COLORADO
Division of Water Resources
Department of Natural Resources

November 14, 2024

120 85 LLC
10925 East 120th Avenue
Henderson, CO 80640

Craig M. Lis, P.E., Senior Water Rights Engineer
Martin and Wood Water Consultants, Inc.
538 Commons Drive
Golden, CO 80401

Re: GSL Sand and Gravel Substitute Water Supply Plan (WDID 0202584)
(a.k.a. 120th Estates Partners Sand and Gravel Mine and 124th Estates Pit)
GSL Sand and Gravel Mine, DRMS Permit No. M-2001-085 (WDID 0203018)
S ½ of the SW ¼ of Sec. 35, Twp. 1 South, Rng. 67 West, 6th P.M.
Water Division 1, Water District 2, Adams County
SWSP ID: 4558

Approval Period: November 1, 2024 through October 31, 2025
Contact information for Craig Lis: (720) 836-6573 and clis@martinandwood.com

Dear Craig M. Lis:

We have reviewed the renewal request on behalf of 120 85 LLC ("Applicant") dated October 1, 2024 regarding the above-referenced substitute water supply plan (SWSP) to cover depletions caused by the GSL Sand and Gravel mine in accordance with section 37-90-137(11), Colorado Revised Statutes (C.R.S.). The original plan was approved on May 20, 2002 and the renewal was most recently approved in a letter dated October 30, 2023. That plan

was valid through October 31, 2024. The required fee of $257 for this renewal of the SWSP has been submitted (receipt number 10038654).

Plan Operation

This SWSP covers depletions at the GSL Sand and Gravel Mine, generally located in the S ½ of the SW ¼ of Section 35, Township 1 South, Range 67 West of the Sixth P.M. Mining operations were completed in November 2011 and a slurry wall was installed around the pond. However, the liner is not functional, therefore the Applicant requested an amendment to the mining permit to the Division of Reclamation Mining and Safety ("DRMS") to allow for backfilling of the pit. Since February 2012 when the exposed surface area was 26.7 acres, the Applicant has been working on backfilling the pond and the exposed groundwater surface area as of June 2024 was 0.86 acres. Depletions during this SWSP period consist of evaporative depletions from the exposed groundwater surface. Replacement water is fully consumable water leased from the City of Aurora ("Aurora") which will be released upstream of the pit.

Depletions

The depletions at the site during the period of this SWSP consist of evaporation from exposed groundwater since the lagged depletions from prior mining operations no longer have an effect on the stream. Other than evaporation from the exposed groundwater surface, no new operating depletions will occur during this SWSP approval period.

The current total exposed groundwater surface area at this site is 0.86 acres. For the purposes of this SWSP, it is assumed that the exposed groundwater at the site will remain at 0.86 acres. Net evaporation is defined as gross evaporation less the consumptive use of water by vegetation that naturally occurred at the site prior to mining activity. The historical consumptive use was assumed to be equal to the effective precipitation, which was estimated based on the data from the Denver Stapleton Station. Net evaporative depletions were calculated using a gross annual evaporation of 45 inches from the exposed water surface based on the NOAA Technical Report NWS 33, with a credit of 10.78 inches for effective precipitation, as shown on attached Table 1. The net depletion of groundwater due

to evaporation of groundwater exposed at the site has been calculated to be 2.85 acre-feet per acre or 2.46 acre-feet for this SWSP period. A summary of the mining depletions is shown on attached Table 1.

The Integrated Decision Support Group Alluvial Water Accounting System ("IDS-AWAS") model was used with the alluvial aquifer boundary condition to lag depletions to the South Platte River. The parameters shown in Table A below were used in the model. Lagged evaporative depletions are 2.47 acre-feet for this SWSP period, as shown on the attached Table 3.

Table A: IDS-AWAS Parameters for the Gravel Mine

X – Dist to river (feet)	W – Boundary Dist (feet)	Harmonic Transmissivity (gpd/ft)	Specific yield
2,295	3,836	63,000	0.2

Replacements

The replacement source for this plan period is fully consumable water leased from Aurora. The fully consumable water will be released to the South Platte River at the outfall of the Metro Wastewater Reclamation District's Robert W. Hite treatment facility ("Metro Sewer," WDID 0200700). Metro Sewer is located approximately 10.78 miles upstream of the site. As such, an irrigation season (April through October) transit loss of 5.39% (0.5% per mile) and a non-irrigation season (November through March) transit loss of 2.7% (0.25% per mile) will be assessed on all releases. These transit losses are subject to change by the Water Commissioner or Division Engineer.

A copy of the signed lease agreement dated November 24, 2020 is attached. The term of the lease is for the period of November 1, 2020 through October 31, 2021 and is renewable for up to five additional one-year extensions provided by written notification from Aurora. According to the attached letter from Aurora (Aurora lease extension) dated September 25, 2024, the final one-year extension has been granted for the period of November 2024 through October 2025. The proposed replacement schedule is provided in Exhibit A of the delivery schedule provided with the Aurora lease extension. Total replacements to be

provided by Aurora under the lease are 2.58 acre-feet, which accounts for transit losses, during this SWSP period, as shown on attached Table 6.

Long-term Depletions

The final reclamation plan for DRMS Mining Permit No. M-2001-085 had been to create a water storage reservoir through the installation of a slurry wall. The slurry wall was constructed but did not receive its liner approval from DWR. Based on the Applicant's statements, the slurry wall leaked in multiple locations and the pit filled completely with groundwater. This was not in accordance with their DRMS permit reclamation requirements. Therefore, the Applicant obtained approval of an amendment to the reclamation mining permit from DRMS to allow for backfilling of the pit.

The current financial warranty posted for the site is $368,590, which was set by DRMS after approving an amendment request to change the reclamation plan from water storage to an inert backfill operation on the property (to two feet above the water table). This action satisfied the requirement that the Applicant diligently pursue compliance with their DRMS permit and the requirements described in the April 30, 2010 letter DRMS sent to all gravel pit operators (attached), specifically in regard to the required financial warranty at the site. **With each successive SWSP renewal request, the Applicant shall demonstrate continued diligence in this effort, including maintaining satisfactory status in obtaining proper bonds through DRMS.**

Conditions of Approval

This substitute water supply plan is hereby approved in accordance with section 37-90-137(11), C.R.S. and subject to the following conditions:

1. This SWSP is approved with the effective date of **November 1, 2024 and shall be valid through October 31, 2025,** unless otherwise revoked or superseded by a decree. If this plan is not decreed in water court by the SWSP expiration date, a renewal request must be submitted to this office with the statutory fee of $257 no later than **September 1, 2025. If a renewal request is received after the expiration**

date of this plan, it will be considered a request for a new SWSP and a filing fee of $1,593 will be required.

2. The total surface area of the groundwater exposed at the site must not exceed 0.86 acres resulting in annual evaporative losses of 2.47 acre-feet during the approval period of this SWSP.

3. Approval of this plan is for the purposes as stated herein. Any additional uses of this water must first be approved by this office.

4. Total consumption at the site must not exceed the aforementioned amounts unless an amendment is made to this plan.

5. Well permit no. 57723-F is in good standing for the current use and exposed surface area at the site in accordance with sections 37-90-137(2) and (11), C.R.S.

6. All releases of replacement water must be sufficient to cover all out-of-priority depletions in time, place, and amount and should be made on a daily basis. The release of monthly replacement water may be aggregated in a single release to maximize beneficial use at the direction and approval of the Water Commissioner.

7. The Applicant must replace all out-of-priority depletions resulting from operation under this SWSP, including those lagged depletions that occur to the stream after the expiration date of this SWSP.

8. As part of any renewal of this SWSP the Applicant must specify the proposed replacement source that will be used to replace all lagged depletions that result from operation under the SWSP, including those that extend beyond the approval period of the SWSP. If the intent is to obtain a short-term lease for such future replacement water, an executed lease for depletions that extend beyond the SWSP approval period is not required; however the Applicant must demonstrate that there is a reasonable likelihood that such a lease could be obtained.

9. Conveyance loss for delivery of augmentation water to the South Platte River is subject to assessment and modification as determined by the Division Engineer. Currently, conveyance losses are being assessed at 5.39% (0.5% per mile) during the irrigation season (April through October) and 2.7% (0.25% per mile) during the non-irrigation season (November through March).

10. The Applicant shall provide daily accounting (including, but not limited to depletions, replacement sources, and river calls) on a monthly basis. The accounting must be uploaded to the CDSS Online Reporting Tool within 30 days of the end of the month for which the accounting applies (https://dwr.state.co.us/Tools/reporting). Instructions for using the tool are available on the Division of Water Resources website on the "Services" → "Data & Information" page under the heading of Online Data Submittal. Accounting and reporting procedures are subject to approval and modification by the Division Engineer. Accounting forms need to identify the WDID number for each structure operating under this SWSP. Additional information regarding accounting requirements can be found in the attached Augmentation Plan Accounting Protocol. **NOTE:** Monthly accounting, even during the winter non-irrigation season, is required.

    In addition, the **Applicant** shall verify that the entity making replacements is identifying the Applicant's use specifically on the entity's accounting submitted to this office and shall claim credit only for actual amounts released as shown in the entity's accounting. For the period of this plan, **that entity is the City of Aurora** (WDID 0802593 – Aurora Reuse).

11. The name, address, and phone number of a contact person who will be responsible for the operation and accounting of this plan must be provided on the accounting forms to the Division Engineer and Water Commissioner.

12. The Applicant should refer to the *Augmentation Plan Accounting* or any other applicable protocols as referenced in the attached documents for the operation of this SWSP.

13. In order to prevent injury to other water rights, the Division Engineer and Water Commissioner must be able to administer Applicants' replacement water past headgates on the river at times when those headgates would otherwise be legally entitled to divert all available flow in or "sweep" the South Platte or its tributaries. Applicant shall not receive credit for replacement of depletions to the South Platte below such diversion structures unless bypass and measurement structures are in place to allow the Division Engineer and Water Commissioner to confirm that Applicant's replacement water is delivered past the headgates. In the event that delivery past dry-up points requires the use of a structure for which a carriage or use agreement with a third party is required, Applicant shall be responsible for securing such agreement. Until such time as the Applicant provides a copy of the carriage or use agreement to the Division Engineer and Water Commissioner, no credit will be allowed for replacement of depletions to the South Platte below such diversion structure.

14. The Division of Water Resources will not be responsible for any enforcement or administration of third party agreements that are not included in a decree of the water court.

15. The approval of this substitute water supply plan does not relieve the Applicant and/or the landowner of the requirement to obtain a water court decree approving a permanent plan for augmentation or mitigation to ensure the permanent replacement of all depletions, including long-term evaporation losses and lagged depletions after gravel mining operations have ceased if reclamation of the mine site will produce a permanent water surface exposing groundwater to evaporation, or lagged depletions only if a lined pond results after reclamation, until there is no longer an effect on stream flow.

16. The Applicant is required to maintain their DRMS permit and an adequate bond to cover their reclamation plan until (1) there are no longer lagged depletions hitting the river, (2) a suitable augmentation plan is obtained, or (3) another party assumes full augmentation responsibilities. The Applicant has a current bond of $368,590 to

account for backfilling the pit. With all future SWSP renewal requests, the Applicant will be required to demonstrate continuing compliance, or diligent pursuit of compliance, with their DRMS permit reclamation plan and the April 30, 2010 DRMS letter, specifically in regard to the required financial warranty for the site.

17. The State Engineer may revoke this SWSP or add additional restrictions to its operation if at any time the State Engineer determines that injury to other vested water rights has occurred or will occur as a result of the operation of this SWSP. Should this SWSP expire without renewal or be revoked prior to adjudication of a permanent plan for augmentation, all use of water under this SWSP must cease immediately.

18. In accordance with amendments to section 25-8-202(7), C.R.S., and Senate Bill 89-181 Rules and Regulations adopted on February 4, 1992, the State Engineer shall determine whether the substitute supply is of a quality to meet requirements of use to senior appropriators. As such, water quality data or analysis may be requested at any time to determine if the water quality is appropriate for downstream water users.

19. The decision of the State Engineer shall have no precedential or evidentiary force, shall not create any presumptions, shift the burden of proof, or serve as a defense in any water court case or any other legal action that may be initiated concerning the substitute water supply plan. This decision shall not bind the State Engineer to act in a similar manner in any other applications involving other plans or in any proposed renewal of this plan and shall not imply concurrence with any findings of fact or conclusions of law contained herein, or with the engineering methodologies used by the Applicant.

Should you have any questions, please contact Wenli Dickinson of this office at 303-866-3581 or Aliyah Santistevan of the Division office in Greeley at (970) 352-8712.

