plan and Storm Water Pollution Prevention Plan | The approved Clark County plan continues to be implemented. Turbidity levels at the Pond 5 outfall were slightly higher than past years. This is attributed to the extremely wet Winter in 2017. Turbidity ranged from a low of 4.3 to a high of 7.5 NTUs in the first quarter with a mean of 5.35 NTUs. The second and third quarters had mean levels of 4.8 and 4.6 NTUs, respectively. The wet weather in the Fall and early Winter raised the mean to 5.2 NTUs in the fourth quarter. Notably, there was no flow in Dean Creek from late May through September (see MEM-3 data sheets). DMRs and NPDES General Permit monitoring data is attached.                                                                                                                                |
| CM-03 | Donation of Water Rights                                                       | Storedahl transferred additional water rights to the State Trust for enhancement of instream flows in 2014. That transfer included the portion reserved for "limited irrigation of crops" as the agricultural ground was stripped and no longer in production as reported for 2015. The transfer included 90 afy and a variance was received to allow pumping up to 30 afy, without a meter, for ongoing irrigation on an "as needed" basis for riparian and wetland plantings; and 45 afy reserved for industrial use, i.e., makeup water for the closed-loop clarifier system should it be installed. The irrigation water as well as the final 45 afy used in the closed-loop clarifier system will be donated to the State Trust at the completion of all mining and reclamation. |
| CM-04 | Water Management Plan                                                          | Installation of the pumping system and discharge points along Dean Creek has been eliminated per direction of the Services. Aggradation in Dean Creek has eliminated any benefit to flow augmentation, and only spillway overflow and bottom water gravity discharge are ongoing. If needed irrigation of the Dean Creek riparian plantings will be conducted with a portable gasoline powered pump and irrigation lines. However, that has not been necessary to date.                                                                                                                                                                                                                                                                                                               |
| CM-05 | Conservation and habitat enhancement endowment                                 | As of December 30, 2017 the fund has accrued \$135,586.62 and the year- end bank statement is attached.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CM-06 | Native valley-bottom forest revegetation                                       | The conifer planting is complete and the understory planting is scheduled in years seven through fifteen of operation, partially depending on plant vigor and the success of mechanical weed control.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CM-07 | Floodplain Reestablishment Between Dean Creek and the ponds                    | Terracing prescribed in the HCP was completed and planting of riparian vegetation completed during the Fall of 2013. As noted at MEM-06, mechanical weed control and fertilization is ongoing and the plants are thriving.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|       |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CM-08 | Mining and reclamation designs to reduce the risk of avulsion | Approximate infill and reconfiguration of Pond 1 is 75%; Pond 2 is 90%; and Ponds 3 and Pond 4 are completed. Backfill and grading of the new ponds to the east of Dean Creek is complete, i.e., P-1A & B, and they are scheduled for planting this spring and/or fall (see Figure 3-34 of the HCP).                                                                                                                                                                                                                                                                                                                                                                 |
| CM-09 | Contingency plan for potential avulsion                       | As previously reported, the avulsion sill and overflow spillway are in place.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CM-10 | Study of the Ridgefield Pits and EFLR                         | Surveys of fish species and distribution were completed by R2 Resources, Inc. during the Summer of 2013. Bathymetric surveys were completed by WEST Consultants, Inc. during that same Summer. The 'year 10' follow up surveys are scheduled for this year.                                                                                                                                                                                                                                                                                                                                                                                                          |
| CM-11 | Offsite floodplain Enhancement                                | Storedahl made the fourth cash donation of \$25,000 to the Lower Columbia Fish Recovery Board on January 5, 2018 to cover the 2017 commitment, stipulating that the funds were for use only for habitat enhancement in the EFLR sub-basin.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CM-12 | Conservation easement and fee-simple transfer                 | Storedahl completed its consultation with the Columbia Land Trust and ownership of the 20 acres to the south of Bennett Road was transferred, with a conservation easement, in 2016.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CM-13 | Riparian management zone on Dean Creek                        | As noted under CM-07, initial terracing and riparian planting was completed in the Summer and Fall of 2013 and maintenance of the vegetation is ongoing. As noted above, the backfill and grading to the east, i.e., P-1A & B, of the Dean Creek riparian zone is complete and ready for planting.                                                                                                                                                                                                                                                                                                                                                                   |
| CM-14 | In-channel habitat enhancement in Dean Creek                  | As noted under CM-02 and 04, field observations show that the continuing accumulation of bed load has exacerbated the intermittent flow problems in Dean Creek. The HCP includes "...an adaptive management framework that acknowledges uncertainty inherent in the management of biological systems..." It calls for "...modification of specific conservation measures to increase their effectiveness and benefits, while meeting overall project goals." Storedahl is prepared to discuss any appropriate alternative actions proposed by the Services and to evaluate their effectiveness in meeting the overall project objectives, i.e., habitat enhancement. |
| CM-15 | Shallow water and wetland habitat creation                    | Cells P-1C & D (see figure 3-34 in the HCP) have been excavated, topsoil placed and graded, and wetland vegetation planted. Large wood will be placed as it becomes available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CM-16 | Control of non-native predatory fishes                        | This measure was completed in 2015 and a report of procedures and findings by R2 Resources was provided. The next iteration of this measure is scheduled for 2020.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|       |                                                     |                                                                                         |
|-------|-----------------------------------------------------|-----------------------------------------------------------------------------------------|
| CM-17 | Create habitat suitable<br>For Oregon spotted frogs | To the best of our knowledge, no Oregon spotted frogs have been identified in the area. |
| CM-18 | Control public access                               | Fencing and signage is in place.                                                        |



## Daybreak Monitoring and Evaluation Measures Annual Report for 2017

|        |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MEM-01 | Closed-loop Clarifier                                   | Only dry processing is being used at the site and monitoring is proceeding per the NPDES permit as reported under CM-01.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MEM-02 | NPDES Monitoring                                        | NPDES monitoring is ongoing. A summary is included with the CM-02 report and raw data is attached. PZ-3 water levels ranged from 34 inches in late August and early September to 45 inches in January through early February. Temperatures ranged from 9.0 degrees C in January to a high of 14.2 degrees C in late September. pH measurements ranged from 7.08 to 7.42 (see attached data).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MEM-03 | Water Management Plan Monitoring                        | Flow from Pond 3 into Pond 5 ranged from 4,000 to 7,000 gpm in April and May. Flows fell to as low as 700 gpm in August and were periodically less than 1,000 gpm in July through early September, but in mid-September increased to as much as 1,450 gpm. Temperatures at the Pond 5 outlet ranged from a low of 13.7 to 16.0 degrees C in April through mid-May. Temperatures increased gradually to a high of 25.3 degrees C in late August and then fell to 19.0 in late September. DO was greater than 10.0 mg/L through mid-June and fell to a low of 6.09 mg/L in mid-August before rising to 7.76 mg/L in late September. During the same period, Dean Creek temperatures ranged from 10.1 to 15.2 degrees C in April and early May. They peaked at 16.8 in mid-May when flow ceased through September. Reported DO remained above 11mg/l from April through mid-May when flow ceased through September. Reported transparency ranged from 60 to 63 inches in the newly reclaimed Ponds. Only dry processing is being used at the site, and no dissolved chemicals or additives employed. (see attached data) |
| MEM-04 | Pond, Shallow Water, and Shoreline Structure Monitoring | None of the ponds have been fully excavated and reclaimed to date. Only the cells P-1C & D wetlands are complete, as noted under CM-15.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MEM-05 | Vegetation Monitoring                                   | As noted in previous reports, there was significant mortality after the 2010 planting and approximately 1,000 additional trees were planted in 2011. Planting at cells P-1C & D are healthy and the riparian area along Dean Creek has been planted and fertilized, and mechanical weed control is ongoing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MEM-06 | Dean Creek Riparian and Channel Condition Monitoring    | As noted above, the plantings are thriving with the assistance of mechanical weed control. There has been no need for irrigation to this point, but a variance to the water right has been obtained to allow irrigation with a portable pump as needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|        |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MEM-07 | EFLR Critical Bank Stability Monitoring    | WEST Consultants, Inc. completed their survey in February of 2016 and their report is attached. Their report concludes that "Currently, there are no indications to suggest that the East Fork Lewis river poses a near term avulsion threat to the Daybreak Ponds...However, observations continue to suggest that several small secondary channels are intermittently active within the floodplain between the main channel and Storedahl Pit Road." |
| MEM-08 | Pond Fish Use And Limnological Monitoring  | Monitoring of fish use and water quality was completed in August 2012, and the R2 Technical Memorandum covering that work was previously provided. The Cell 1C & D wetlands (aka. #1 & 2 New Excavated Pond on the data sheets) have been monitored for transparency and results are included with the MEM-03 summary and data sheets.                                                                                                                 |
| MEM-09 | Oregon Spotted Frog Monitoring             | To the best of our knowledge, no Oregon spotted frogs have been identified in Clark County to date.                                                                                                                                                                                                                                                                                                                                                    |
| MEM-10 | Financial Status Of Conservation Endowment | A summary of the financial status of the endowment is included under CM-05 and the year-end bank statement is attached.                                                                                                                                                                                                                                                                                                                                |

