



## Response to Reclamation Permit Application Consideration

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DATE: March 14, 2024

TO: Brock F. Bowles, Division of Reclamation, Mining & Safety (DRMS), [brock.bowles@state.co.us](mailto:brock.bowles@state.co.us)

CC: Alec Hernandez, Division 1 Office, Lead District 2 Water Commissioner, [alec.hernandez@state.co.us](mailto:alec.hernandez@state.co.us)

FROM: Wenli Dickinson, P.E., State Engineer's Office (SEO), [wenli.dickinson@state.co.us](mailto:wenli.dickinson@state.co.us)

RE: **NCCI Pit #1 Acreage Release Request, M-2001-107**

Applicant: Northern Colorado Constructors, Inc. Aggregate Div  
9075 WCR 10, Fort Lupton, CO 80621  
(303) 857-1754

Contact: J & T Consulting Inc.  
J. C. York, P.E.  
(303) 857-6222

Location: Section 24, Township 2 North, Range 67 West, 6<sup>th</sup> P.M., Weld County

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**COMMENTS:** The subject application is for an acreage release of 118.12 acres at the NCCI Pit #1 water storage cell since mining is complete and a clay liner was approved for the pit by the Division of Water Resources (DWR) on November 30, 2023. In addition, the subject application is requesting a surety (bond) reduction for the clay liner and the northern cell which was completed and backfilled. The pit is to be reclaimed as a water storage reservoir.

Lagged depletions which occur to the South Platte River from past water consumption associated with mining activities at this site are covered by the NCCI Pit #1 Substitute Water Supply Plan (SWSP), Plan ID 3670, approved for the period of January 1, 2024 through December 31, 2024. This 2024 SWSP covers lagged depletions from past mining activities which affect the stream during 2024. The attached table shows the lagged depletions in 2024, 2025, and 2026 based on modeling provided by the Applicant and the replacement water from the City of Thornton. The lagged depletions exceed the replacement water provided by the City of Thornton as approved in the 2024 SWSP. **This office does not recommend approval of the Applicant's request for acreage release and bond reduction until they have obtained an SWSP to replace all lagged remaining depletions which will occur in 2025 and 2026.**

Water shall not be impounded in the reservoir except pursuant to lawful diversions allowed by statute or decree. At all other times, all inflow of water into the reservoir from any source, including precipitation and groundwater inflows, shall be removed by the Applicant.

The Applicant may contact DWR at (303) 866-3581 with any questions.



**NCCI Pit #1: Depletions vs. Replacements under 2024 SWSP (acre-feet)**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2024 Lagged Depletions	24.40	16.97	13.49	9.65	7.38	5.28	4.03	2.97	2.12	1.62	1.16	0.89	89.96
2025 Lagged Depletions	0.65	0.44	0.36	0.26	0.20	0.14	0.11	0.08	0.06	0.04	0.03	0.02	2.39
2026 Lagged Depletions	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
Wrapped Depletions	25.07	17.42	13.86	9.92	7.59	5.42	4.14	3.05	2.18	1.66	1.19	0.91	92.41
2024 City of Thornton Lease	28.40	19.80	15.70	11.20	8.60	6.10	4.70	3.50	2.50	1.90	1.40	3.90	107.70
Transit Losses (14%)	3.98	2.77	2.20	1.57	1.20	0.85	0.66	0.49	0.35	0.27	0.20	0.55	15.08
2024 Total Replacement Water	24.42	17.03	13.50	9.63	7.40	5.25	4.04	3.01	2.15	1.63	1.20	3.35	92.62
Net Effect on River	-0.65	-0.39	-0.36	-0.29	-0.19	-0.17	-0.10	-0.04	-0.03	-0.03	0.01	2.44	0.21