Sincerely,

for Joanna Williams, P.E.
Chief of Water Supply

Attachments: Tables 1-6
City of Aurora Lease Agreement and Lease Extension
April 30, 2010 letter from DRMS
Augmentation Plan Accounting Protocol

Ec: Aliyah Santistevan, Assistant Division Engineer, Aliyah.Santistevan@state.co.us
Travis Tyner, Accounting Operations Lead, dnr_div1accounting@state.co.us
Jorge Vidal, Compact and River Operations Coordinator, Jorge.Vidal@state.co.us
Louis Flink, Tabulation / Diversions Record Coordinator, Louis.Flink@state.co.us
Alec Hernandez, Lead Water Commissioner District 2, Alec.Hernandez@state.co.us
Division of Reclamation, Mining and Safety, dnr_drmsminadmin@state.co.us

JMW/idc/wad: 2024-2025 GSL Sand & Gravel Mine Approval.docx

TABLE 1
GSL SAND AND GRAVEL MINE

	(1)	(2)	(3)	(4)	(5)	(6)
MONTH	PERCENT OF ANNUAL GROSS EVAPORATION (%)	GROSS EVAPORATION (INCHES)	NORMAL PRECIPITATION (DENVER STAPLETON) (INCHES)	EFFECTIVE PRECIPITATION (@ 70%) (INCHES)	NET EVAPORATION (INCHES)	NET EVAPORATION (FEET)
JAN	3.0	1.35	0.50	0.35	1.00	0.08
FEB	3.5	1.58	0.57	0.40	1.18	0.10
MAR	5.5	2.48	1.28	0.90	1.58	0.13
APR	9.0	4.05	1.71	1.20	2.85	0.24
MAY	12.0	5.40	2.40	1.68	3.72	0.31
JUN	14.5	6.53	1.79	1.25	5.27	0.44
JUL	15.0	6.75	1.91	1.34	5.41	0.45
AUG	13.5	6.08	1.51	1.06	5.02	0.42
SEP	10.0	4.50	1.24	0.87	3.63	0.30
OCT	7.0	3.15	0.98	0.69	2.46	0.21
NOV	4.0	1.80	0.87	0.61	1.19	0.10
DEC	3.0	1.35	0.64	0.45	0.90	0.08
TOTAL	100.00	45.00	15.40	10.78	34.22	2.85

NOTES: (1) FROM SEO 05/11/99 FOR ELEVATIONS UNDER 6,500 FEET
(2) PERCENT OF ANNUAL GROSS EVAPORATION MULTIPLIED BY 45.00 INCHES
(3) FROM DENVER STAPLETON STATION
(4) EFFECTIVE PRECIPITATION = (NORMAL PRECIPITATION, COLUMN 3) * (70%)
(5) NET EVAPORATION = (GROSS EVAPORATION, COLUMN 2) - (EFFECTIVE PRECIPITATION, COLUMN 4)
(6) NET EVAPORATION (FEET) = (NET EVAPORATION (INCHES), COLUMN 5) / 12

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TABLE 2
GSL SAND AND GRAVEL MINE
POND ALLOWED TO FILL BY JANUARY 16, 2012 (NO LINER), MINING CEASED ON NOVEMBER 22, 2011
OPERATIONAL LOSSES FROM JANUARY 2009 THROUGH DECEMBER 2012[1] INCLUDING DEWATERING EFFECTS
(Depletions are considered positive in this table)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
YEAR MONTH	NET EVAPORATION PER ACRE (ACRE-FEET PER ACRE)	EXPOSED GROUND WATER[2] (ACRES)	EVAPORATION (ACRE-FEET)	DUST CONTROL (ACRE-FEET)	MONTHLY POTENTIAL AGGREGATE PRODUCTION AMOUNT (TONS)	MONTHLY POTENTIAL AGGREGATE PRODUCTION WATER LOSS (ACRE-FEET)	UNLAGGED DEPLETION DUE TO CONTINUOUS DEWATERING (ACRE-FEET)	UNLAGGED DEPLETION DUE TO FILLING OF THE PIT (ACRE-FEET)	TOTAL GROUND WATER EVAPORATION AND OPERATIONAL WATER LOSSES (ACRE-FEET)
Nov 2022 through October 2023									
Nov	0.10	0.12	0.01	0.00	0	0.00	0.00	0.00	0.01
Dec	0.08	0.12	0.01	0.00	0	0.00	0.00	0.00	0.01
Jan	0.08	0.12	0.01	0.00	0	0.00	0.00	0.00	0.01
Feb	0.10	0.12	0.01	0.00	0	0.00	0.00	0.00	0.01
Mar	0.13	0.12	0.02	0.00	0	0.00	0.00	0.00	0.02
Apr	0.24	0.12	0.03	0.00	0	0.00	0.00	0.00	0.03
May	0.31	0.91	0.28	0.00	0	0.00	0.00	0.00	0.28
Jun	0.44	0.91	0.40	0.00	0	0.00	0.00	0.00	0.40
Jul	0.45	0.91	0.41	0.00	0	0.00	0.00	0.00	0.41
Aug	0.42	0.91	0.38	0.00	0	0.00	0.00	0.00	0.38
Sep	0.30	0.91	0.27	0.00	0	0.00	0.00	0.00	0.27
Oct	0.21	0.91	0.19	0.00	0	0.00	0.00	0.00	0.19
TOTAL	2.86	N/A	2.03	0.00	0	0.00	0.00	0.00	2.03
Nov 2023 through October 2024									
Nov	0.10	0.91	0.09	0.00	0	0.00	0.00	0.00	0.09
Dec	0.08	0.91	0.07	0.00	0	0.00	0.00	0.00	0.07
Jan	0.08	0.91	0.07	0.00	0	0.00	0.00	0.00	0.07
Feb	0.10	0.91	0.09	0.00	0	0.00	0.00	0.00	0.09
Mar	0.13	0.91	0.12	0.00	0	0.00	0.00	0.00	0.12
Apr	0.24	0.91	0.22	0.00	0	0.00	0.00	0.00	0.22
May	0.31	0.91	0.28	0.00	0	0.00	0.00	0.00	0.28
Jun	0.44	0.86	0.38	0.00	0	0.00	0.00	0.00	0.38
Jul	0.45	0.86	0.39	0.00	0	0.00	0.00	0.00	0.39
Aug	0.42	0.86	0.36	0.00	0	0.00	0.00	0.00	0.36
Sep	0.30	0.86	0.26	0.00	0	0.00	0.00	0.00	0.26
Oct	0.21	0.86	0.18	0.00	0	0.00	0.00	0.00	0.18
TOTAL	2.86	N/A	2.51	0.00	0	0.00	0.00	0.00	2.51
Nov 2024 through October 2025									
Nov	0.10	0.86	0.09	0.00	0	0.00	0.00	0.00	0.09
Dec	0.08	0.86	0.07	0.00	0	0.00	0.00	0.00	0.07
Jan	0.08	0.86	0.07	0.00	0	0.00	0.00	0.00	0.07
Feb	0.10	0.86	0.09	0.00	0	0.00	0.00	0.00	0.09
Mar	0.13	0.86	0.11	0.00	0	0.00	0.00	0.00	0.11
Apr	0.24	0.86	0.21	0.00	0	0.00	0.00	0.00	0.21
May	0.31	0.86	0.27	0.00	0	0.00	0.00	0.00	0.27
Jun	0.44	0.86	0.38	0.00	0	0.00	0.00	0.00	0.38
Jul	0.45	0.86	0.39	0.00	0	0.00	0.00	0.00	0.39
Aug	0.42	0.86	0.36	0.00	0	0.00	0.00	0.00	0.36
Sep	0.30	0.86	0.26	0.00	0	0.00	0.00	0.00	0.26
Oct	0.21	0.86	0.18	0.00	0	0.00	0.00	0.00	0.18
TOTAL	2.86	N/A	2.46	0.00	0	0.00	0.00	0.00	2.46

1 Values going back through 2009 are shown since past mining may still be mpacting the South Platte River.

2 The exposed ground water surface area in July of 2009 was computed by taking the time weighted average of the exposed surface water area before and after mining began during this month. Surfaces areas for November 2011 through January 2012 are monthly averages.

NOTES:
(1) FROM TABLE 1
(2) BASED ON INFORMATION FROM OPERATOR
(3) COLUMN (1) * COLUMN (2)
(4) BASED ON INFORMATION FROM THE OPERATOR
(5) BASED ON INFORMATION FROM THE OPERATOR
(6) WATER LOSS = (COL 3) * 2000 LBS/TON * (2%)/(62.4 LBS/CU FT)/43560 CU FT/ACRE-FOOT)
(7) DEPLETION DUE TO CONTINUOUS DEWATERING OF THE PIT
(8) TOTAL LOSSES = (COL 3)+ (COL 4) + (COL 6) + (COL 7)

TABLE 3

GSL SAND AND GRAVEL MINE

OPERATIONAL LOSSES AND CREDITS ASSUMING POND ALLOWED TO FILL BY JANUARY 16, 2012 (NO LINER), MINING CEASED ON NOVEMBER 22, 2011

(DEPLETIONS AND DELIVERIES ARE CONSIDERED POSITIVE IN THIS TABLE)

	(1)	(2)	(3)	(4)	(5)
YEAR MONTH	TOTAL GROUND WATER EVAPORATION AND OPERATIONAL WATER LOSSES (ACRE-FEET)	UNLAGGED CREDIT FOR WATER PLACED IN HENDERSON WATER SKI LAKE (ACRE-FEET)	CREDIT FOR WATER PLACED IN SOUTH PLATTE RIVER (INSTANTANEOUS) (ACRE-FEET)	NET EFFECT TO RIVER (INCLUDES DEPLETIONS FROM DEWATERING AND LAGGED ACRETIONS FROM CREDITS TO S.P AND WATER SKI LAKE) (ACRE-FEET)	REPLACEMENT WATER DELIVERY SCHEDULE (ACRE-FEET)
Nov 2022 through October 2023					
Nov	0.01	0.00	0.00	0.11	0.11
Dec	0.01	0.00	0.00	0.09	0.09
Jan	0.01	0.00	0.00	0.08	0.08
Feb	0.01	0.00	0.00	0.06	0.06
Mar	0.02	0.00	0.00	0.05	0.05
Apr	0.03	0.00	0.00	0.05	0.05
May	0.28	0.00	0.00	0.06	0.06
Jun	0.40	0.00	0.00	0.11	0.11
Jul	0.41	0.00	0.00	0.17	0.17
Aug	0.38	0.00	0.00	0.21	0.21
Sep	0.27	0.00	0.00	0.24	0.24
Oct	0.19	0.00	0.00	0.24	0.24
TOTAL	2.03	0.00	0.00	1.47	1.47
Nov 2023 through October 2024					
Nov	0.09	0.00	0.00	0.22	0.22
Dec	0.07	0.00	0.00	0.20	0.20
Jan	0.07	0.00	0.00	0.17	0.17
Feb	0.09	0.00	0.00	0.15	0.15
Mar	0.12	0.00	0.00	0.14	0.14
Apr	0.22	0.00	0.00	0.14	0.14
May	0.28	0.00	0.00	0.16	0.16
Jun	0.38	0.00	0.00	0.19	0.19
Jul	0.39	0.00	0.00	0.23	0.23
Aug	0.36	0.00	0.00	0.26	0.26
Sep	0.26	0.00	0.00	0.27	0.27
Oct	0.18	0.00	0.00	0.26	0.26
TOTAL	2.51	0.00	0.00	2.39	2.39
Nov 2024 through October 2025					
Nov	0.09	0.00	0.00	0.24	0.24
Dec	0.07	0.00	0.00	0.21	0.21
Jan	0.07	0.00	0.00	0.18	0.18
Feb	0.09	0.00	0.00	0.16	0.16
Mar	0.11	0.00	0.00	0.15	0.15
Apr	0.21	0.00	0.00	0.15	0.15
May	0.27	0.00	0.00	0.16	0.16
Jun	0.38	0.00	0.00	0.19	0.19
Jul	0.39	0.00	0.00	0.23	0.23
Aug	0.36	0.00	0.00	0.26	0.26
Sep	0.26	0.00	0.00	0.27	0.27
Oct	0.18	0.00	0.00	0.27	0.27
TOTAL	2.46	0.00	0.00	2.47	2.47

NOTES:
(1): FROM TABLE 2
(2): FOR WATER PLACED IN HENDERSON WATER SKI LAKE
(3): INSTANTANEOUS ACCRETION TO RIVER FOR WATER PLACED IN PIPELINE TO RIVER
(4): LAGGED COL (1) + LAGGED COL 2 + COL 3

TABLE 4

GSL SAND AND GRAVEL MINE

REPLACEMENT SCHEDULE ASSUMING POND ALLOWED TO FILL BY JANUARY 16, 2012 (NO LINER), MINING CEASED ON NOVEMBER 22, 2011

(DEPLETIONS AND DELIVERIES ARE CONSIDERED POSITIVE IN THIS TABLE)

	(1)	(2)	(3)	(4)
YEAR MONTH	LAGGED TOTAL GROUND WATER EVAPORATION AND OPERATIONAL WATER LOSSES (ACRE-FEET)	LAGGED CREDIT FOR WATER PLACED IN HENDERSON WATER SKI LAKE (ACRE-FEET)	CREDIT FOR WATER PLACED IN SOUTH PLATTE RIVER (INSTANTANEOUS) (ACRE-FEET)	NET EFFECT TO RIVER (INCLUDES DEPLETIONS FROM DEWATERING AND LAGGED ACRETIONS FROM CREDITS TO S.P AND WATER SKI LAKE) (ACRE-FEET)
Nov 2022 through October 2023				
NOV	0.11	0.00	0.00	0.11
DEC	0.09	0.00	0.00	0.09
JAN	0.08	0.00	0.00	0.08
FEB	0.06	0.00	0.00	0.06
MAR	0.05	0.00	0.00	0.05
APR	0.05	0.00	0.00	0.05
MAY	0.06	0.00	0.00	0.06
JUN	0.11	0.00	0.00	0.11
JUL	0.17	0.00	0.00	0.17
AUG	0.21	0.00	0.00	0.21
SEP	0.24	0.00	0.00	0.24
OCT	0.24	0.00	0.00	0.24
TOTAL	1.47	0.00	0.00	1.47
Nov 2023 through October 2024				
NOV	0.22	0.00	0.00	0.22
DEC	0.20	0.00	0.00	0.20
JAN	0.17	0.00	0.00	0.17
FEB	0.15	0.00	0.00	0.15
MAR	0.14	0.00	0.00	0.14
APR	0.14	0.00	0.00	0.14
MAY	0.16	0.00	0.00	0.16
JUN	0.19	0.00	0.00	0.19
JUL	0.23	0.00	0.00	0.23
AUG	0.26	0.00	0.00	0.26
SEP	0.27	0.00	0.00	0.27
OCT	0.26	0.00	0.00	0.26
TOTAL	2.39	0.00	0.00	2.39
Nov 2024 through October 2025				
NOV	0.24	0.00	0.00	0.24
DEC	0.21	0.00	0.00	0.21
JAN	0.18	0.00	0.00	0.18
FEB	0.16	0.00	0.00	0.16
MAR	0.15	0.00	0.00	0.15
APR	0.15	0.00	0.00	0.15
MAY	0.16	0.00	0.00	0.16
JUN	0.19	0.00	0.00	0.19
JUL	0.23	0.00	0.00	0.23
AUG	0.26	0.00	0.00	0.26
SEP	0.27	0.00	0.00	0.27
OCT	0.27	0.00	0.00	0.27
TOTAL	2.47	0.00	0.00	2.47