**DMR RECORD**  
Daybreak Mine  
Battle Ground, Washington

Sampled By: Jason Stordahl Title: Enviro. Coord. Date: 3-31-17  
Quarter: 1

Monitoring Point: SWA

**Monthly Turbidity Monitoring** (twice per month)

| Month    | Sample Date | Turbidity (NTU) | No Discharge |
|----------|-------------|-----------------|--------------|
| January  | 6           | 5.1             |              |
| January  | 19          | 4.7             |              |
| February | 10          | 4.9             |              |
| February | 27          | 4.3             |              |
| March    | 13          | 7.5             |              |
| March    | 24          | 5.6             |              |

TSS 2-1-17 11.5 mg/L

**OIL SHEEN DETECTED (Daily)**

☒ No  
☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No  
☐ Yes Date \_\_\_\_\_

Monitoring Point: GW1

**OIL SHEEN DETECTED (Daily)**

☒ No  
☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No  
☐ Yes Date \_\_\_\_\_

**DMR RECORD**  
Daybreak Mine  
Battle Ground, Washington

Monitoring Point: GW2

**OIL SHEEN DETECTED (Daily)**

☒ No

☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No

☐ Yes Date \_\_\_\_\_

Monitoring Point: GW3

**OIL SHEEN DETECTED (Daily)**

☒ No

☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No

☐ Yes Date \_\_\_\_\_

Monitoring Point: GW5

**OIL SHEEN DETECTED (Daily)**

☒ No

☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No

☐ Yes Date \_\_\_\_\_

ALS Group USA, Corp.  
dba ALS Environmental

Analytical Report

**Client:** JL Storedahl & Sons, Incorporated  
**Project:**  
**Sample Matrix:** Water  
**Analysis Method:** SM 2540 D  
**Prep Method:** None

**Service Request:** K1700962  
**Date Collected:** 02/1/17  
**Date Received:** 02/1/17

**Units:** mg/L  
**Basis:** NA

**Solids, Total Suspended (TSS)**

| Sample Name   | Lab Code     | Result | MRL | Dil. | Date Analyzed  | Q |
|---------------|--------------|--------|-----|------|----------------|---|
| SWA Daybreak  | K1700962-001 | 11.5   | 5.0 | 1    | 02/02/17 09:48 |   |
| GW2 Carol Pit | K1700962-004 | 9.0    | 5.0 | 1    | 02/02/17 09:48 |   |
| Method Blank  | K1700962-MB1 | ND U   | 4.0 | 1    | 02/02/17 09:48 |   |
| Method Blank  | K1700962-MB2 | ND U   | 5.0 | 1    | 02/02/17 09:48 |   |



DMR RECORD  
Daybreak Mine  
Battle Ground, Washington

Sampled By: Jason Storedahl Title: Enviro. Coord Date: 7-3-17  
Quarter: 2

Monitoring Point: SWA

Monthly Turbidity Monitoring (twice per month)

| Month | Sample Date | Turbidity (NTU) | No Discharge |
|-------|-------------|-----------------|--------------|
| April | 3           | 4.6             |              |
| April | 25          | 4.7             |              |
| May   | 9           | 4.6             |              |
| May   | 31          | 4.8             |              |
| June  | 7           | 5.1             |              |
| June  | 28          | 4.9             |              |

TSS 4-25-17 - NP

OIL SHEEN DETECTED (Daily)

☒ No  
☐ Yes Date \_\_\_\_\_

OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER

☒ No  
☐ Yes Date \_\_\_\_\_

Monitoring Point: GW1

OIL SHEEN DETECTED (Daily)

☒ No  
☐ Yes Date \_\_\_\_\_

OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER

☒ No  
☐ Yes Date \_\_\_\_\_

**DMR RECORD**  
**Daybreak Mine**  
**Battle Ground, Washington**

Monitoring Point: GW2

**OIL SHEEN DETECTED (Daily)**

☒ No

☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No

☐ Yes Date \_\_\_\_\_

Monitoring Point: GW3

**OIL SHEEN DETECTED (Daily)**

☒ No

☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No

☐ Yes Date \_\_\_\_\_

Monitoring Point: GW5

**OIL SHEEN DETECTED (Daily)**

☒ No

☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No

☐ Yes Date \_\_\_\_\_

ALS Group USA, Corp.  
dba ALS Environmental

Analytical Report

Client: JL Storedahl & Sons, Incorporated  
Project: Stormwater  
Sample Matrix: Water  
Analysis Method: SM 2540 D  
Prep Method: None

Service Request: K1704085

Date Collected: 04/25/17

Date Received: 04/25/17

Units: mg/L

Basis: NA

Solids, Total Suspended (TSS)

| Sample Name     | Lab Code     | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------|--------------|--------|-----|------|----------------|---|
| Daybreak SWA    | K1704085-001 | ND U   | 5.0 | 1    | 05/02/17 13:35 |   |
| Carroll Pit SWA | K1704085-002 | 5.0    | 5.0 | 1    | 05/02/17 13:35 |   |
| Coal Creek SWA  | K1704085-003 | ND U   | 5.0 | 1    | 05/02/17 13:35 |   |
| Method Blank    | K1704085-MB1 | ND U   | 5.0 | 1    | 05/02/17 13:35 |   |
| Method Blank    | K1704085-MB2 | ND U   | 5.0 | 1    | 05/02/17 13:35 |   |

**DMR RECORD**  
Daybreak Mine  
Battle Ground, Washington

Sampled By: Jason Storedahl Title: Enviro Coord Date: 10-11-17  
Quarter: 3

Monitoring Point: SWA

**Monthly Turbidity Monitoring** (twice per month)

| Month                     | Sample Date | Turbidity (NTU) | No Discharge |
|---------------------------|-------------|-----------------|--------------|
| <del>July</del> <u>ND</u> | <u>10</u>   | <u>4.6</u>      |              |
| <del>July</del>           | <u>21</u>   | <u>4.7</u>      |              |
| <del>August</del>         | <u>2</u>    | <u>4.4</u>      |              |
| <del>August</del>         | <u>23</u>   | <u>4.4</u>      |              |
| <del>September</del>      | <u>7</u>    | <u>4.6</u>      |              |
| <del>September</del>      | <u>26</u>   | <u>4.8</u>      |              |

TSS - ND 7-25-17

**OIL SHEEN DETECTED (Daily)**

☒ No  
☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No  
☐ Yes Date \_\_\_\_\_