NOTES:

(1): TABLE 2 VALUES LAGGED USING AWAS

(2): FOR WATER PLACED IN HENDERSON WATER SKI LAKE

(3): INSTANTANEOUS ACCRETION TO RIVER FOR WATER PLACED IN PIPELINE TO RIVER

TABLE 6
GSL SAND AND GRAVEL MINE
REPLACEMENT SCHEDULE PER LEASE WITH THE CITY OF AURORA

Nov 2024 through October 2025				
MONTH	REPLACEMENT REQUIRED (ACRE_FEET)	TRANSIT LOSS PER MILE (%)	TOTAL TRANSIT LOSS (%)	REPLACEMENT WATER DELIVERY SCHEDULE (ACRE_FEET)
Nov	0.24	0.25%	2.70%	0.25
Dec	0.21	0.25%	2.70%	0.22
Jan	0.18	0.25%	2.70%	0.19
Feb	0.16	0.25%	2.70%	0.17
Mar	0.15	0.25%	2.70%	0.15
Apr	0.15	0.50%	5.39%	0.16
May	0.16	0.50%	5.39%	0.17
Jun	0.19	0.50%	5.39%	0.20
Jul	0.23	0.50%	5.39%	0.24
Aug	0.26	0.50%	5.39%	0.27
Sep	0.27	0.50%	5.39%	0.29
Oct	0.27	0.25%	2.70%	0.27
TOTAL	2.47			2.58

DISTANCE FROM WWTP TO POINT OF DEPLETION (MILES) 10.78

Accounting Nov 2024-Oct 2025
Substitute Water Supply Plan for GSL Sand and Gravel Mine

Plan Information
WDID 0203018
DRMS Permit No. M-2001-085
Well Permit No. 57723-F
SW¼SW¼, Sec. 35, T1S, R67W, 6th P.M.
Water Division 1, Water District 2

Engineer
Craig Lis, P.E.
Martin and Wood Water Consultants, Inc.
538 Commons Drive
Golden, CO 80401
clis@martinandwood.com
(303) 526-2600

Owner Point of Contact
Mr. Eric B. Fenster
Eric B. Fenster, LLC
P.O. Box 4401
Denver, CO 80201
eric@fensterlaw.net
303-921-3530

Data Entry
Enter Data in the yellow shaded areas Un-used cells Release Requirement

Accounting

		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		Oct-25		Annual/Year-to-Date	
		Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual
Exposed Ground Water	(acres)	0.86		0.86		0.86		0.86		0.86		0.86		0.86		0.86		0.86		0.86		0.86		0.86		10.32	0.00
Evaporation	(acre-feet)	0.09	0.00	0.07	0.00	0.07	0.00	0.09	0.00	0.11	0.00	0.21	0.00	0.27	0.00	0.38	0.00	0.39	0.00	0.36	0.00	0.26	0.00	0.18	0.00	2.46	0.00
Downstream Call in Effect	(Days)				0																						
Depletion	(acre-feet)	0.24	0.00	0.21	0.00	0.18	0.00	0.16	0.00	0.15	0.00	0.15	0.00	0.16	0.00	0.19	0.00	0.23	0.00	0.26	0.00	0.27	0.00	0.27	0.00	2.47	0.00
Tranist Loss	%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	5.39%	5.39%	5.39%	5.39%	5.39%	5.39%	5.39%	5.39%	5.39%	5.39%	5.39%	5.39%	2.70%	2.70%		
Release Requirement	(acre-feet)	0.25	0.00	0.22	0.00	0.19	0.00	0.17	0.00	0.15	0.00	0.16	0.00	0.17	0.00	0.20	0.00	0.24	0.00	0.27	0.00	0.29	0.00	0.27	0.00	2.58	0.00
Aurora Release	(acre-feet)	0.25		0.22		0.19		0.17		0.15		0.16		0.17		0.20		0.24		0.27		0.29		0.27		2.58	0.00
Net Depletion	(acre-feet)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumulative Aurora Release	(acre-feet)		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00

If Actual Values are less than or equal to Estimated Values, and there is a call on the South Platte River downstream of the gravel pit, Actual Replacement equals Estimated Replacement.
Replacement is prorated for each month based on the number of days a downstream call is in effect.
If Actual Values are greater than Estimated Values, and there is a call on the South Platte River downstream of the gravel pit, Actual Replacement must be determined via AWAS using the Actual Values and the model parameters.

Monthly Evaporation

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Net Evaporation (acre-feet/acre)	0.083	0.098	0.132	0.238	0.31	0.439	0.451	0.418	0.303	0.205	0.099	0.075	2.852

Agreement
For Delivery of Reusable Raw Water

This Agreement ("Agreement") is entered into on this 24 day of November, 2020, by and between the City of Aurora, Colorado, a Colorado municipal corporation of the counties of Adams, Arapahoe and Douglas, acting by and through its Utility Enterprise ("Aurora"), whose address is 15151 East Alameda Parkway, Suite 3600, Aurora, Colorado 80012, and 120 85 LLC, whose address is 10925 E. 120th Ave, Henderson, Colorado 80640 ("120-85"). Aurora and 120-85 are each referred to herein as a "Party" and together as the "Parties."

Witnesseth

WHEREAS, Aurora has the right to use, or provide for use to others certain of its fully reusable municipal water return flows to the South Platte River ("Reusable Raw Water"); and

WHEREAS, such Reusable Raw Water is derived from trans-mountain or other reusable sources; and

WHEREAS, 120-85 has a use for a certain portion of this Reusable Raw Water; and

WHEREAS, Aurora and 120-85 desire to enter into this Agreement whereby Aurora shall deliver a portion of such Reusable Raw Water to 120-85; and

WHEREAS, this Agreement will be of mutual benefit and convenience to Aurora and 120-85; and

WHEREAS, the Aurora Utility Enterprise staff has determined, as a precondition to entering this Agreement, that Aurora is able to fulfill all exchange and operational obligations that require Reusable Raw Water, that it is able to fulfill all existing long-term agreements that require Reusable Raw Water (including this Agreement), and that all other needs of Aurora that may be fulfilled by these sources are met; and

NOW, THEREFORE, for and in consideration of the mutual promises and covenants contained herein, and other good and valuable consideration, the adequacy and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

Agreement

1. **Term**.

(a) The Term of this Agreement shall commence on the November 1, 2020, and continue until October 31, 2021, unless extended as set forth below ("Term").

(b) Subject to availability of Reusable Raw Water and at Aurora's sole discretion, 120-85 may continue this Agreement on an annual basis for up to five (5) additional one (1) year extensions, each additional year (November 1 to October 31) hereinafter referred to as an "Additional Year." 120-85 must notify Aurora by October 1st prior to the expiration of the Term that it requests the Term be extended for an Additional Year, as set forth in Paragraph 18(g)(2), below. Aurora will confirm the extension of this Agreement by written notification to 120-85 to be made no later than twenty (20) business days after 120-85's request.

2. **Delivery Amount and Schedule**. Aurora will deliver Reusable Raw Water to the Delivery Point (defined in Paragraph 3, below) for use by 120-85 in accordance with the schedule attached hereto as Exhibit A ("Delivery Schedule"). Amendments to the timing and amounts of the Delivery Schedule during the Term or for Additional Year(s) may be permitted upon 120-85's request and with Aurora's authorization and at its sole discretion. As long as Aurora is capable of delivering the Reusable Raw Water to the Delivery Points according to the Delivery Schedule, 120-85 will be obligated to pay the per-acre foot charge set forth in Paragraph 8, below, regardless of whether or not 120-85 uses the Reusable Raw Water.

3. **Delivery Point**.

(a) 120-85 agrees that Aurora shall make its delivery of the Reusable Raw Water at the outfall of the Metro Wastewater Reclamation District's Robert W. Hite treatment facility ("Hite"). 120-85 further agrees that Aurora may, in its sole discretion, satisfy its delivery obligations under this Agreement by delivering the Reusable Raw Water at any other delivery point or delivery points on the S. Platte River (each of Hite and such other delivery points, hereinafter, a "Delivery Point" and collectively, the "Delivery Points.") provided that such alternative Delivery Points are located within a reach of the South Platte River beginning at or below Hite and continuing downstream to a point at or above the location on the South Platte River that is a point in the NW ¼ of the SE ¼ of Section 34, Township 1 South, Range 67 West of the 6th P.M., which is 2,306 feet from the South Section line and 1,455 feet from the East Section line of said Section 34 [UTM Coordinates: Easting 511058, Northing 4418943] (such location, the "Point of Use"). 120-85 acknowledges and agrees that the alternate Delivery Points may include, but are not limited to, other wastewater treatment plans that may be constructed in the future that discharge Reusable Raw Water owned by Aurora, the Brighton Ditch augmentation stations, the outfall of Walker Reservoir, and the confluence of Sand Creek and the South Platte River. Aurora will bear the responsibility for delivery of the Reusable Raw Water to the Delivery Points. Once Aurora has completed its delivery of the Reusable Raw Water hereunder, 120-85 shall assume sole liability for any loss, damage, or injury that may occur to persons or property as the direct or indirect result of the control and/or use of said Reusable Raw Water by 120-85. The Delivery Amounts requested are to be calculated by 120-85 to include

any transportation losses, or "shrinkage," from the Delivery Points to 120-85's Point of Use downstream. 120-85 acknowledges the travel time between the alternate Delivery Points and 120-85's Point of Use varies, but that the timing for Aurora's delivery obligations as provided for under the Delivery Schedule shall remain the same regardless of Aurora's use of alternative Delivery Points.

(b) Credit for Avoided Transit Loss. Aurora's obligations with respect to the volume of Reusable Raw Water to be delivered under this Agreement are deemed to be satisfied if Aurora makes deliveries in such amounts as if delivered at Hite. Thus, if Aurora elects, in its sole discretion, to make its delivery of any Reusable Raw Water under this Agreement at a Delivery Point other than Hite, and if delivery at such alternative Delivery Point(s) results in reduced transit loss, Aurora shall be entitled to retain such avoided transit loss with no credit to 120-85 in water, money or otherwise. Aurora shall maintain and provide to 120-85 a monthly accounting and report of daily deliveries at the Delivery Point(s). If Aurora elects to deliver some or all of the Reusable Raw Water at alternative Delivery Point(s), then the foregoing reports shall include the calculated amount of avoided transit loss, and the amount of water physically delivered at such alternative Delivery Point(s). For purposes of calculating any such avoided transit loss, the Parties hereby agree that the volume of Reusable Raw Water required to be delivered by Aurora in accordance with the Delivery Schedule shall be discounted by an amount equal to one-half of one percent (0.5%) of such volume during the April through September irrigation season, or one-fourth of one percent (0.25%) of such volume during the October through March non-irrigation season, for each river mile in distance between Hite and such alternative Delivery Point(s) (such distance calculated to the nearest one-tenth of a mile), or by such other amount as determined by the Division Engineer for Water Division 1 (such office or its replacement the "Division Engineer") or as specified in an applicable statute or decree from a court of applicable jurisdiction. The product of this calculation shall represent the amount of avoided transit loss in acre-feet, which Aurora shall be entitled to retain.

4. **Source and Quality of Reusable Raw Water**. The Reusable Raw Water to be provided by Aurora under this Agreement shall, at Aurora's discretion, consist of Aurora's reusable municipal return flows to the South Platte River. Under no circumstances shall this Agreement be interpreted to mean that Aurora must supply other sources of water should the source set forth in this paragraph be unavailable. Aurora does not warrant or guaranty any water quality standards with respect to the Reusable Raw Water to be delivered as provided for under this Agreement, and 120-85 hereby waives any such warranty or guaranty.

5. **Use of Reusable Raw Water**.

(a) 120-85 shall have the right to use and reuse to extinction the Reusable Raw Water delivered under this Agreement for water supply purposes, including without limitation replacement and exchange purposes in connection with any substitute water supply plan approved by the Colorado State Engineer's Office, augmentation and exchange purposes in accordance with any augmentation plan or appropriative right of exchange decreed by the Colorado Water Court, and any other lawful exchanges; provided that such use is consistent with the terms of this Agreement and all applicable laws, rules and regulations.

(b) Aurora does not allow the use of, and LLC-85 will not use, the Reusable Raw Water by direct use, augmentation, replacement, or exchange within or upstream of a decreed instream flow reach if such use will deprive the decreed instream flow of water it is entitled to by priority unless waived by the Colorado Water Conservation Board ("CWCB") consistent with the CWCB Board procedures and law allowing such action. Any such use will be deemed a violation of the terms of this Agreement.

6. **Water Rights Accounting**. 120-85 will be solely responsible for any and all reporting and accounting required by the Colorado State Engineer, the Division Engineer for Water Division 1, the Water Commissioner for Water District 2, or any other lawful authority after Aurora makes its delivery of the Reusable Raw Water as provided for under this Agreement. This responsibility includes, but is not limited to, 120-85's withdrawal of the Reusable Raw Water from the South Platte River (if any) and 120-85's use of the Reusable Raw Water. In addition to the reporting requirements set forth in Paragraph 3, above, Aurora will provide any and all reporting and accounting required by the Colorado State Engineer, the Division 1 Engineer, or any other lawful authority concerning proof of the reusability of the Reusable Raw Water, and conveyance of the Reusable Raw Water to the Delivery Points.

7. **Subordination Clause**. This Agreement shall be made expressly subordinate to any present or future use of Reusable Raw Water by Aurora for the purposes of augmentation, exchange, or any other use which is or will be of greater direct benefit to Aurora and the users of its water delivery system, as well as to the water supply obligations which Aurora has incurred or will incur from any firm delivery annual agreement or delivery contract of Reusable Raw Water executed prior to the date of this Agreement or that Aurora determines, in its sole discretion, this Agreement is to subordinate to. The foregoing subordination does not, in and of itself, create an excuse for Aurora's failure to deliver the Reusable Raw Water under this Agreement. However, the Parties agree that the purpose and obligations under this Agreement and Aurora's other obligations with respect to its Reusable Raw Water in the event of a *force majeure* event may cause delay or interruption in Aurora's delivery of the Reusable Raw Water. As used herein *force majeure* shall mean any delay or failure of a Party to perform its obligations under this Agreement caused by events beyond the Party's reasonable control, and without the fault or negligence of the Party.

8. **Consideration**. 120-85 agrees to pay to Aurora the amount of Five Hundred Fifty Dollars ($550.00) per acre-foot ("Unit Rate") for all Reusable Raw Water delivered under this Agreement. If this Agreement is continued for Additional Years, the Unit Rate shall escalate annually by the same percentage increase as the overall average revenue increase in Aurora's potable rates.

9. **Payment**. Immediately after the Effective Date, as defined in Paragraph 18(m), below, Aurora shall bill for all Reusable Raw Water delivered to 120-85 for the Term, and will bill annually for any Additional Year(s). All billing shall be done on such forms as designated by Aurora for that purpose. Payment by 120-85 shall be due no later than forty-five (45) days after such bill has been issued. If 120-85 does not make the required payment by the due date, Aurora may give 120-85 a notice of default. If 120-85 does not cure the default by making full payment within thirty (30) days of receipt of any notice of default, then Aurora, in addition to pursuing any other remedies available to it, may declare this Agreement terminated. Any delay in Aurora's

invoicing for payments under this Agreement shall not constitute a breach of Aurora's obligations and shall not relieve 120-85 of its obligations to pay all consideration due hereunder.

10. **Non-Assignability and No Subleases**. Neither Party may assign its rights or delegate its duties hereunder without the prior written consent of the other Party. 120-85 may not sublease or give others the right to use the Reusable Raw Water to which it is entitled pursuant to this Agreement without the written permission of Aurora, which permission Aurora may grant or withhold at its discretion.

11. **Successors and Assigns**. This Agreement and the rights and obligations created hereby shall be binding upon and inure to the benefit of the Parties, respective successors and assigns, if any are allowed. The Parties intend that Aurora shall not incur any liability other than those liabilities running directly to Aurora or its assigns permitted under this Agreement, if any. 120-85 therefore covenants and agrees, to the extent permitted by law, to indemnify, save and hold harmless Aurora from all liability, cost or expense of any kind, including Aurora's costs of defense to any other party arising in connection with or relating in any way to the execution, delivery or performance of any allowed assignment or any related document by the parties thereto or to the consummation of any transaction in connection with such documents.

12. **No Rights Conferred**. Except as otherwise provided in this Agreement, the Parties acknowledge that all Reusable Raw Water provided hereunder is intended for the present and future use of Aurora. It is further understood and agreed to by the Parties that this Agreement shall confer no rights in such Reusable Raw Water upon 120-85, nor shall any future needs of 120-85 for water enable 120-85 to make claim against Aurora for any of Aurora's Reusable Raw Water, other water or water rights. 120-85 further acknowledges the statutory prohibition against vesting of a right for a continued lease expressed in CRS § 31-35-201 applies in these circumstances.

13. **No Opposition to Aurora Water Court Matters**. From the date of execution of this Agreement and for the Term, 120-85 agrees that neither it nor any of its successors, if any are allowed, will oppose Aurora in any Colorado Water Court applications filed by Aurora except to assert injury to a vested or conditional water right.

14. **Entire Agreement of the Parties**. This Agreement represents the entire agreement of the Parties, and neither Party has relied upon any fact or representation not expressly set forth herein. All prior and contemporaneous conversations, negotiations, possible alleged agreements, representations, covenants and warranties concerning the subject matter hereof, are merged in this Agreement.

15. **Amendment**. This Agreement may be amended, modified, changed, or terminated in whole or in part only by written agreement duly authorized and executed by the Parties hereto. Extensions of this Agreement for Additional Year(s) or to amend the Delivery Amount and/or Delivery Schedule, as set forth in Paragraphs 1 and 2, respectively, may be as requested and confirmed in Paragraph 18(g)(2), below.

16. **Enforcement**. The Parties agree that this Agreement may be enforced in law or in equity for specific performance, injunctive, or other appropriate relief, including damages, as may be

available according to the laws of the State of Colorado. It is specifically understood that, by executing this Agreement, each Party commits itself to perform pursuant to the terms hereof, and that any breach hereof resulting in any recoverable damages shall not thereby cause the termination of any obligations created by this Agreement unless such termination is requested by the Party not in breach hereof.

17. **Sole Obligation of Utility Enterprise**.

(a) This Agreement shall never constitute a general obligation or other indebtedness of the City of Aurora ("City"), or a multiple fiscal year direct or indirect debt or other financial obligation whatsoever of the City within the meaning of the Constitution and laws of the State of Colorado or of the Charter and ordinances of the City.

(b) In the event of a default by Aurora's Utility Enterprise of any of its obligations under this Agreement, 120-85 shall have no recourse for any amounts owed to it against any funds or revenues of the City except for those revenues derived from rates, fees or charges for the services furnished by, or the direct or indirect use of, the Water System and deposited in the Water Enterprise Fund, as the terms "Water System" and "Water Enterprise Fund" are defined in Aurora's City Ordinance No. 2003-18, and then only after the payment of all operation and maintenance expenses of the Water System and all debt service and reserve requirements of any bonds, notes, or other financial obligations of the Utility Enterprise secured by a pledge of the net revenues of the Water Enterprise Fund. Notwithstanding any language herein to the contrary, nothing in this Agreement shall be construed as creating a lien upon any revenues of the Utility Enterprise or the City.

18. **Miscellaneous.**

(a) **Intent of Agreement**. This Agreement is intended to describe the rights and responsibilities of and between the named Parties, and is not intended to, and shall not be deemed to confer rights upon any persons or entities not named as Parties, nor to limit in any way the powers and responsibilities of Aurora, 120-85, or any other entity not a party hereto.

(b) **Effect of Invalidity**. If any portion of this Agreement is held invalid or unenforceable for any reason by a court of competent jurisdiction as to either Party or as to both Parties, the entire Agreement will terminate.

(c) **Waiver of Breach**. Waiver of breach of any of the provisions of this Agreement by either Party shall not constitute a continuing waiver of any subsequent breach by said Party of either the same or any other provision of this Agreement.

(d) **Multiple Originals**. This Agreement may be simultaneously executed in any number of counterparts, each one of which shall be deemed an original, but all of which constitute one and the same Agreement.

(e) **Headings for Convenience**. Headings and titles contained herein are intended for the convenience and reference of the Parties only, and are not intended to confine, limit, or describe the scope of intent of any provision of this Agreement.

(f) **Recordation**. Following the execution of this Agreement, the Parties may cause this Agreement to be recorded with the Clerk and Recorder's Office of such county or counties in Colorado as they may desire.

(g) **Notice**.

(1) All notices, requests, demands, or other communications ("Notice", and collectively, "Notices") hereunder shall be in writing and given by (i) established express delivery service which maintains delivery records requiring a signed receipt, (ii) hand delivery, or (iii) certified or registered mail, postage prepaid, return receipt requested to the Parties at the following address, or at such other address as the Parties may designate by Notice in the above manner.

To Aurora:	City of Aurora 15151 East Alameda Parkway, Suite 3600 Aurora, CO 80012-1555 Attn: General Manager, Aurora Water
with copy to	City of Aurora 15151 East Alameda Parkway, Suite 5300 Aurora, CO 80012-1555 Attn: City Attorney
To 120-85:	120-85, LLC 10925 E. 120th Ave Henderson, Colorado 80640 Attn: Adam Schultejann

Notices shall be effective (iv) the next day following the date sent by an established express delivery service which maintains delivery records requiring a signed receipt, (v) upon receipt by the addressee of a hand delivery, or (vi) three (3) days following the date of mailing via certified or registered mail, postage prepaid, return receipt requested.

(2) Notwithstanding the foregoing, the Parties may communicate with respect to Delivery Amount and/or Schedule pursuant to Paragraph 2 by e-mail or phone as follows: (i) to Aurora to John Murphy at jmurphy@auroragov.org, phone 303-739-7360; and (ii) to 120-85 to Kelly Johnson at ebscolorado@gmail.com, phone 720-276-9740, or (iii) as may be designated by Notice in the manner provided for under this Paragraph 18.g. Further, requests to extend the Term for Additional Years and/or to amend the Delivery Amount and/or Delivery Schedule pursuant to Paragraphs 1 and 2, respectively may be provided by email to Aurora to John Murphy, to be followed by written confirmation by Aurora.

(h) **Non-Business Days**. If any date for any action under this Agreement falls on a Saturday, Sunday or a day that is a "holiday" as such term is defined in Rule 6 of the Colorado Rules of Civil Procedure, then the relevant date shall be extended automatically until the next business day.

(i) **Commissions and Fees**. Each Party shall be solely responsible for the payment of any and all real estate commissions or other commissions or fees that it incurs with respect to this Agreement.

(j) **Governing Law and Venue**. This Agreement and its application shall be construed in accordance with the law of the State of Colorado. Should it be necessary to initiate court proceedings concerning this Agreement, the Parties agree that venue shall be in the District Court for Arapahoe County, Colorado.

(k) **No Attorneys' Fees**. In the event of any litigation, mediation, arbitration or other dispute resolution process arising out of or related to this Agreement each Party agrees to be responsible for its own attorneys' and other professional fees, costs and expenses associated with any such proceedings.

(l) **No Construction Against Drafter**. This Agreement was drafted by Aurora with review and comment from the attorney for 120-85. Accordingly, the Parties agree the legal doctrine of construction against the drafter will not be applied should any dispute arise concerning this Agreement.

(m) **Effective Date**. The "Effective Date" of this Agreement is the date it is signed by the General Manager of Aurora Water.

IN WITNESS WHEREOF, the Parties hereto have duly executed this Agreement as of the Effective Date.

(signatures on following pages)

CITY OF AURORA, COLORADO,
ACTING BY AND THROUGH ITS
UTILITY ENTERPRISE (AURORA)

Marshall P. Brown
General Manager, Aurora Water

11/24/2020
Date

APPROVED AS TO FORM FOR AURORA:

Christine McKenney
Client Manager

Stephanie Neitzel, Assistant City Attorney

11/23/20
Date

20009452
ACS #

STATE OF COLORADO)
) ss
COUNTY OF ARAPAHOE)

The foregoing instrument was acknowledged before me this 24th day of November, 2020, by Marshall P. Brown, General Manager, Aurora Water, acting on behalf of the Utility Enterprise of the City of Aurora, Colorado.

Witness my hand and official seal. Casey Lee Rossman
Notary Public

My commission expires: 05/20/2024

(SEAL)

CASEY LEE ROSSMAN
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20204017584
MY COMMISSION EXPIRES 05/20/2024

120 85 LLC (120-85)

Adam Schultejann
Owner

11/20/20
Date

STATE OF COLORADO)
) ss
COUNTY OF)

The foregoing instrument was acknowledged before me this 19 day of Nov., 2020, by Adam Schultejann, Owner of 120 85 LLC.

Witness my hand and official seal.

Notary Public

My commission expires: 2/20/24

(SEAL)

Aspen Christine Broersma
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20204007210
MY COMMISSION EXPIRES FEBRUARY 20, 2024

AURORA WATER

City of Aurora

Water Administration
15151 E. Alameda Parkway, Suite 3600
Aurora, Colorado 80012
303.739.7370

Worth Discovering • auroragov.org

September 25, 2024

Mr. Ken Schultejann
120-85 LLC
10925 E. 120th Ave.
Henderson, CO 80640

Re: 120-85 LLC Agreement for Delivery of Reusable Raw Water

Dear Mr. Schultejann:

This letter provides the City of Aurora's consent to continue the above-referenced agreement between the City of Aurora and 120-85 LLC, dated November 24, 2020 ("Agreement") for an Additional Year (November 1, 2024, through October 31, 2025) for delivery of water pursuant to the Delivery Schedule attached to this letter. This consent is in response to the request from Donna Schultejann representing 120-85 LLC for said continuance pursuant to the attached Delivery Schedule that modifies the original Delivery Schedule.

Extension of the Agreement for Additional Years is permitted under Paragraph 1 of the Agreement. The modified Delivery Schedule attached to this letter replaces the Delivery Schedule attached as Exhibit A to the Agreement. The Unit Rate for the Reusable Raw Water to be delivered under the attached Delivery Schedule will be $622.00 per acre-foot for 2024 and will increase in 2025 based on any City rate increases. The Effective Date of the Agreement for the purposes of this Additional Year is the date of this letter. All other terms of the Agreement remain unchanged, and in full force and effect.

If you have any questions concerning this letter, please do not hesitate to contact John Murphy at the above telephone number.

Sincerely,

Dawn M. Jewell
South Platte Basin Water Resources Manager
City of Aurora, Colorado

Cc: Donna Schultejann
John Murphy

GLS Sand and Gravel Pit

EXHIBIT A
DELIVERY SCHEDULE
Nov 2024 - Oct 2025
(ACRE-FEET)

Projected Maximum Delivery Amount	
Month	Acre Feet
NOV	0.25
DEC	0.22
JAN	0.19
FEB	0.17
MAR	0.15
APR	0.16
MAY	0.17
JUN	0.20
JUL	0.24
AUG	0.27
SEP	0.29
OCT	0.27
TOTAL	2.58

April 30, 2010

Permittee Address

RE: Mining Operations with Exposed Ground water

To Whom It May Concern:

The Division of Reclamation Mining and Safety is responsible for ensuring that Sand and Gravel mining operators comply with the requirements of the Colorado Land Reclamation Act for the Extraction of Construction Materials (Act) and the Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials (Rules). Among these requirements are provisions for the protection of water resources. The Act requires that reclamation plans must ensure minimization of disturbances to the prevailing hydrologic balance, including disturbances to the quantity of water in the area affected by mining and in the surrounding areas. § 34-32.5-116(4)(h). Rule 3.1.6(1)(a) requires compliance with Colorado water laws and regulations governing injury to existing water rights both during and after mining. Permits must specify how the permittee will comply with applicable Colorado water laws and regulations governing injury to existing water right rights. Rule 6.3.3(j); Rule 6.4.5(2)(c). After an extensive review, the Division determined that several operators may not have appropriate permit conditions to address certain reclamation liabilities arising from impacts to water resources.