Monitoring Point: GW1

**OIL SHEEN DETECTED (Daily)**

☒ No  
☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No  
☐ Yes Date \_\_\_\_\_

**DMR RECORD**  
Daybreak Mine  
Battle Ground, Washington

Monitoring Point: GW2

**OIL SHEEN DETECTED (Daily)**

☒ No

☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No

☐ Yes Date \_\_\_\_\_

Monitoring Point: GW3

**OIL SHEEN DETECTED (Daily)**

☒ No

☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No

☐ Yes Date \_\_\_\_\_

Monitoring Point: GW5

**OIL SHEEN DETECTED (Daily)**

☒ No

☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No

☐ Yes Date \_\_\_\_\_

ALS Group USA, Corp.  
dba ALS Environmental

Analytical Report

Client: JL Storedahl & Sons, Incorporated  
Project: J.L. Storedahl & Sons  
Sample Matrix: Water  
Analysis Method: SM 2540 D  
Prep Method: None

Service Request: K1707797  
Date Collected: 07/25/17  
Date Received: 07/25/17

Units: mg/L  
Basis: NA

Solids, Total Suspended (TSS)

| Sample Name    | Lab Code     | Result | MRL | Dil. | Date Analyzed  | Q |
|----------------|--------------|--------|-----|------|----------------|---|
| Daybreak SWA   | K1707797-001 | ND U   | 5.0 | 1    | 07/27/17 17:30 |   |
| Coal Creek SWA | K1707797-002 | ND U   | 5.0 | 1    | 07/27/17 17:30 |   |
| Method Blank   | K1707797-MB1 | ND U   | 1.0 | 1    | 07/27/17 17:30 |   |
| Method Blank   | K1707797-MB2 | ND U   | 4.0 | 1    | 07/27/17 17:30 |   |

DMR RECORD  
Daybreak Mine  
Battle Ground, Washington

Sampled By: Jason Storedahl Title: Enviro. Coord Date: 1-3-18  
Quarter: 4

Monitoring Point: SWA

Monthly Turbidity Monitoring (twice per month)

| Month           | Sample Date | Turbidity (NTU) | No Discharge |
|-----------------|-------------|-----------------|--------------|
| <u>October</u>  | <u>4</u>    | <u>5.1</u>      |              |
| <u>October</u>  | <u>25</u>   | <u>4.9</u>      |              |
| <u>November</u> | <u>7</u>    | <u>5.3</u>      |              |
| <u>November</u> | <u>29</u>   | <u>5.6</u>      |              |
| <u>December</u> | <u>5</u>    | <u>5.3</u>      |              |
| <u>December</u> | <u>19</u>   | <u>5.0</u>      |              |

TSS - 6.5 mg/L 11-9-17

OIL SHEEN DETECTED (Daily)

☒ No  
☐ Yes Date \_\_\_\_\_

OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER

☒ No  
☐ Yes Date \_\_\_\_\_

Monitoring Point: GW1

OIL SHEEN DETECTED (Daily)

☒ No  
☐ Yes Date \_\_\_\_\_

OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER

☒ No  
☐ Yes Date \_\_\_\_\_



**DMR RECORD**  
Daybreak Mine  
Battle Ground, Washington

Monitoring Point: GW2

**OIL SHEEN DETECTED (Daily)**

☒ No  
☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No  
☐ Yes Date \_\_\_\_\_

Monitoring Point: GW3

**OIL SHEEN DETECTED (Daily)**

☒ No  
☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No  
☐ Yes Date \_\_\_\_\_

Monitoring Point: GW5

**OIL SHEEN DETECTED (Daily)**

☒ No  
☐ Yes Date \_\_\_\_\_

**OIL SHEEN/PETROLEUM PRODUCTES DISCHARGED TO GROUND OR SURFACE WATER**

☒ No  
☐ Yes Date \_\_\_\_\_

Analytical Report

**Client:** JL Storedahl & Sons, Incorporated  
**Project:** J.L. Storedahl & Sons  
**Sample Matrix:** Water  
**Analysis Method:** SM 2540 D  
**Prep Method:** None

**Service Request:** K1712196  
**Date Collected:** 11/9/17  
**Date Received:** 11/9/17

**Units:** mg/L  
**Basis:** NA

**Solids, Total Suspended (TSS)**

| Sample Name     | Lab Code     | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------|--------------|--------|-----|------|----------------|---|
| Daybreak SW A   | K1712196-001 | 6.5    | 5.0 | 1    | 11/15/17 20:30 |   |
| Coal Creek SW A | K1712196-002 | ND U   | 5.0 | 1    | 11/15/17 20:30 |   |
| Method Blank    | K1712196-MB1 | ND U   | 1.0 | 1    | 11/15/17 20:30 |   |
| Method Blank    | K1712196-MB2 | ND U   | 1.0 | 1    | 11/15/17 20:30 |   |

**J.L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**MEM-02/ Clark County Groundwater Monitoring Record – Page 3 of 8**

| LOCATION | MONTH     | DATE       | pH<br>(std. units) | Temperature<br>(°C) | Water<br>Level |
|----------|-----------|------------|--------------------|---------------------|----------------|
| PZ-3*    | January   | 1-4-2017   | 7.08               | 9.0                 | 45"            |
|          |           | 1-24-2017  | 7.15               | 9.0                 | 45"            |
|          | February  | 2-7-2017   | 7.19               | 9.1                 | 45"            |
|          |           | 2-23-2017  | 7.22               | 9.4                 | 44"            |
|          | March     | 3-9-2017   | 7.30               | 9.8                 | 43"            |
|          |           | 3-21-2017  | 7.36               | 9.8                 | 42"            |
|          | April     | 4-11-2017  | 7.28               | 10.0                | 41"            |
|          |           | 4-26-2017  | 7.31               | 10.1                | 41"            |
|          | May       | 5-8-2017   | 7.21               | 10.3                | 40"            |
|          |           | 5-25-2017  | 7.20               | 10.5                | 39"            |
|          | June      | 6-6-2017   | 7.32               | 11.2                | 39"            |
|          |           | 6-22-2017  | 7.19               | 11.6                | 38"            |
|          | July      | 7-5-2017   | 7.28               | 12.5                | 36"            |
|          |           | 7-26-2017  | 7.26               | 13.2                | 36"            |
|          | August    | 8-9-2017   | 7.22               | 13.8                | 35"            |
|          |           | 8-29-2017  | 7.38               | 13.9                | 34"            |
|          | September | 9-6-2017   | 7.41               | 14.1                | 34"            |
|          |           | 9-28-2017  | 7.29               | 14.2                | 34"            |
|          | October   | 10-4-2017  | 7.26               | 14.0                | 35"            |
|          |           | 10-18-2017 | 7.34               | 13.8                | 37"            |
|          | November  | 11-2-2017  | 7.42               | 13.4                | 39"            |
|          |           | 11-24-2017 | 7.26               | 12.7                | 42"            |
|          | December  | 12-5-2017  | 7.11               | 11.9                | 42"            |
|          |           | 12-19-2017 | 7.08               | 11.1                | 43"            |

\* Monitoring should coincide with SW-A (Pond 5) monitoring.