In September 2009 the Division of Water Resources (DWR) updated its Guidelines for Sand and Gravel Pits. These guidelines provide guidance on achieving compliance with state law regarding replacement of depletions from sand and gravel mining, thus the guidelines provide a benchmark for the protection of hydrologic balance required under the Act and Rules. As noted in the Guidelines, sand and gravel operations which expose groundwater without complying with state law create a reclamation liability by impacting available groundwater.

State law requires that any person exposing ground water must obtain a well permit from the SEO pursuant to § 37-90-137(11). Because exposed groundwater results in out-of-priority water depletions, operations which expose ground water must also eventually obtain a water-court approved augmentation plan. Currently, several operators do not have either an augmentation plan or bonding to provide an alternative method to mitigate injurious stream depletions that result from mining-related exposure of ground water. The Division has a statutory duty to ensure that lands affected by mining are reclaimed in a manner that complies with state law and to ensure that operators have sufficient bonding to achieve reclamation. In order to assist operators in achieving compliance with these requirements, the Division proposes that, by April 30, 2011, operators should contact the Division and agree upon a plan for achieving compliance.

The Division has identified four approaches for operators:

1. File a financial warranty that will ensure backfilling of the pit to cover the exposed ground water to a depth of two feet above the static ground water level or,

2. Obtain a court approved augmentation plan prior to exposing ground water or,

3. File a financial warranty to cover the cost of installing a clay liner or slurry wall that meets the Division of Water Resources requirements for preventing ground water exposure or,

4. Obtain approval from the Division of Water Resources that acknowledges compliance with the SEO's requirements pursuant to § 37-90-137(11).

The Division will work with operators on an individual basis as they move to implement one of these plans. It is likely that options 1 and 3 will require the submittal of a technical revision or an amendment to the existing permit depending on the nature of the current mining and reclamation plan and the proposed changes. Increased financial warranties, as a result of these modifications, may be posted in a phased manner not to exceed three years. Amendments or revisions currently under review will be required to be approved by April 30, 2011 and may use the phased financial warranty approach described above. New applications going forward or presently under review by the Division will be required to meet the requirements of one of the options 1-4 at the time of application approval. Failure of affected operators to initiate contact with the Division and gain compliance as described above could result in an enforcement action being issued by the Division.

If you have any questions, please contact Tony Waldron at 303-866-3567, extension 8150.

cc: Permit Id Site Name

COLORADO
Division of Water Resources
Department of Natural Resources

Augmentation Plan Accounting Protocol
June 2022

Accounting is an administrative tool to confirm water use is in accordance with a decree or other approval including that any required replacement is made to the stream system at the correct time, location, and amount. This guideline is subordinate to any decree language or Division Engineer specific accounting requirements. It describes basic augmentation plan accounting scenarios. Accounting for more complex scenarios can build on the fundamentals described herein.

Contents

1. Background and definitions

A thorough description of augmentation plans for well pumping is available in the Beginners Guide to Augmentation Plans for Wells. The following terms are used in this document:

- **Diversions** are withdrawals from a well, stream, or pond/reservoir.
- **Depletions** are the volume of reduced streamflow caused by a diversion. Lagged depletions are those that occur at a later time than when water is diverted by well pumping or groundwater pond evaporation due to the timing of water movement through the subsurface between the well/groundwater pond and the stream.
- **Hydrobase** is DWR's database of water information.
- **Colorado's Decision Support Systems ("CDSS")** is a State of Colorado website (https://cdss.colorado.gov/) providing access to water data and tools.
- **Replacement water** is a volume of water provided to the stream system to replace depletions and satisfy the unmet needs of senior water rights. Replacement water is typically provided from a reservoir release or another source that has been contracted for the purpose of replacing depletions. Replacement water may also be provided in the form of historic consumptive use ("HCU") credits derived from a change of water right where the use of a water right was changed to augmentation.
- **Transit loss** is the diminishment of the amount of water in a stream as water travels from upstream to the downstream location.
- **Priority Admin Number** indicates the seniority of a water right; equal to the number of days between a water right's priority date and the earliest decreed priority, December 31, 1849. For example, the Priority Admin Number for a water right with a priority date of May 5, 1950 is 36650.00000. The lower the Priority Admin Number, the more senior the water right. The five digits to the right of the period are used when the postponement doctrine applies to a water right due to a delay in decreeing the water right in the court (read more about this in the Administrative Call Standard, Appendix A).
- **Administrative Call** is a term that indicates there are unfulfilled downstream water rights "calling" for curtailment of upstream junior water rights to fulfill their need. In accounting, when the downstream Administrative Call is from a senior water right (with a lower Priority Admin Number), diversions/depletions are out-of-priority and replacement water must be provided.
- **Balance** is the amount of replacement water minus the depletions and obligations, not considering the Administrative Call. The balance may be negative when the diversions resulting in the depletions are in priority.
- **Net Effect** is the amount of replacement water minus the depletions and obligations, considering the Administrative Call. When the net effect is zero or positive, it shows that the Augmentation Plan prevented injury by replacing all out-of-priority diversions/depletions.

2. Methods to submit accounting

a. Accounting and Reporting Uploader (preferred)

The preferred method to submit accounting is through the use of the CDSS Accounting and Reporting Uploader tool. To set up an online account, call or email the Division contacts for the appropriate Water Division as shown in Table 1. Additional information is available on DWR's website under Data and Information/Online Data Submittal.

b. Email

Submit via email to the Water Commissioner and the Division Accounting email shown in Table 1. File names for accounting sheets should include the 7 digit Augmentation Plan WDID assigned by the Division Engineer's office.

3. Timing of accounting submittal

Accounting must be submitted as specified by your decree, DWR administrative approval (SWSP, Replacement Plan, etc.), or as requested by the Division Engineer or designated representative(s). If timing is not specified, submit accounting with the timing shown in Table 1.[1]

Table 1. Accounting Submittal Emails and Phone Number by Division

Division	Accounting Question & Submittal Email	Contact Phone Number	Standard Submittal Timing
1 - South Platte	Div1Accounting@state.co.us	970-352-8712	30 days after the end of the reporting month
2 - Arkansas	water.reporting@state.co.us	719-542-3368	10 days after the end of the reporting month*
3 - Rio Grande	kevin.boyle@state.co.us	719-589-6683	10 days after the end of the reporting month
4 - Gunnison	greg.powers@state.co.us	970-249-6622	10 days after the end of the reporting month
5 - Colorado	dnr_div5acct@state.co.us	970-945-5665	10 days after the end of the reporting month
6 - Yampa/White	brian.romig@state.co.us	970-846-0036	Annually by November 15 or as needed upon request
7 - San Juan/ Dolores	dnr_div7acct@state.co.us	970-247-1845	10 days after the end of the reporting month**
Designated Ground Water Basins	chris.grimes@state.co.us	303-866-3851 ext. 8253	Annually by February 15 for the prior year

*for approvals deemed critical for administration; all others (including simple subdivisions) bi-annual readings before and after the irrigation season

**for approvals deemed critical for administration; annual submittals for others

[1] For proper administration, Water Commissioners may request regular and direct submission of water data in addition to accounting submittals described herein.

4. Overall organization of accounting spreadsheet and required information per tab

a. Overall organization

The following are typical spreadsheet tab names in accounting. See the example and screenshots section for an overview of what this might look like:

i. Contact/Plan Information tab
ii. Input tab(s)
iii. Depletions & Obligations tab
iv. Replacement tab
v. Summary tab
vi. DWR tab
vii. DWR Meters tab
viii. Version/Notes tab

Fewer or additional tabs as necessary for more simple or complex accounting, subject to approval by the Division Engineer

b. Contact/Plan Information Tab

The accounting must provide the contact information including name and email address for:

i. The party(s) responsible for submitting the accounting
ii. The plan administrator and/or the plan attorney
iii. Water court case number (format of YYCWXXXX), SWSP name and 4-digit Plan ID, or Ground Water Commission Order represented in the accounting.
iv. The 7-digit overall WDID(s) associated with the augmentation plan (not the individual structure WDIDs).[2]

c. Input Tab(s)

When possible, all cells showing diversion of water (well pumping and stream diversions) should be located on one or multiple input tabs as shown below. Cells with regular input, such as meter readings and reservoir releases, should be shaded a specifically identified color to distinguish them from cells that use formulas to convert or summarize the input.

Depending on the specific operation, the following may be included on Input tabs:

i. Estimated water use or evaporation:

When meters or measurement structures are not required, water consumption is estimated based on counts (number of homes, number of domestic animals, acreage of pond surface area, etc.) multiplied by a factor. Include a column or row for each of the following that are relevant to the augmentation plan:

1. Type of use: single family dwellings, domestic animals, area of lawn and garden (include units - square feet or acres), area of pond evaporation (include units - square feet or acres), etc.
2. Count or area input value for each type: the number of homes or domestic animals or the area (square footage or acres of home lawn and garden irrigation or pond surface evaporation). [this is the "Input" that could change regularly]

[2] Colorado Decision Support System Tools (https://dwr.state.co.us/Tools) can be used to find WDIDs (see Structures), court case numbers (see Water Rights), and other supporting information.

3. Factor to convert input to consumption in acre-feet.
4. Acre-feet of consumption.

ii. Well diversion data using flow meters:

Enter raw readings or measurements (e.g., from totalizing flow meters) and how those raw readings or measurements are converted to volumes of water. There should be one row or column for each well with a meter as described below. Once the spreadsheet formulas have been established, generally only the meter reading is entered with every submittal. The well and meter information may be located in a separate well & meter information tab (see example and screenshots section).

1. Well WDID
2. Well Permit Number
3. Priority Admin Number
4. Flow Meter Serial Number
5. Reading Date
6. Reading[3] [this is the "Input" that will change regularly]
   Enter reading exactly as shown on the face of the meter as a non-negative integer.
7. Comment
   a. When a meter rolls over (such as from 999 to 000), is replaced or reset[4] , add a comment stating the old meter serial number, the maximum number before the rollover or replacement and then enter the number on the face of the meter at the end of the reporting period. Update the meter information section with the new meter's serial number.
8. Meter information:
   a. Make
   b. Model
   c. The units represented by the digits on the meter (such as gallons or acre-feet)
   d. Multiplier for meter reading (if applicable)
      i. Residential well meters typically have a multiplier of 1.0 with units of gallons. Readings should generally report all numbers on the face of the meter (including non-rotating digits) with a multiplier of 1.0.
      ii. Larger agricultural or commercial wells typically read in acre-feet and typically have a decimal multiplier. For instance, with a multiplier of 0.001, a meter reading of 123456 represents 123.456 acre-feet.
   e. Correction factor
      i. This is a multiplier used when a meter test shows a need to correct the installed meter to an accurate reading. This will be 1.0 when there is not a test showing a need for correction.
9. Acre-feet pumped
   Use a formula to convert from the meter reading to acre-feet using the multiplier and correction factor. To convert meter readings in gallons to acre-feet, divide by 325,851.

iii. Well diversion data using Electricity Consumption

For wells approved to use power records and a Power Conversion Coefficient (PCC) to estimate water pumped, the accounting information is similar to well diversion data using flow meters (section 4.c.ii) above with the following replacements (instead of 6. "Reading" and 8. "Meter information):

[3] A comment on the Meter Reading cell is used to note "Actual, Estimated, Corrected, or Calculated" for all wells subject to measurement rules when the entry is not based on a reading taken on the actual date specified.
[4] Resetting a meter may be prohibited by local well measurement rules.

6. Power meter reading [this is the “Input” that will change regularly]
8. Power Meter Information
    a. PCC

iv. Surface diversion data

Include a column or row for each surface diversion with the following information:

1. Diversion structure name or a.k.a.
2. Structure WDID
3. Measured flow through the measurement structure and units
    a. If more than one water right is diverted through the structure, there should be adjacent columns for each. Each source should have a designated column or row and labeling should include the measuring structure WDID and the source of the water (e.g. case number).
    b. If there is a multiplier that adjusts the standard measurement-flow relationship to reflect the actual measurement-flow relationship of the specific structure (“shift”), the adjusted value should be reflected in a separate column.
4. Priority Admin Number
5. Storage and release

If the diversion is to storage, which will be followed by a release of water, follow the instructions in the Reservoir Accounting Guideline.

v. Administrative Call (are diversions in-priority?)

In portions of Colorado, there may be times when depletions are in-priority, and do not require replacement. Depletions are in-priority when water rights on the stream system that are senior to the diversion have enough water and are not “calling” for more water.

1. **Simplified (percent of month administrative call)**
   For certain basic accounting, such as subdivision well depletions, the Division Engineer may allow or apply an estimate of the days of expected administrative call each month. Typically, replacement water is provided based on projected call days, which is later compared to actual administrative call data to ensure that adequate replacement was provided. In this case, the accounting should have an input field either for the number of call days or the percentage of days in the month with a call.
2. **Daily record of administrative call**
   Provide a column that shows whether depletions are either “IN” or “OUT” of priority each day.
    - Locations with minimal call variation: In areas with minimal variation in the call, the Division Office may not require a formula comparing Priority Admin Numbers, but will accept manual entries of “IN” or “OUT” of priority each day.
    - All other locations: “IN” or “OUT” of priority is determined daily using formulas comparing the Priority Admin Number of depletions to the Priority Admin Number of the calling water right in each depleted stream reach. Include a column for each of the following:
        - The Priority Admin Number of the calling water right. Calling structure information can be obtained programmatically from:
            - CDSS REST services - insert a link that pulls the required information directly from DWR’s database.
            - CDSS Administrative Calls tool.

          DWR accounting staff can provide guidance on incorporating this information within an accounting spreadsheet.

- The Name of the calling water right
- "In" or "Out"-of-priority either for all structures covered by the accounting or for each structure in its own column. Use a formula to compare the Priority Admin Number of the calling structure to the Priority Admin Number of the structure(s) in the accounting.

d. Depletion & Obligation tab

Used to (1) convert well pumping (and groundwater pond evaporation) to lagged depletions impacting the stream and (2) show lagged depletions that are out-of-priority, and (3) include any additional water obligations of the plan for augmentation.

i. Calculate lagged depletions - Although well pumping and modeling may use a monthly step function to determine the depletions from pumping, the monthly result may, if requested by the Division Office or required by decree, then be divided by the number of days in the month in order to calculate a daily impact for daily water administration.
   1. Well Pumping (or groundwater pond evaporation) - Reference back to the Input tab for the acre-feet of water pumped or evaporated.
   2. Consumption factor (%) - If the decree or approval describes that a percentage of the water pumped is consumed and only the consumed amount is replaced.
   3. Acre-feet consumed - Multiply the acre-feet pumped by the consumption factor.
   4. Delay Factors - show factors that convert pumping in one month to depletions in future months. These may be percentages per month, that total 100 percent over an extended period of time.
   5. Depletions - a formula that combines previous months and present month pumping with the delay factors to determine depletions impacting the stream this month and in future months.

ii. Out-of-priority depletions are combined into one column for each reach considering the administrative call information included on the Input tab.

iii. Return flow obligations (if applicable): Replacement water sources changed from a historical irrigation use usually have a return flow obligation that must also be tracked in accounting. Return flow obligations are similar to depletions because they must be replaced in time, place, and amount. Depending on decree language and preference, return flow obligations may be included under the replacement tab in section 4.e. below. For each replacement source with return flow obligations, include the following:
   - the basis and volume of the return flow obligation,
   - the location of the return flow obligation,
   - replacement of the return flow obligation.

e. Replacement tab

List each structure providing replacement water, transit loss information, and volumes released:

i. Structure providing replacement water: name of reservoir, ditch, well, leased or other replacement water, its WDID, and the water court decree allowing its use for augmentation or replacement. For instructions on accounting for replacement using recharge accretions, refer to specific recharge guidance.

ii. Replacement water travel distance (miles)
the distance from the point of release to the location of the out-of-priority depletion where replacement is owed

iii. Transit loss percent per mile (%)

iv. Total transit loss (%)
v. Volume released (acre-feet)
vi. Transit loss volume (acre-feet)
vii. Volume delivered (acre-feet) - equal to volume released minus transit loss volume
viii. Return flow obligations (acre-feet): Depending on decree language as described above, these may be included here instead of in the depletion tab. See description under section 4.d. above.

f. Summary Tab

The Summary Tab is used to calculate the Net Effect of the Plan on each impacted stream reach. The summary should reference back to information and formulas in the other spreadsheet tabs. The summary tab compares obligations, replacements and that replacements equal or exceed obligations in time, place, and amount. The Summary tab should only summarize data and calculations located in other tabs of the accounting. It should not contain manual entries, input data, or make calculations that are used in other tabs.

The Summary Tab should contain the following for each impacted stream reach (typically on a daily basis or as required by the division office):

i. Total depletions and obligations
ii. Total replacement
iii. Balance - Total replacement minus total depletions and obligations, which may be negative when the diversions resulting in the depletions are in priority.
iv. Net Effect - Total replacement minus out-of-priority depletions and obligations. If the net effect is negative, the Plan resulted in injury.

g. DWR tab for Diversion Record Data Import

A tab titled **"DWR"** can be used to convert data input or numbers calculated in other tabs into rows that represent diversion record water classes, which DWR staff can upload to create official diversion records. When appropriate, DWR staff will develop this tab or work with plan owners to develop this tab, and ensure it follows the format shown in the "Diversion Record Spreadsheet User Guide" and utilizes water classes according to the Diversion Records Standard. This format is necessary to allow the records to be imported directly into Hydrobase.

h. DWR Meters tab for Meter Reading Data Import

A tab titled **"DWR Meters"** can be included for use in bulk uploading meter readings. This calculates pumping totals in compliance with well rules or to meet other Division-specific requirements. In order for this tab to be bulk uploaded into Hydrobase, the columns in this tab must be formatted as shown in the "User Guide - How to Bulk Upload Meter Readings".

i. Version/Notes tab

A tab to document changes in accounting formulas and the date of those changes.

5. Requirements and recommendations for all tabs

a. Accounting should show how raw input data is manipulated using formulas to determine the resulting impact on the river. Accounting must therefore include a functional spreadsheet (ie no pdfs) showing all operations, formulas, etc. to clearly show calculations.

b. The use of a water year of November 1 through October 31 is required unless specifically decreed otherwise. When a different water year is required by decree, DWR may request additional months of data in the accounting to include the November 1 through October 31

time period, resulting in more than 12 months of data being reported.

c. For all tabs other than the Summary tab, include running accounting for the entire water year without monthly subtotals. Monthly subtotals commonly result in errors in the spreadsheet. The Summary tab can be used as a place to show monthly totals.

d. Date fields should be complete dates (month, day, and year, recognized as a date value by the spreadsheet software) but may be formatted to display as desired.

e. Use consistent cell color shading to clearly identify the different types of information, such as manual input cells and formula cells (provide a legend for data types, see example below)

f. Enter "0" in cells to document no diversion or use, rather than blanks, hyphens, or another character.

g. When a formula is overwritten with a manual entry, the cell should be highlighted and a comment added for the reasoning.

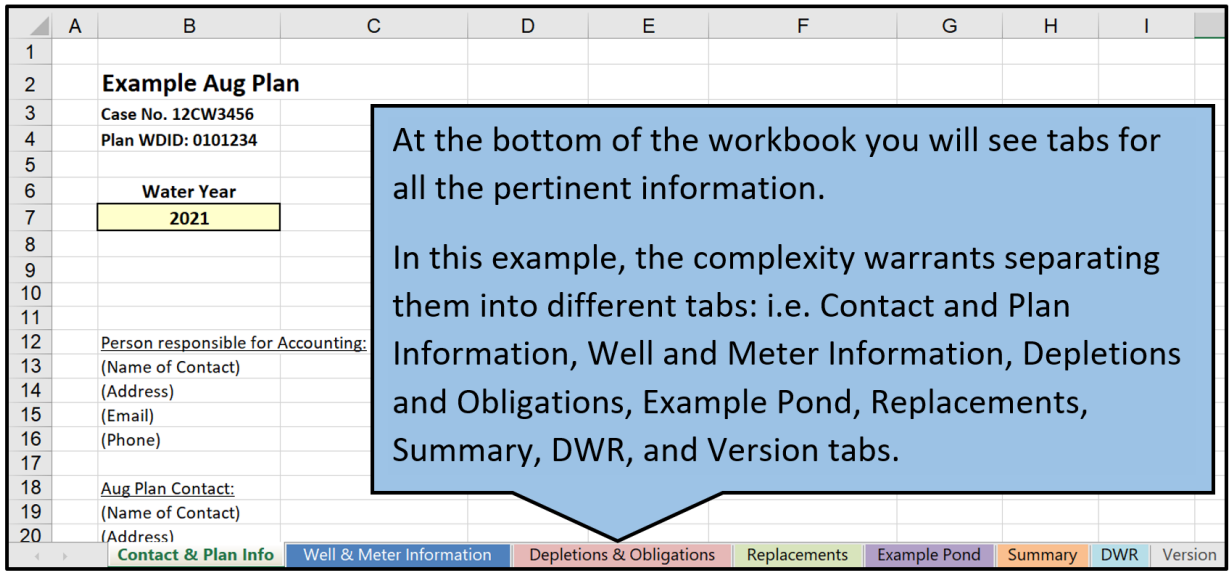
h. When there are multiple stream reaches involved, organize accounting from upstream to downstream.

i. Footnotes should be utilized, as necessary, to describe the basis for formulas, calculations imposed on the raw input data, and column descriptions.

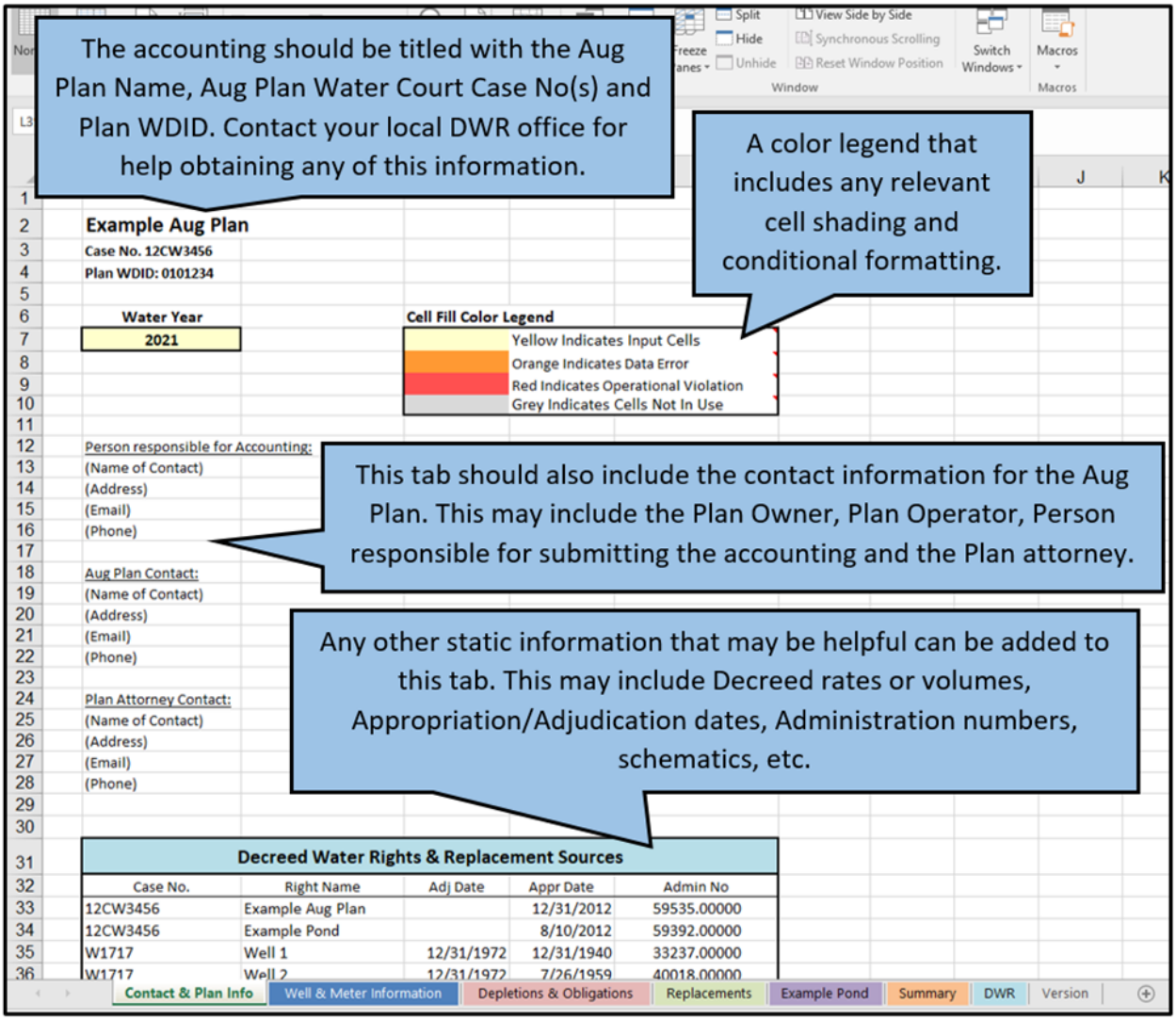
6. Example, Screenshots, and Spreadsheet Templates

Water users may request spreadsheet templates from their local division office for use as examples of how accounting may be assembled, but are responsible for developing their own functional accounting customized for their own Plan requirements. Note that example and actual accounting may have slightly different organization than what is described above.

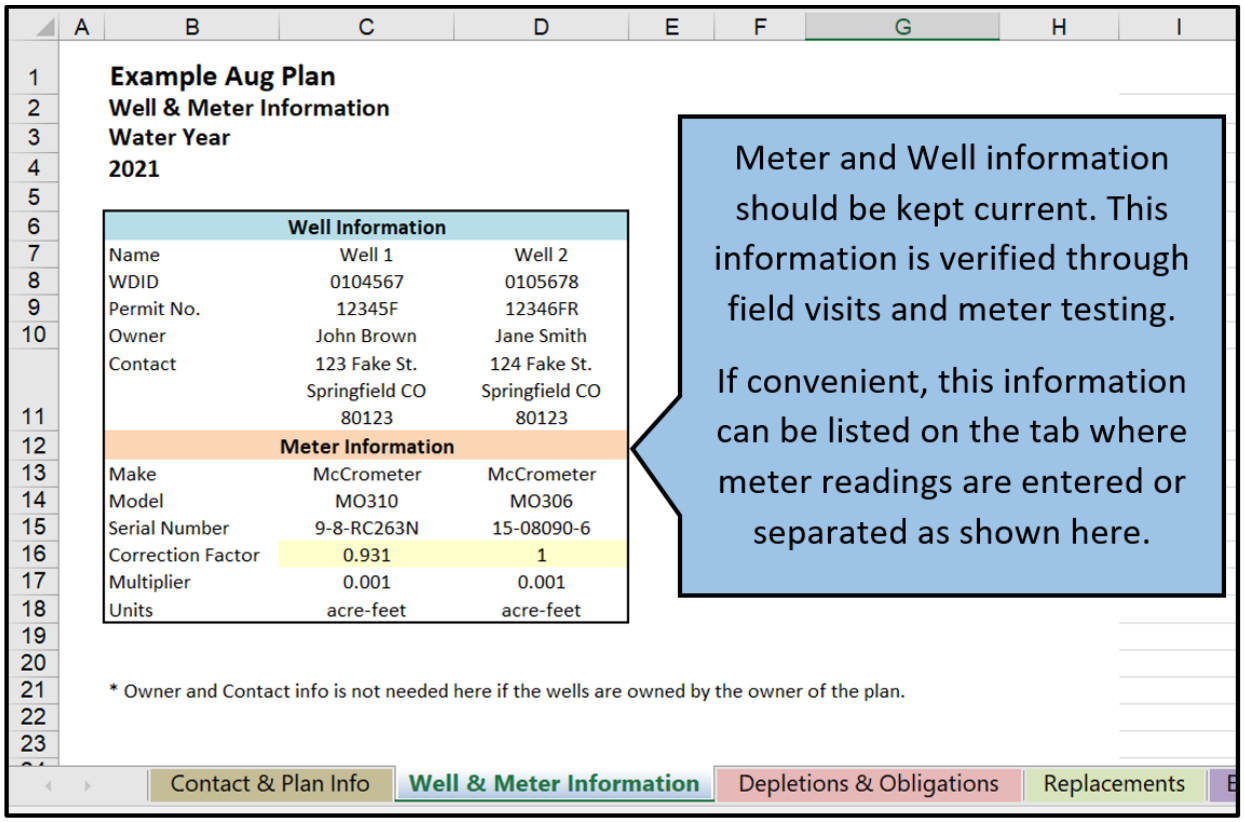
a. (List of relevant tabs)



b. (Contact & Plan Information)



c. (Well & Meter Information)