**J.L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**Pond 3 MEM-03 Monitoring Record – Page 1 of 5**

Year 2017

| Pond 3 |      |                                        |       |                          |
|--------|------|----------------------------------------|-------|--------------------------|
| Month  | Date | Staff Gauge Reading <i>Flow</i><br>GPM |       | Water Level (Elev. AMSL) |
| MAY    | 1    | .88                                    | 6,000 | 30.75                    |
|        | 2    | .88                                    | 6,000 | 30.75                    |
|        | 3    | .86                                    | 5,700 | 30.74                    |
|        | 4    | .86                                    | 5,700 | 30.75                    |
|        | 5    | .85                                    | 5,650 | 30.74                    |
|        | 8    | .84                                    | 5,600 | 30.72                    |
|        | 9    | .84                                    | 5,600 | 30.70                    |
|        | 10   | .82                                    | 5,400 | 30.70                    |
|        | 11   | .81                                    | 5,250 | 30.71                    |
|        | 12   | .81                                    | 5,250 | 30.70                    |
|        | 15   | .79                                    | 5,100 | 30.68                    |
|        | 16   | .77                                    | 4,900 | 30.68                    |
|        | 17   | .78                                    | 4,950 | 30.66                    |
|        | 18   | .77                                    | 4,900 | 30.65                    |
|        | 19   | .75                                    | 4,800 | 30.64                    |
|        | 22   | .74                                    | 4,600 | 30.64                    |
|        | 23   | .72                                    | 4,400 | 30.62                    |
|        | 24   | .72                                    | 4,400 | 30.62                    |
|        | 25   | .71                                    | 4,350 | 30.63                    |
|        | 26   | .71                                    | 4,350 | 30.61                    |
|        | 29   | .68                                    | 4,175 | 30.59                    |
|        | 30   | .68                                    | 4,175 | 30.59                    |
|        | 31   | .67                                    | 4,000 | 30.58                    |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |

**J.L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**Pond 3 MEM-03 Monitoring Record – Page 2 of 5**

Year 2017

| Pond 3 |      |                                        |       |                          |
|--------|------|----------------------------------------|-------|--------------------------|
| Month  | Date | Staff Gauge Reading <i>Flow</i><br>GPM |       | Water Level (Elev. AMSL) |
| JUN    | 1    | .67                                    | 4,000 | 30.57                    |
|        | 2    | .65                                    | 3,800 | 30.56                    |
|        | 5    | .62                                    | 3,500 | 30.56                    |
|        | 6    | .61                                    | 3,500 | 30.55                    |
|        | 7    | .61                                    | 3,500 | 30.54                    |
|        | 8    | .60                                    | 3,250 | 30.52                    |
|        | 9    | .60                                    | 3,250 | 30.51                    |
|        | 12   | .57                                    | 2,900 | 30.46                    |
|        | 13   | .56                                    | 2,800 | 30.44                    |
|        | 14   | .55                                    | 2,750 | 30.45                    |
|        | 15   | .53                                    | 2,700 | 30.44                    |
|        | 16   | .51                                    | 2,600 | 30.42                    |
|        | 19   | .47                                    | 2,500 | 30.37                    |
|        | 20   | .45                                    | 2,250 | 30.36                    |
|        | 21   | .45                                    | 2,250 | 30.35                    |
|        | 22   | .44                                    | 2,200 | 30.34                    |
|        | 23   | .43                                    | 2,150 | 30.31                    |
|        | 26   | .40                                    | 1,900 | 30.29                    |
|        | 27   | .39                                    | 1,850 | 30.28                    |
|        | 28   | .39                                    | 1,850 | 30.26                    |
|        | 29   | .37                                    | 1,750 | 30.25                    |
|        | 30   | .36                                    | 1,675 | 30.25                    |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |

J.L. Storedahl & Sons, Inc.  
Daybreak Mine  
Pond 3 MEM-03 Monitoring Record – Page 3 of 5

Year 2017

| Pond 3 |      |                                        |       |                          |
|--------|------|----------------------------------------|-------|--------------------------|
| Month  | Date | Staff Gauge Reading <i>Flow</i><br>GPM |       | Water Level (Elev. AMSL) |
| JUL    | 3    | .33                                    | 1,450 | 30.24                    |
|        | 4    | .33                                    | 1,450 | 30.24                    |
|        | 5    | .31                                    | 1,350 | 30.25                    |
|        | 6    | .30                                    | 1,200 | 30.32                    |
|        | 7    | .29                                    | 1,150 | 30.28                    |
|        | 10   | .27                                    | 1,100 | 30.27                    |
|        | 11   | .26                                    | 1,000 | 30.30                    |
|        | 12   | .25                                    | 950   | 30.28                    |
|        | 13   | .25                                    | 950   | 30.32                    |
|        | 14   | .24                                    | 850   | 30.27                    |
|        | 17   | .22                                    | 750   | 30.26                    |
|        | 18   | .21                                    | 700   | 30.26                    |
|        | 19   | .21                                    | 700   | 30.29                    |
|        | 20   | .22                                    | 750   | 30.29                    |
|        | 21   | .21                                    | 700   | 30.28                    |
|        | 24   | .20                                    | 700   | 30.26                    |
|        | 25   | .21                                    | 700   | 30.24                    |
|        | 26   | .21                                    | 700   | 30.25                    |
|        | 27   | .22                                    | 750   | 30.26                    |
|        | 28   | .21                                    | 750   | 30.26                    |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |
|        |      |                                        |       |                          |



**J.L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**Pond 3 MEM-03 Monitoring Record – Page 4 of 5**

Year 2017

| Pond 3 |      |                                            |     |                          |
|--------|------|--------------------------------------------|-----|--------------------------|
| Month  | Date | Staff Gauge Reading <sup>Flow</sup><br>GPM |     | Water Level (Elev. AMSL) |
| AUG    | 1    | .21                                        | 750 | 30.216                   |
|        | 2    | .21                                        | 750 | 30.28                    |
|        | 3    | .21                                        | 750 | 30.25                    |
|        | 4    | .20                                        | 700 | 30.24                    |
|        | 7    | .21                                        | 750 | 30.22                    |
|        | 8    | .20                                        | 700 | 30.23                    |
|        | 9    | .21                                        | 750 | <del>30.20</del>         |
|        | 10   | .21                                        | 750 | 30.22                    |
|        | 11   | .20                                        | 700 | 30.23                    |
|        | 14   | .20                                        | 700 | 30.24                    |
|        | 15   | .21                                        | 750 | 30.22                    |
|        | 16   | .22                                        | 750 | 30.22                    |
|        | 17   | .21                                        | 750 | 30.23                    |
|        | 18   | .20                                        | 700 | 30.24                    |
|        | 21   | .20                                        | 700 | 30.22                    |
|        | 22   | .21                                        | 750 | 30.24                    |
|        | 23   | .20                                        | 700 | 30.26                    |
|        | 24   | .21                                        | 750 | 30.25                    |
|        | 25   | .22                                        | 750 | 30.23                    |
|        | 28   | .21                                        | 750 | 30.24                    |
|        | 29   | .20                                        | 700 | 30.25                    |
|        | 30   | .21                                        | 750 | 30.22                    |
|        | 31   | .21                                        | 750 | 30.21                    |
|        |      |                                            |     |                          |
|        |      |                                            |     |                          |

**J.L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**Pond 3 MEM-03 Monitoring Record – Page 5 of 5**

Year 2017

| Pond 3 |      |                     |       |                          |
|--------|------|---------------------|-------|--------------------------|
| Month  | Date | Staff Gauge Reading |       | Water Level (Elev. AMSL) |
| SEP    | 1    | .21                 | 750   | 30.23                    |
|        | 4    | .22                 | 750   | 30.26                    |
|        | 5    | .24                 | 850   | 30.24                    |
|        | 6    | .25                 | 950   | 30.25                    |
|        | 7    | .24                 | 850   | 30.30                    |
|        | 8    | .26                 | 1,000 | 30.29                    |
|        | 11   | .31                 | 1,350 | 30.31                    |
|        | 12   | .30                 | 1,200 | 30.33                    |
|        | 13   | .31                 | 1,350 | 30.30                    |
|        | 14   | .29                 | 1,150 | 30.28                    |
|        | 15   | .32                 | 1,400 | 30.29                    |
|        | 18   | .35                 | 1,450 | 30.35                    |
|        | 19   | .32                 | 1,400 | 30.33                    |
|        | 20   | .31                 | 1,350 | 30.30                    |
|        | 21   | .28                 | 1,100 | 30.29                    |
|        | 22   | .29                 | 1,150 | 30.32                    |
|        | 25   | .25                 | 950   | 30.28                    |
|        | 26   | .27                 | 1,050 | 30.25                    |
|        | 27   | .29                 | 1,150 | 30.29                    |
|        | 28   | .27                 | 1,050 | 30.30                    |
|        | 29   | .28                 | 1,100 | 30.31                    |
|        |      |                     |       |                          |
|        |      |                     |       |                          |
|        |      |                     |       |                          |
|        |      |                     |       |                          |