Example Aug Plan
Well & Meter Information
Water Year
2021

Well Information		
Name	Well 1	Well 2
WDID	0104567	0105678
Permit No.	12345F	12346FR
Owner	John Brown	Jane Smith
Contact	123 Fake St. Springfield CO 80123	124 Fake St. Springfield CO 80123
Meter Information		
Make	McCrometer	McCrometer
Model	MO310	MO306
Serial Number	9-8-RC263N	15-08090-6
Correction Factor	0.931	1
Multiplier	0.001	0.001
Units	acre-feet	acre-feet

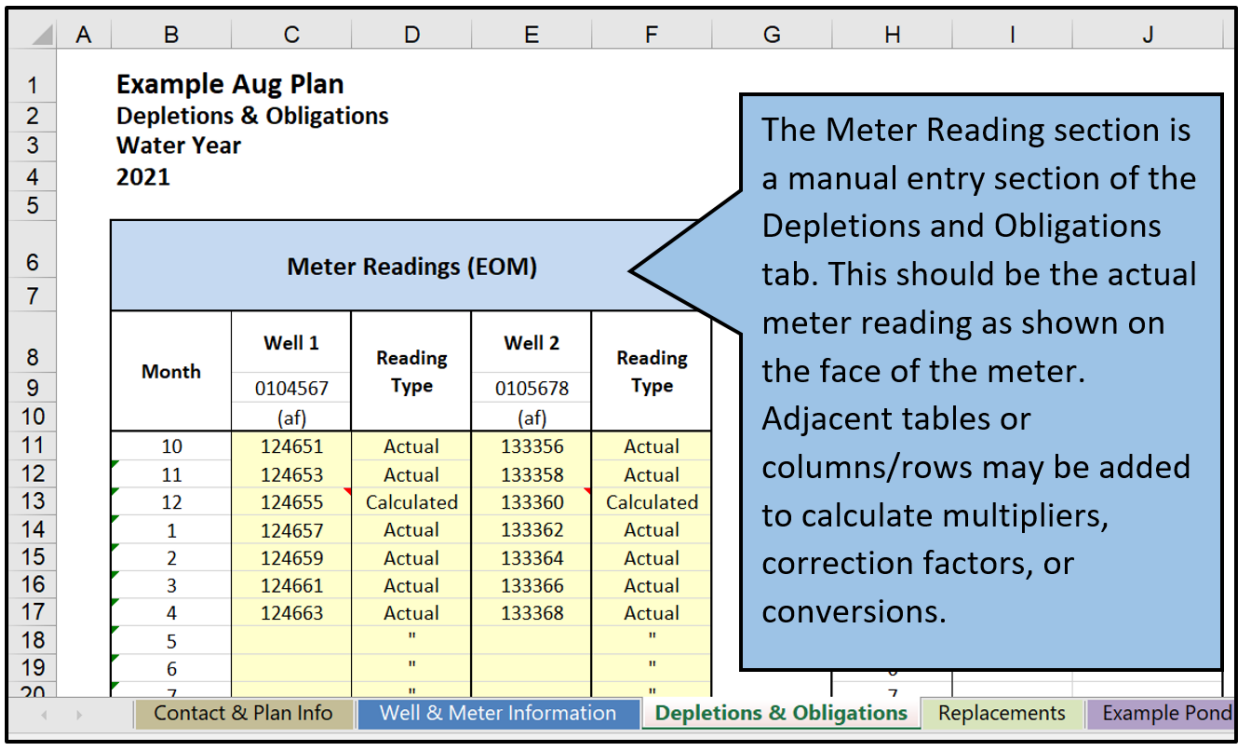
Meter and Well information should be kept current. This information is verified through field visits and meter testing.

If convenient, this information can be listed on the tab where meter readings are entered or separated as shown here.

* Owner and Contact info is not needed here if the wells are owned by the owner of the plan.

Contact & Plan Info | Well & Meter Information | Depletions & Obligations | Replacements

d. (Depletions & Obligations) - in this example, the Depletions & Obligations tab includes cells for entering meter readings, calculating well pumping over the period, and converting that to lagged depetions.



Example Aug Plan
Depletions & Obligations
Water Year
2021

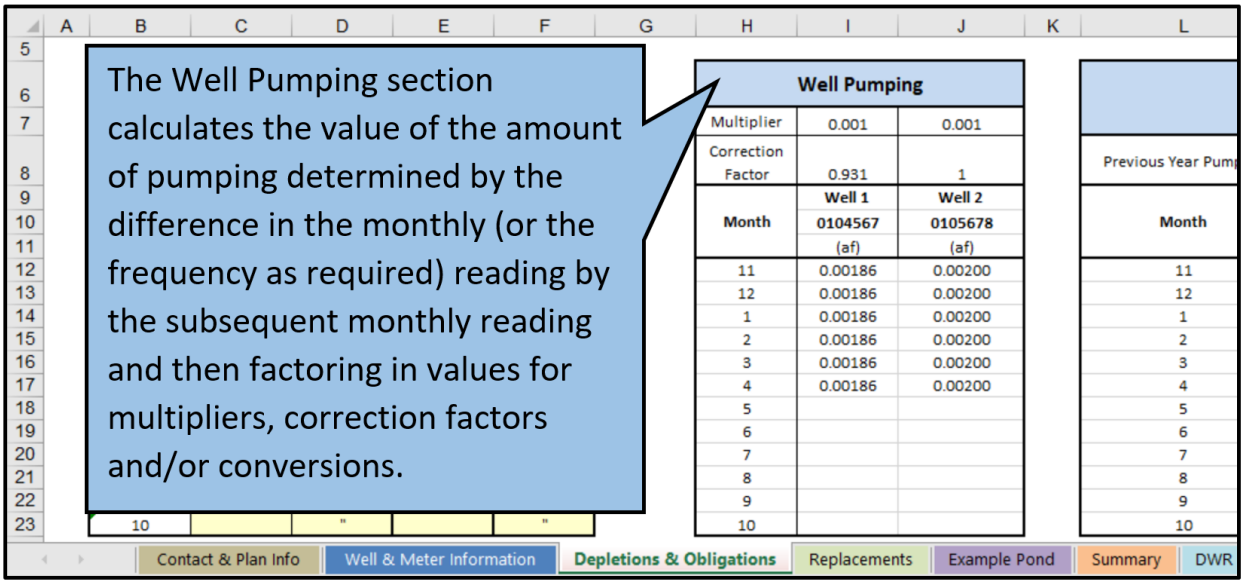
Meter Readings (EOM)

Month	Well 1 0104567 (af)	Reading Type	Well 2 0105678 (af)	Reading Type
10	124651	Actual	133356	Actual
11	124653	Actual	133358	Actual
12	124655	Calculated	133360	Calculated
1	124657	Actual	133362	Actual
2	124659	Actual	133364	Actual
3	124661	Actual	133366	Actual
4	124663	Actual	133368	Actual
5		"		"
6		"		"

The Meter Reading section is a manual entry section of the Depletions and Obligations tab. This should be the actual meter reading as shown on the face of the meter. Adjacent tables or columns/rows may be added to calculate multipliers, correction factors, or conversions.

Contact & Plan Info | Well & Meter Information | Depletions & Obligations | Replacements | Example Pond

e. (Depletions & Obligations)



The Well Pumping section calculates the value of the amount of pumping determined by the difference in the monthly (or the frequency as required) reading by the subsequent monthly reading and then factoring in values for multipliers, correction factors and/or conversions.

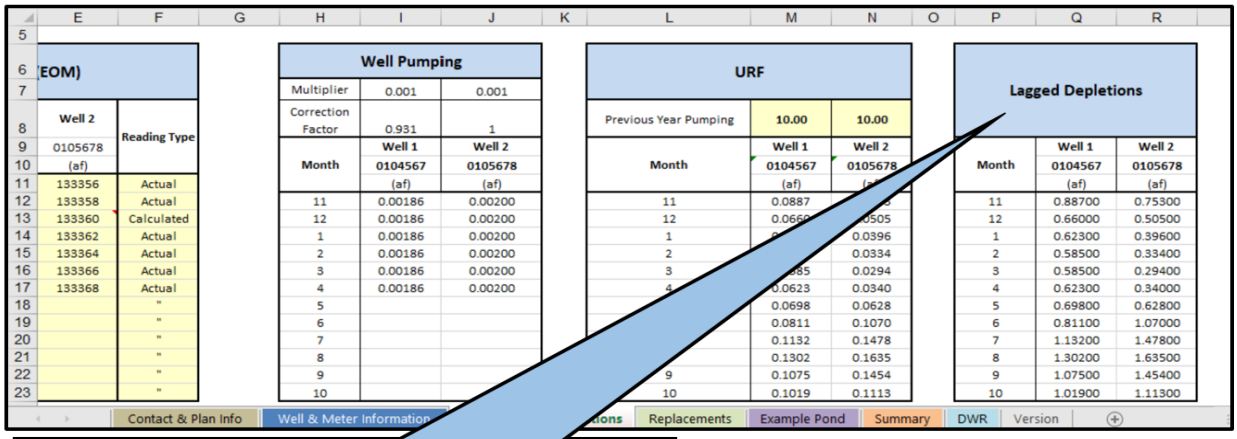
Well Pumping

Multiplier	0.001	0.001
Correction Factor	0.931	1
Month	Well 1 0104567 (af)	Well 2 0105678 (af)
11	0.00186	0.00200
12	0.00186	0.00200
1	0.00186	0.00200
2	0.00186	0.00200
3	0.00186	0.00200
4	0.00186	0.00200
5		
6		
7		
8		
9		
10		

Previous Year Pump
Month
11
12
1
2
3
4
5
6
7
8
9
10

Contact & Plan Info | Well & Meter Information | Depletions & Obligations | Replacements | Example Pond | Summary | DWR

f. (Depletions & Obligations) - calculate lagged depletions for the month



(EOM)	
Well 2 0105678 (af)	Reading Type
133356	Actual
133358	Actual
133360	Calculated
133362	Actual
133364	Actual
133366	Actual
133368	Actual

Well Pumping		
Multiplier	0.001	0.001
Correction Factor	0.931	1
Month	Well 1 0104567 (af)	Well 2 0105678 (af)
11	0.00186	0.00200
12	0.00186	0.00200
1	0.00186	0.00200
2	0.00186	0.00200
3	0.00186	0.00200
4	0.00186	0.00200
5		
6		
7		
8		
9		
10		

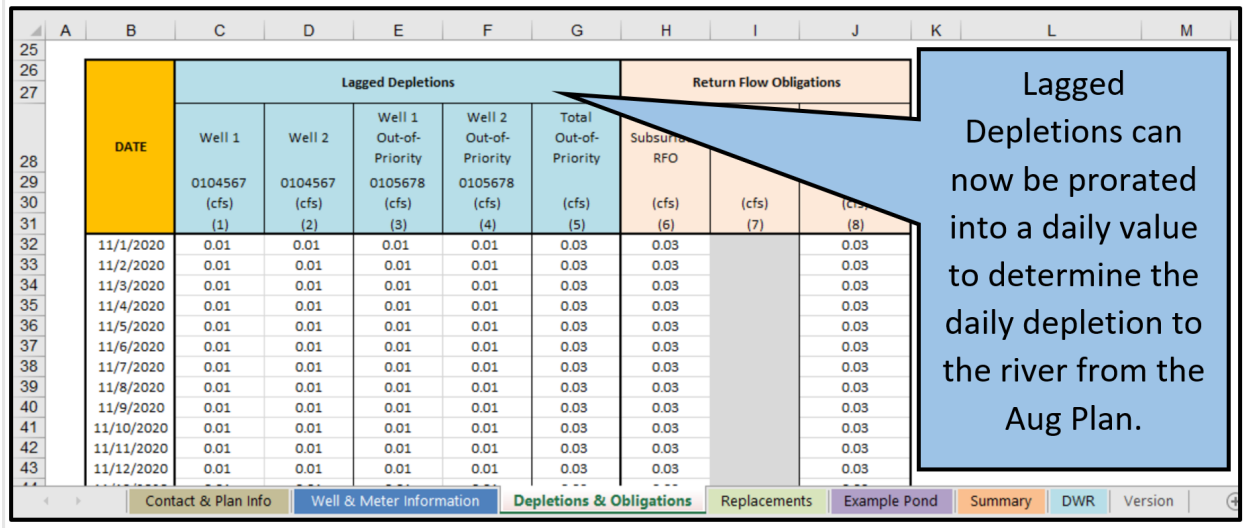
URF		
Previous Year Pumping	10.00	10.00
Month	Well 1 0104567 (af)	Well 2 0105678 (af)
11	0.0887	
12	0.0660	0505
1		0.0396
2		0.0334
3	585	0.0294
4	0.0623	0.0340
	0.0698	0.0628
	0.0811	0.1070
	0.1132	0.1478
	0.1302	0.1635
9	0.1075	0.1454
10	0.1019	0.1113

Lagged Depletions		
Month	Well 1 0104567 (af)	Well 2 0105678 (af)
11	0.88700	0.75300
12	0.66000	0.50500
1	0.62300	0.39600
2	0.58500	0.33400
3	0.58500	0.29400
4	0.62300	0.34000
5	0.69800	0.62800
6	0.81100	1.07000
7	1.13200	1.47800
8	1.30200	1.63500
9	1.07500	1.45400
10	1.01900	1.11300

Contact & Plan Info | Well & Meter Information | ...ions | Replacements | Example Pond | Summary | DWR | Version

Lagged Depletions should be calculated utilizing the Well Pumping data and the lagging method established by the relevant decree or SWSP (Stream depletion Factors or Glover Parameters).

g. (Depletions & Obligations) - convert monthly lagged depletions to daily

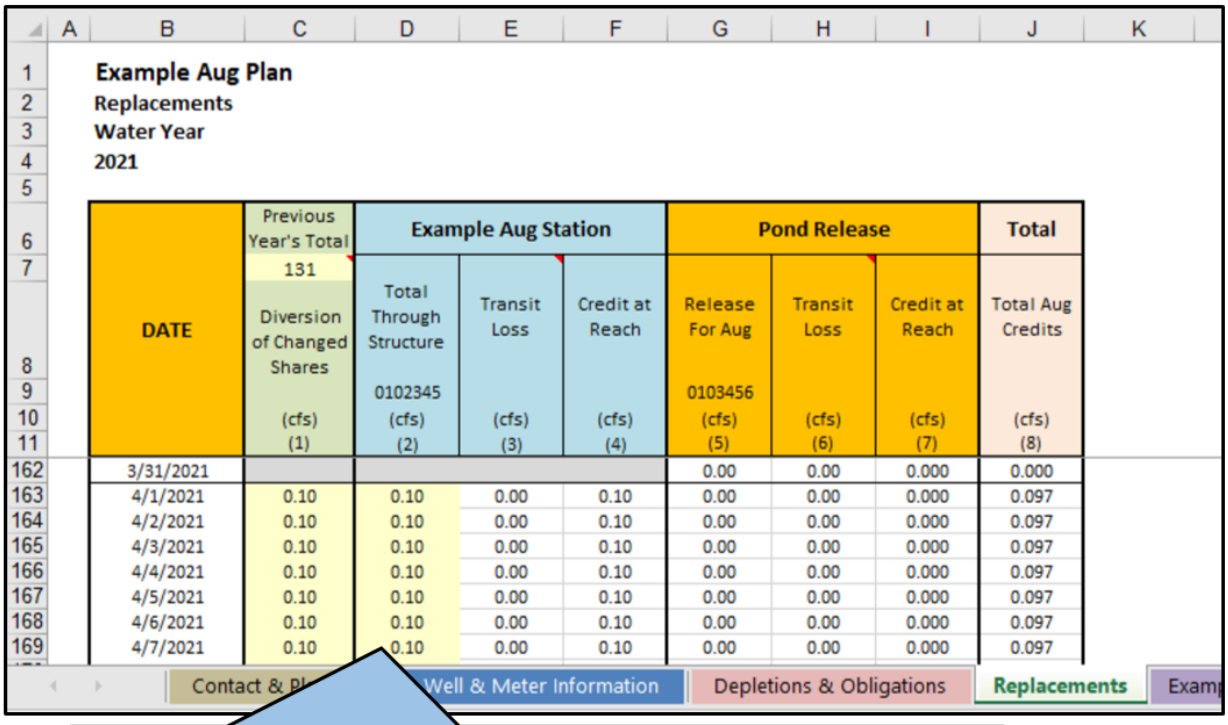


DATE	Lagged Depletions: Well 1 0104567 (cfs) (1)	Well 2 0104567 (cfs) (2)	Well 1 Out-of-Priority 0105678 (cfs) (3)	Well 2 Out-of-Priority 0105678 (cfs) (4)	Total Out-of-Priority (cfs) (5)	Return Flow Obligations: Subsurf... RFO (cfs) (6)	(cfs) (7)	(cfs) (8)
11/1/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/2/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/3/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/4/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/5/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/6/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/7/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/8/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/9/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/10/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/11/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03
11/12/2020	0.01	0.01	0.01	0.01	0.03	0.03		0.03

Contact & Plan Info | Well & Meter Information | Depletions & Obligations | Replacements | Example Pond | Summary | DWR | Version

Lagged Depletions can now be prorated into a daily value to determine the daily depletion to the river from the Aug Plan.

h. (Replacements)



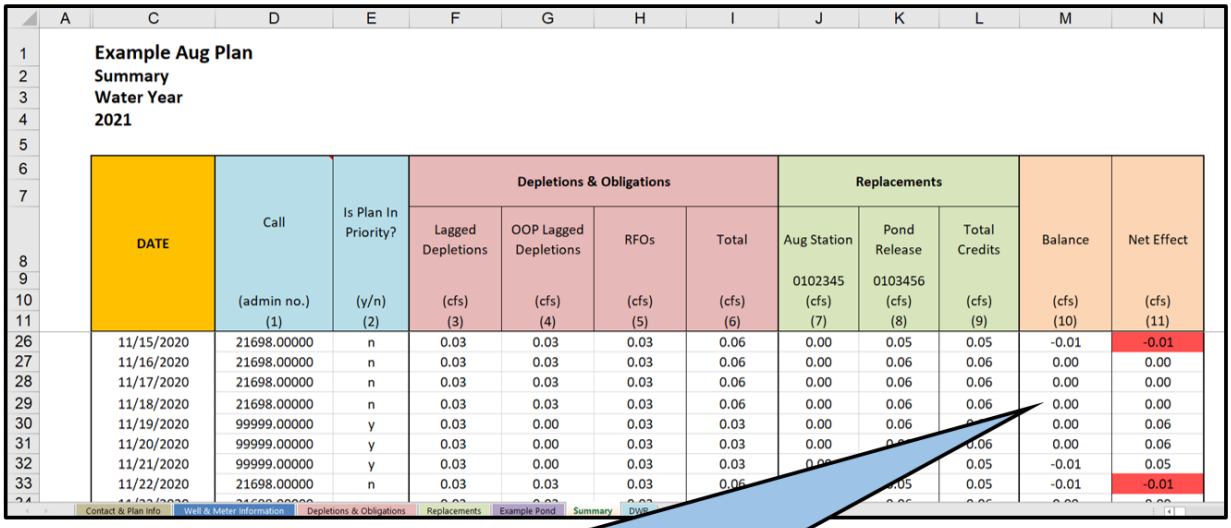
Example Aug Plan
Replacements
Water Year
2021

DATE	Previous Year's Total	Example Aug Station			Pond Release			Total
	131							
	Diversion of Changed Shares	Total Through Structure 0102345	Transit Loss	Credit at Reach	Release For Aug 0103456	Transit Loss	Credit at Reach	Total Aug Credits
	(cfs) (1)	(cfs) (2)	(cfs) (3)	(cfs) (4)	(cfs) (5)	(cfs) (6)	(cfs) (7)	(cfs) (8)
3/31/2021					0.00	0.00	0.000	0.000
4/1/2021	0.10	0.10	0.00	0.10	0.00	0.00	0.000	0.097
4/2/2021	0.10	0.10	0.00	0.10	0.00	0.00	0.000	0.097
4/3/2021	0.10	0.10	0.00	0.10	0.00	0.00	0.000	0.097
4/4/2021	0.10	0.10	0.00	0.10	0.00	0.00	0.000	0.097
4/5/2021	0.10	0.10	0.00	0.10	0.00	0.00	0.000	0.097
4/6/2021	0.10	0.10	0.00	0.10	0.00	0.00	0.000	0.097
4/7/2021	0.10	0.10	0.00	0.10	0.00	0.00	0.000	0.097

Contact & Pl... | Well & Meter Information | Depletions & Obligations | Replacements | Exam...

Input information should be shaded differently than the calculated (cells with formulas) cells. Please provide a legend with the color/shading scheme.

i. (Summary) - daily



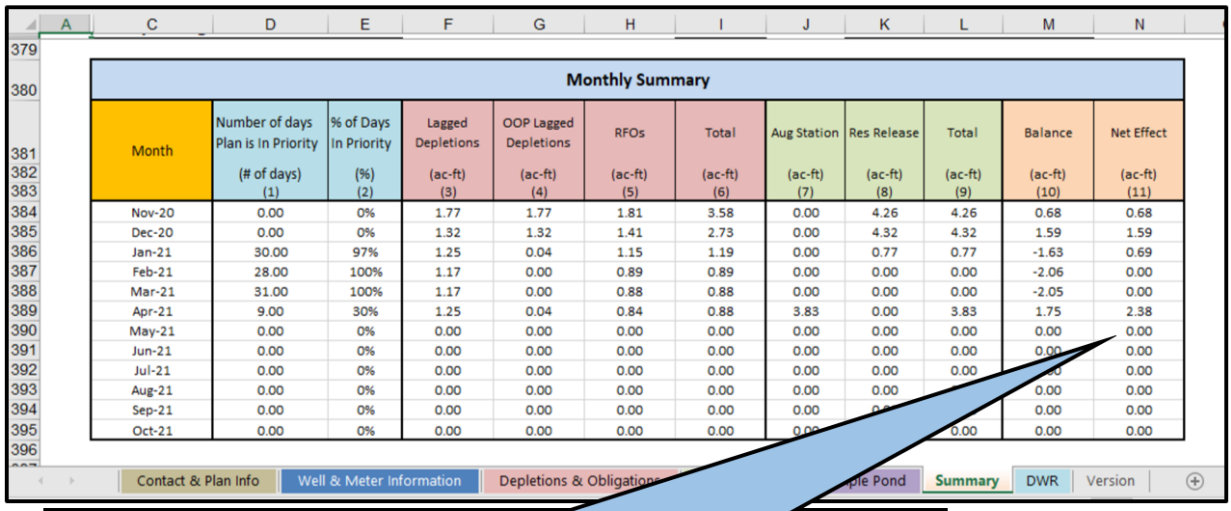
Example Aug Plan
Summary
Water Year
2021

DATE	Call (admin no.) (1)	Is Plan In Priority? (y/n) (2)	Depletions & Obligations: Lagged Depletions (cfs) (3)	Depletions & Obligations: OOP Lagged Depletions (cfs) (4)	Depletions & Obligations: RFOs (cfs) (5)	Depletions & Obligations: Total (cfs) (6)	Replacements: Aug Station 0102345 (cfs) (7)	Replacements: Pond Release 0103456 (cfs) (8)	Replacements: Total Credits (cfs) (9)	Balance (cfs) (10)	Net Effect (cfs) (11)
11/15/2020	21698.00000	n	0.03	0.03	0.03	0.06	0.00	0.05	0.05	-0.01	-0.01
11/16/2020	21698.00000	n	0.03	0.03	0.03	0.06	0.00	0.06	0.06	0.00	0.00
11/17/2020	21698.00000	n	0.03	0.03	0.03	0.06	0.00	0.06	0.06	0.00	0.00
11/18/2020	21698.00000	n	0.03	0.03	0.03	0.06	0.00	0.06	0.06	0.00	0.00
11/19/2020	99999.00000	y	0.03	0.00	0.03	0.03	0.00	0.06	[illegible]	0.00	0.06
11/20/2020	99999.00000	y	0.03	0.00	0.03	0.03	0.00	[illegible]	0.06	0.00	0.06
11/21/2020	99999.00000	y	0.03	0.00	0.03	0.03	[illegible]	[illegible]	0.05	-0.01	0.05
11/22/2020	21698.00000	n	0.03	0.03	0.03	0.06	[illegible]	[illegible]	0.05	-0.01	-0.01

Contact & Plan Info | Well & Meter Information | Depletions & Obligations | Replacements | Example Pond | Summary | DWR

The Balance column is the balance of Replacements and actual Depletions/Obligations regardless of whether the plan is in or out of priority. It is calculated by subtracting Depletions and Obligations from Replacements.

j. (Summary) - a monthly summary table may be added at the bottom of the Summary tab below the daily summary



Monthly Summary

Month	Number of days Plan is In Priority (# of days) (1)	% of Days In Priority (%) (2)	Lagged Depletions (ac-ft) (3)	OOP Lagged Depletions (ac-ft) (4)	RFOs (ac-ft) (5)	Total (ac-ft) (6)	Aug Station (ac-ft) (7)	Res Release (ac-ft) (8)	Total (ac-ft) (9)	Balance (ac-ft) (10)	Net Effect (ac-ft) (11)
Nov-20	0.00	0%	1.77	1.77	1.81	3.58	0.00	4.26	4.26	0.68	0.68
Dec-20	0.00	0%	1.32	1.32	1.41	2.73	0.00	4.32	4.32	1.59	1.59
Jan-21	30.00	97%	1.25	0.04	1.15	1.19	0.00	0.77	0.77	-1.63	0.69
Feb-21	28.00	100%	1.17	0.00	0.89	0.89	0.00	0.00	0.00	-2.06	0.00
Mar-21	31.00	100%	1.17	0.00	0.88	0.88	0.00	0.00	0.00	-2.05	0.00
Apr-21	9.00	30%	1.25	0.04	0.84	0.88	3.83	0.00	3.83	1.75	2.38
May-21	0.00	0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun-21	0.00	0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jul-21	0.00	0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[illegible]	0.00
Aug-21	0.00	0%	0.00	0.00	0.00	0.00	0.00	0.00	[illegible]	0.00	0.00
Sep-21	0.00	0%	0.00	0.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00
Oct-21	0.00	0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.00

Contact & Plan Info | Well & Meter Information | Depletions & Obligations | [illegible]ple Pond | Summary | DWR | Version

Net Effect is the Balance or Net Impact value with the priority of the plan included. Plans considered in priority may not be required to replace depletions. This column represents whether the Aug plan shows injury to the river or has sufficiently replaced its uses.