**J.L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**Pond 3 MEM-03 Monitoring Record – Page 1 of 5**

Year 2017

| Pond 3 |      |                                            |       |                          |
|--------|------|--------------------------------------------|-------|--------------------------|
| Month  | Date | Staff Gauge Reading <sup>Flow</sup><br>GPM |       | Water Level (Elev. AMSL) |
| APRIL  | 3    | .98                                        | 7,000 | 30.90                    |
|        | 4    | .98                                        | 7,000 | 30.90                    |
|        | 5    | .97                                        | 7,000 | 30.89                    |
|        | 6    | .97                                        | 7,000 | 30.88                    |
|        | 7    | .97                                        | 7,000 | 30.90                    |
|        | 10   | .96                                        | 7,000 | 30.89                    |
|        | 11   | .96                                        | 7,000 | 30.88                    |
|        | 12   | .95                                        | 6,800 | 30.86                    |
|        | 13   | .94                                        | 6,600 | 30.86                    |
|        | 14   | .94                                        | 6,600 | 30.84                    |
|        | 17   | .95                                        | 6,800 | 30.86                    |
|        | 18   | .93                                        | 6,400 | 30.86                    |
|        | 19   | .93                                        | 6,400 | 30.82                    |
|        | 20   | .91                                        | 6,350 | 30.80                    |
|        | 21   | .91                                        | 6,350 | 30.80                    |
|        | 24   | .90                                        | 6,300 | 30.81                    |
|        | 25   | .90                                        | 6,300 | 30.79                    |
|        | 26   | .90                                        | 6,300 | 30.77                    |
|        | 27   | .89                                        | 6,100 | 30.75                    |
|        | 28   | .89                                        | 6,100 | 30.75                    |
|        |      |                                            |       |                          |
|        |      |                                            |       |                          |
|        |      |                                            |       |                          |
|        |      |                                            |       |                          |
|        |      |                                            |       |                          |

**J. L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**SW A (Pond 5) MEM-03 Monitoring Record – Page 1 of 5**

Year 2017

| SW A (Pond 5) |      |                  |            |       |                     |                          |
|---------------|------|------------------|------------|-------|---------------------|--------------------------|
| Month         | Date | Temperature (°C) | Flow (GPM) | DO    | Staff Gauge Reading | Water Level (Elev. AMSL) |
| MAY           | 1    | 15.0             |            | 11.87 |                     | 30.68                    |
|               | 2    | 15.1             |            | 11.79 |                     | 30.68                    |
|               | 3    | 15.1             |            | 12.03 |                     | 30.66                    |
|               | 4    | 15.2             |            | 11.76 |                     | 30.66                    |
|               | 5    | 15.3             |            | 11.81 |                     | 30.65                    |
|               | 8    | 15.5             |            | 11.69 |                     | 30.62                    |
|               | 9    | 15.6             |            | 11.54 |                     | 30.60                    |
|               | 10   | 15.7             |            | 11.49 |                     | 30.60                    |
|               | 11   | 15.8             |            | 11.78 |                     | 30.58                    |
|               | 12   | 15.8             |            | 11.37 |                     | 30.58                    |
|               | 15   | 16.0             |            | 11.13 |                     | 30.56                    |
|               | 16   | 16.1             |            | 10.89 |                     | 30.55                    |
|               | 17   | 16.0             |            | 11.18 |                     | 30.54                    |
|               | 18   | 16.2             |            | 11.04 |                     | 30.52                    |
|               | 19   | 16.4             |            | 10.81 |                     | 30.50                    |
|               | 22   | 16.9             |            | 11.12 |                     | 30.47                    |
|               | 23   | 17.1             |            | 10.97 |                     | 30.46                    |
|               | 24   | 17.2             |            | 10.91 |                     | 30.45                    |
|               | 25   | 17.2             |            | 10.85 |                     | 30.41                    |
|               | 26   | 17.4             |            | 11.10 |                     | 30.40                    |
|               | 29   | 17.7             |            | 10.72 |                     | 30.36                    |
|               | 30   | 17.7             |            | 10.65 |                     | 30.35                    |
|               | 31   | 17.8             |            | 10.47 |                     | 30.32                    |
|               |      |                  |            |       |                     |                          |
|               |      |                  |            |       |                     |                          |

## J. L. Storedahl &amp; Sons, Inc.

## Daybreak Mine

## SW A (Pond 5) MEM-03 Monitoring Record – Page 2 of 5

Year 2017

| SW A (Pond 5) |      |                  |            |       |                     |                          |
|---------------|------|------------------|------------|-------|---------------------|--------------------------|
| Month         | Date | Temperature (°C) | Flow (GPM) | DO    | Staff Gauge Reading | Water Level (Elev. AMSL) |
| JUN           | 1    | 17.8             |            | 10.86 |                     | 30.32                    |
|               | 2    | 17.9             |            | 10.54 |                     | 30.30                    |
|               | 5    | 17.9             |            | 10.63 |                     | 30.29                    |
|               | 6    | 18.0             |            | 10.47 |                     | 30.28                    |
|               | 7    | 18.0             |            | 10.35 |                     | 30.27                    |
|               | 8    | 18.1             |            | 10.51 |                     | 30.26                    |
|               | 9    | 18.0             |            | 10.28 |                     | 30.26                    |
|               | 12   | 18.3             |            | 10.34 |                     | 30.24                    |
|               | 13   | 18.4             |            | 10.19 |                     | 30.24                    |
|               | 14   | 18.5             |            | 10.28 |                     | 30.23                    |
|               | 15   | 18.6             |            | 10.07 |                     | 30.22                    |
|               | 16   | 18.8             |            | 9.87  |                     | 30.21                    |
|               | 19   | 18.8             |            | 10.13 |                     | 30.20                    |
|               | 20   | 18.9             |            | 9.79  |                     | 30.18                    |
|               | 21   | 19.0             |            | 9.68  |                     | 30.17                    |
|               | 22   | 19.1             |            | 9.83  |                     | 30.15                    |
|               | 23   | 19.2             |            | 9.58  |                     | 30.13                    |
|               | 26   | 19.6             |            | 10.02 |                     | 30.10                    |
|               | 27   | 19.6             |            | 9.93  |                     | 30.10                    |
|               | 28   | 19.7             |            | 9.84  |                     | 30.12                    |
|               | 29   | 19.7             |            | 9.60  |                     | 30.11                    |
|               | 30   | 19.8             |            | 9.48  |                     | 30.10                    |
|               |      |                  |            |       |                     |                          |
|               |      |                  |            |       |                     |                          |
|               |      |                  |            |       |                     |                          |

**J. L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**SW A (Pond 5) MEM-03 Monitoring Record – Page 3 of 5**

Year 2017

| SW A (Pond 5) |      |                  |            |      |                     |                          |
|---------------|------|------------------|------------|------|---------------------|--------------------------|
| Month         | Date | Temperature (°C) | Flow (GPM) | DO   | Staff Gauge Reading | Water Level (Elev. AMSL) |
| JUL           | 3    | 19.8             |            | 9.32 |                     | 30.10                    |
|               | 4    | 19.9             |            | 9.18 |                     | 30.12                    |
|               | 5    | 20.1             |            | 9.21 |                     | 30.11                    |
|               | 6    | 20.2             |            | 9.06 |                     | 30.13                    |
|               | 7    | 20.4             |            | 8.79 |                     | 30.11                    |
|               | 10   | 20.8             |            | 8.87 |                     | 30.12                    |
|               | 11   | 21.0             |            | 8.62 |                     | 30.14                    |
|               | 12   | 21.0             |            | 8.47 |                     | 30.13                    |
|               | 13   | 21.2             |            | 8.29 |                     | 30.12                    |
|               | 14   | 21.4             |            | 8.72 |                     | 30.11                    |
|               | 17   | 21.8             |            | 8.06 |                     | 30.12                    |
|               | 18   | 22.0             |            | 7.79 |                     | 30.14                    |
|               | 19   | 22.1             |            | 7.41 |                     | 30.12                    |
|               | 20   | 22.4             |            | 7.19 |                     | 30.14                    |
|               | 21   | 22.5             |            | 7.31 |                     | 30.16                    |
|               | 24   | 22.9             |            | 7.12 |                     | 30.14                    |
|               | 25   | 22.9             |            | 7.43 |                     | 30.13                    |
|               | 26   | 23.1             |            | 7.16 |                     | 30.14                    |
|               | 27   | 23.0             |            | 6.85 |                     | 30.16                    |
|               | 28   | 23.1             |            | 6.98 |                     | 30.17                    |
|               |      |                  |            |      |                     |                          |
|               |      |                  |            |      |                     |                          |
|               |      |                  |            |      |                     |                          |
|               |      |                  |            |      |                     |                          |
|               |      |                  |            |      |                     |                          |

## J. L. Storedahl &amp; Sons, Inc.

## Daybreak Mine

## SW A (Pond 5) MEM-03 Monitoring Record – Page 4 of 5

Year 2017

| SW A (Pond 5) |      |                  |            |      |                     |                          |
|---------------|------|------------------|------------|------|---------------------|--------------------------|
| Month         | Date | Temperature (°C) | Flow (GPM) | DO   | Staff Gauge Reading | Water Level (Elev. AMSL) |
| AUG           | 1    | 23.2             |            | 6.91 |                     | 30.17                    |
|               | 2    | 23.3             |            | 6.82 |                     | 30.17                    |
|               | 3    | 23.5             |            | 6.61 |                     | 30.16                    |
|               | 4    | 23.6             |            | 6.87 |                     | 30.18                    |
|               | 7    | 23.7             |            | 6.54 |                     | 30.20                    |
|               | 8    | 23.7             |            | 6.61 |                     | 30.19                    |
|               | 9    | 23.7             |            | 6.35 |                     | 30.20                    |
|               | 10   | 24.0             |            | 6.28 |                     | 30.20                    |
|               | 11   | 24.4             |            | 6.09 |                     | 30.21                    |
|               | 14   | 24.5             |            | 6.13 |                     | 30.22                    |
|               | 15   | 24.8             |            | 6.22 |                     | 30.21                    |
|               | 16   | 24.9             |            | 6.34 |                     | 30.21                    |
|               | 17   | 25.0             |            | 6.27 |                     | 30.26                    |
|               | 18   | 25.0             |            | 6.41 |                     | 30.22                    |
|               | 21   | 25.3             |            | 6.53 |                     | 30.20                    |
|               | 22   | 25.3             |            | 6.62 |                     | 30.21                    |
|               | 23   | 25.2             |            | 6.71 |                     | 30.22                    |
|               | 24   | 25.2             |            | 6.52 |                     | 30.23                    |
|               | 25   | 25.1             |            | 6.46 |                     | 30.23                    |
|               | 28   | 24.7             |            | 6.58 |                     | 30.22                    |
|               | 29   | 24.9             |            | 6.38 |                     | 30.23                    |
|               | 30   | 24.9             |            | 6.41 |                     | 30.23                    |
|               | 31   | 25.0             |            | 6.47 |                     | 30.22                    |
|               |      |                  |            |      |                     |                          |
|               |      |                  |            |      |                     |                          |



**J. L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**SW A (Pond 5) MEM-03 Monitoring Record – Page 5 of 5**

Year 2017

| SW A (Pond 5) |      |                  |            |      |                     |                          |
|---------------|------|------------------|------------|------|---------------------|--------------------------|
| Month         | Date | Temperature (°C) | Flow (GPM) | DO   | Staff Gauge Reading | Water Level (Elev. AMSL) |
| SEP           | 1    | 25.0             |            | 6.58 |                     | 30.27                    |
|               | 4    | 25.1             |            | 6.64 |                     | 30.23                    |
|               | 5    | 25.0             |            | 6.71 |                     | 30.24                    |
|               | 6    | 24.8             |            | 6.83 |                     | 30.25                    |
|               | 7    | 24.5             |            | 6.69 |                     | 30.24                    |
|               | 8    | 24.1             |            | 6.78 |                     | 30.24                    |
|               | 11   | 23.6             |            | 6.88 |                     | 30.25                    |
|               | 12   | 23.4             |            | 6.95 |                     | 30.26                    |
|               | 13   | 23.2             |            | 7.04 |                     | 30.25                    |
|               | 14   | 22.9             |            | 7.15 |                     | 30.26                    |
|               | 15   | 22.6             |            | 7.18 |                     | 30.27                    |
|               | 18   | 21.9             |            | 7.22 |                     | 30.27                    |
|               | 19   | 21.3             |            | 7.28 |                     | 30.28                    |
|               | 20   | 21.1             |            | 7.25 |                     | 30.27                    |
|               | 21   | 21.0             |            | 7.39 |                     | 30.27                    |
|               | 22   | 20.8             |            | 7.42 |                     | 30.28                    |
|               | 25   | 20.4             |            | 7.51 |                     | 30.29                    |
|               | 26   | 20.1             |            | 7.58 |                     | 30.28                    |
|               | 27   | 19.4             |            | 7.63 |                     | 30.27                    |
|               | 28   | 19.2             |            | 7.70 |                     | 30.28                    |
|               | 29   | 19.0             |            | 7.76 |                     | 30.29                    |
|               |      |                  |            |      |                     |                          |
|               |      |                  |            |      |                     |                          |
|               |      |                  |            |      |                     |                          |
|               |      |                  |            |      |                     |                          |

Year 2017

## Dean Creek

| Month | Date | Temperature (°C) | Flow (GPM) | DO    | Staff Gauge Reading | Water Level (Elev. AMSL) |
|-------|------|------------------|------------|-------|---------------------|--------------------------|
| APRIL | 3    | 10.6             |            | 11.85 |                     | 28.85                    |
|       | 4    | 10.1             |            | 11.81 |                     | 28.85                    |
|       | 5    | 10.1             |            | 11.93 |                     | 28.83                    |
|       | 6    | 11.1             |            | 11.87 |                     | 28.83                    |
|       | 7    | 10.9             |            | 11.91 |                     | 28.83                    |
|       | 10   | 11.2             |            | 12.17 |                     | 28.80                    |
|       | 11   | 11.2             |            | 12.08 |                     | 28.80                    |
|       | 12   | 10.8             |            | 12.20 |                     | 28.78                    |
|       | 13   | 10.9             |            | 12.11 |                     | 28.75                    |
|       | 14   | 11.2             |            | 12.15 |                     | 28.72                    |
|       | 17   | 11.6             |            | 12.25 |                     | 28.67                    |
|       | 18   | 11.8             |            | 12.34 |                     | 28.67                    |
|       | 19   | 12.2             |            | 12.28 |                     | 28.64                    |
|       | 20   | 12.5             |            | 12.41 |                     | 28.60                    |
|       | 21   | 12.8             |            | 12.67 |                     | 28.58                    |
|       | 24   | 12.9             |            | 12.96 |                     | 28.60                    |
|       | 25   | 13.2             |            | 12.46 |                     | 28.54                    |
|       | 26   | 13.4             |            | 12.04 |                     | 28.50                    |
|       | 27   | 13.8             |            | 12.58 |                     | 28.50                    |
|       | 28   | 13.8             |            | 12.48 |                     | 28.46                    |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |
|       |      |                  |            |       |                     |                          |

**J.L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**Dean Creek MEM-03 Monitoring Record – Page 1 of 5**

Year 2017

| Dean Creek |      |                  |                           |       |                     |                          |
|------------|------|------------------|---------------------------|-------|---------------------|--------------------------|
| Month      | Date | Temperature (°C) | Flow (GPM)                | DO    | Staff Gauge Reading | Water Level (Elev. AMSL) |
| MAY        | 1    | 13.8             |                           | 12.17 |                     | 28.44                    |
|            | 2    | 14.4             |                           | 12.35 |                     | 28.43                    |
|            | 3    | 14.7             |                           | 13.11 |                     | 28.38                    |
|            | 4    | 15.2             |                           | 12.86 |                     | 28.38                    |
|            | 5    | 15.2             |                           | 12.71 |                     | 28.34                    |
|            | 8    | 15.6             |                           | 13.08 |                     | 28.30                    |
|            | 9    | 16.1             |                           | 12.55 |                     | 28.27                    |
|            | 10   | 16.2             |                           | 12.42 |                     | 28.27                    |
|            | 11   | 16.6             |                           | 12.18 |                     | 28.25                    |
|            | 12   | 16.4             |                           | 12.26 |                     | 28.22                    |
|            | 15   | 16.8             |                           | 11.93 |                     | 28.22                    |
|            | 16   | 16.6             |                           | 11.72 |                     | 28.20                    |
|            | 17   | 16.2             |                           | 12.08 |                     | 28.18                    |
|            | 18   | 16.7             |                           | 11.42 |                     | 28.18                    |
|            | 19   | 16.7             |                           | 11.67 |                     | 28.14                    |
|            | 22   |                  | No flow Rest of the month |       |                     |                          |
|            | 23   |                  |                           |       |                     |                          |
|            | 24   |                  |                           |       |                     |                          |
|            | 25   |                  |                           |       |                     |                          |
|            | 26   |                  |                           |       |                     |                          |
|            | 29   |                  |                           |       |                     |                          |
|            | 30   |                  |                           |       |                     |                          |
|            | 31   |                  |                           |       |                     |                          |
|            |      |                  |                           |       |                     |                          |
|            |      |                  |                           |       |                     |                          |



J.L. Storedahl & Sons, Inc.  
Daybreak Mine  
Dean Creek MEM-03 Monitoring Record – Page 2 of 5

Year 2017

| Dean Creek |      |                  |                   |    |                     |                          |
|------------|------|------------------|-------------------|----|---------------------|--------------------------|
| Month      | Date | Temperature (°C) | Flow (GPM)        | DO | Staff Gauge Reading | Water Level (Elev. AMSL) |
| JUN        | 1    |                  | No flow all month |    |                     |                          |
|            | 2    |                  |                   |    |                     |                          |
|            | 5    |                  |                   |    |                     |                          |
|            | 6    |                  |                   |    |                     |                          |
|            | 7    |                  |                   |    |                     |                          |
|            | 8    |                  |                   |    |                     |                          |
|            | 9    |                  |                   |    |                     |                          |
|            | 12   |                  |                   |    |                     |                          |
|            | 13   |                  |                   |    |                     |                          |
|            | 14   |                  |                   |    |                     |                          |
|            | 15   |                  |                   |    |                     |                          |
|            | 16   |                  |                   |    |                     |                          |
|            | 19   |                  |                   |    |                     |                          |
|            | 20   |                  |                   |    |                     |                          |
|            | 21   |                  |                   |    |                     |                          |
|            | 22   |                  |                   |    |                     |                          |
|            | 23   |                  |                   |    |                     |                          |
|            | 26   |                  |                   |    |                     |                          |
|            | 27   |                  |                   |    |                     |                          |
|            | 28   |                  |                   |    |                     |                          |
|            | 29   |                  |                   |    |                     |                          |
|            | 30   |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |

**J.L. Stordahl & Sons, Inc.**  
**Daybreak Mine**  
**Dean Creek MEM-03 Monitoring Record – Page 3 of 5**

Year 2017

| Dean Creek |      |                  |                   |    |                     |                          |
|------------|------|------------------|-------------------|----|---------------------|--------------------------|
| Month      | Date | Temperature (°C) | Flow (GPM)        | DO | Staff Gauge Reading | Water Level (Elev. AMSL) |
| JUL        | 3    |                  | No flow all month |    |                     |                          |
|            | 4    |                  |                   |    |                     |                          |
|            | 5    |                  |                   |    |                     |                          |
|            | 6    |                  |                   |    |                     |                          |
|            | 7    |                  |                   |    |                     |                          |
|            | 10   |                  |                   |    |                     |                          |
|            | 11   |                  |                   |    |                     |                          |
|            | 12   |                  |                   |    |                     |                          |
|            | 13   |                  |                   |    |                     |                          |
|            | 14   |                  |                   |    |                     |                          |
|            | 17   |                  |                   |    |                     |                          |
|            | 18   |                  |                   |    |                     |                          |
|            | 19   |                  |                   |    |                     |                          |
|            | 20   |                  |                   |    |                     |                          |
|            | 21   |                  |                   |    |                     |                          |
|            | 24   |                  |                   |    |                     |                          |
|            | 25   |                  |                   |    |                     |                          |
|            | 26   |                  |                   |    |                     |                          |
|            | 27   |                  |                   |    |                     |                          |
|            | 28   |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |

**J.L. Storedahl & Sons, Inc.**  
**Daybreak Mine**  
**Dean Creek MEM-03 Monitoring Record – Page 4 of 5**

Year 2017

| Dean Creek |      |                  |                   |    |                     |                          |
|------------|------|------------------|-------------------|----|---------------------|--------------------------|
| Month      | Date | Temperature (°C) | Flow (GPM)        | DO | Staff Gauge Reading | Water Level (Elev. AMSL) |
| AUG        | 1    |                  | No flow all month |    |                     |                          |
|            | 2    |                  |                   |    |                     |                          |
|            | 3    |                  |                   |    |                     |                          |
|            | 4    |                  |                   |    |                     |                          |
|            | 7    |                  |                   |    |                     |                          |
|            | 8    |                  |                   |    |                     |                          |
|            | 9    |                  |                   |    |                     |                          |
|            | 10   |                  |                   |    |                     |                          |
|            | 11   |                  |                   |    |                     |                          |
|            | 14   |                  |                   |    |                     |                          |
|            | 15   |                  |                   |    |                     |                          |
|            | 16   |                  |                   |    |                     |                          |
|            | 17   |                  |                   |    |                     |                          |
|            | 18   |                  |                   |    |                     |                          |
|            | 21   |                  |                   |    |                     |                          |
|            | 22   |                  |                   |    |                     |                          |
|            | 23   |                  |                   |    |                     |                          |
|            | 24   |                  |                   |    |                     |                          |
|            | 25   |                  |                   |    |                     |                          |
|            | 28   |                  |                   |    |                     |                          |
|            | 29   |                  |                   |    |                     |                          |
|            | 30   |                  |                   |    |                     |                          |
|            | 31   |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |

**J.L. Stordahl & Sons, Inc.**  
**Daybreak Mine**  
**Dean Creek MEM-03 Monitoring Record – Page 5 of 5**

Year 2017

| Dean Creek |      |                  |                   |    |                     |                          |
|------------|------|------------------|-------------------|----|---------------------|--------------------------|
| Month      | Date | Temperature (°C) | Flow (GPM)        | DO | Staff Gauge Reading | Water Level (Elev. AMSL) |
| SEP        | 1    |                  | No flow all month |    |                     |                          |
|            | 4    |                  |                   |    |                     |                          |
|            | 5    |                  |                   |    |                     |                          |
|            | 6    |                  |                   |    |                     |                          |
|            | 7    |                  |                   |    |                     |                          |
|            | 8    |                  |                   |    |                     |                          |
|            | 11   |                  |                   |    |                     |                          |
|            | 12   |                  |                   |    |                     |                          |
|            | 13   |                  |                   |    |                     |                          |
|            | 14   |                  |                   |    |                     |                          |
|            | 15   |                  |                   |    |                     |                          |
|            | 18   |                  |                   |    |                     |                          |
|            | 19   |                  |                   |    |                     |                          |
|            | 20   |                  |                   |    |                     |                          |
|            | 21   |                  |                   |    |                     |                          |
|            | 22   |                  |                   |    |                     |                          |
|            | 25   |                  |                   |    |                     |                          |
|            | 26   |                  |                   |    |                     |                          |
|            | 27   |                  |                   |    |                     |                          |
|            | 28   |                  |                   |    |                     |                          |
| 29         |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |
|            |      |                  |                   |    |                     |                          |

J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 1 of 6

Year 2017 Date 4/6

Pond P-1C

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| APRIL |                             |       | 60"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |

J. L. Stordahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 2 of 6

Year 2017 Date 5/17

| Pond <u>P-1C</u> |                             |       |              |                     |    |    |
|------------------|-----------------------------|-------|--------------|---------------------|----|----|
| Month            | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
| MAY              |                             |       | 61"          |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
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|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |

J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 3 of 6

Year 2017 Date 6/9

| Pond <u>P-1C</u> |                             |       |              |                     |    |    |
|------------------|-----------------------------|-------|--------------|---------------------|----|----|
| Month            | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
| JUN              |                             |       | 61"          |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |



J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 6

Year 2017 Date 7/25

Pond F-1C

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| JUL   |                             |       | 60"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |

J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 5

Year 2017 Date 8/14

| Pond <u>P-1C</u> |                             |       |              |                     |    |    |
|------------------|-----------------------------|-------|--------------|---------------------|----|----|
| Month            | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
| AUG              |                             |       | 61"          |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |

J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 5 of 5

Year 2017 Date 9/20

| Pond <u>P-1C</u> |                             |       |              |                     |    |    |
|------------------|-----------------------------|-------|--------------|---------------------|----|----|
| Month            | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
| SEPT             |                             |       | 61"          |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |

## Daybreak Mine

**MEM-08 Monitoring Record – Page 1 of 6**

Year 2017 Date 4/6

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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 2 of 6

Year 2017 Date 5/17

Pond P-1D

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| MAY   |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |

J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 3 of 6

Year 2017 Date 6/9

Pond P-10

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| JUN   |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |

J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 6

Year 2017 Date 7/25

Pond P-10

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| JUL   |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |



J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 5

Year 2017 Date 8/14

Pond F-1D

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| AUG   |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
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**J. L. Storedahl & Sons, Inc.  
Daybreak Mine**

Pond \_\_\_\_\_ **MEM-08 Monitoring Record – Page 5 of 5**

Year 2017 Date 9/20

| Pond <u>P-10</u> |                             |       |              |                     |    |    |
|------------------|-----------------------------|-------|--------------|---------------------|----|----|
| Month            | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
| SEPT             |                             |       | 62"          |                     |    |    |
|                  |                             |       |              |                     |    |    |
|                  |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 1 of 6

Year 2017 Date 4/6

Pond P-4

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| APRIL |                             |       | 62"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 2 of 6

Year 2017 Date 5-17

Pond P-4

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| MAY   |                             |       | 62"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 3 of 6

Year 2017 Date 6/19

Pond P-4

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| JUN   |                             |       | 62"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 6

Year 2017 Date 7/25

| Pond <u>P-4</u> |                             |       |              |                     |    |    |
|-----------------|-----------------------------|-------|--------------|---------------------|----|----|
| Month           | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
| JUL             |                             |       | 63"          |                     |    |    |
|                 |                             |       |              |                     |    |    |
|                 |                             |       |              |                     |    |    |
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J. L. Stordahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 5

Year 2017 Date 8/14

Pond P-4

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| AUG   |                             |       | 63"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 5 of 5

Year 2017 Date 9/20

Pond P-4

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| SEPT  |                             |       | 63"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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# J. L. Storedahl & Sons, Inc.

## Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 1 of 6

Year 2017 Date 4/6

Pond P-5

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| APRIL |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 2 of 6

Year 2017 Date 5/17

Pond P-5

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| MAY   |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 3 of 6

Year 2017 Date 6/9

Pond F-5

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| JUN   |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 6

Year 2017 Date 7/25

Pond P-5

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| JUL   |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.  
Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 5

Year 2017 Date 8/14

Pond P-5

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| AUG   |                             |       | 62"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 5 of 5

Year 2017 Date 9/20

Pond P-5

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| SEPT  |                             |       | 62"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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# J. L. Storedahl & Sons, Inc.

## Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 1 of 6

Year 2017 Date 4/16

| Pond <u>P-6</u> |                             |       |              |                     |    |    |
|-----------------|-----------------------------|-------|--------------|---------------------|----|----|
| Month           | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
| APRIL           |                             |       | 60"          |                     |    |    |
|                 |                             |       |              |                     |    |    |
|                 |                             |       |              |                     |    |    |
|                 |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 2 of 6

Year 2017 Date 5/17

Pond F-6

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| MAY   |                             |       | 60"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 3 of 6

Year 2017 Date 6/9

| Pond <u>F-6</u> |                             |       |              |                     |    |    |
|-----------------|-----------------------------|-------|--------------|---------------------|----|----|
| Month           | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
| JUN             |                             |       | 60"          |                     |    |    |
|                 |                             |       |              |                     |    |    |
|                 |                             |       |              |                     |    |    |
|                 |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 6

Year 2017 Date 7/25

Pond P-6

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| JUL   |                             |       | 60"          |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Storedahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 5

Year 2017 Date 8/14

| Pond <u>P-60</u> |                             |       |              |                     |    |    |
|------------------|-----------------------------|-------|--------------|---------------------|----|----|
| Month            | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
| AUG              |                             |       | 61"          |                     |    |    |
|                  |                             |       |              |                     |    |    |
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Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 5 of 5

Year 2017 Date 9/20

Pond F-6

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| SEPT  |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 1 of 6

Year 2017 Date 4/6

Pond P-7

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| APRIL |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 2 of 6

Year 2017 Date 5/17

Pond P-7

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| MAY   |                             |       | 61"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 3 of 6

Year 2017 Date 6/9

| Pond <u>P-7</u> |                             |       |              |                     |    |    |
|-----------------|-----------------------------|-------|--------------|---------------------|----|----|
| Month           | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
| JUN             |                             |       | 61"          |                     |    |    |
|                 |                             |       |              |                     |    |    |
|                 |                             |       |              |                     |    |    |
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Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 6

Year 2017 Date 7/25

Pond P-7

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| JUL   |                             |       | 62"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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J. L. Stordahl & Sons, Inc.

Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 4 of 5

Year 2017 Date 8/14

Pond P-7

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| AUG   |                             |       | 62"          |                     |    |    |
|       |                             |       |              |                     |    |    |
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## Daybreak Mine

Pond \_\_\_\_\_ MEM-08 Monitoring Record – Page 5 of 5

Year 2017 Date 9/20

Pond F-7

| Month | Water Level<br>(Elev. AMSL) | Depth | Transparency | Temperature<br>(°C) | DO | pH |
|-------|-----------------------------|-------|--------------|---------------------|----|----|
| SEPT  |                             |       | 63"          |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
|       |                             |       |              |                     |    |    |
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