



11/17/2023

Letter Report

Stacy Wasinger
City of Commerce City
7887 E. 60th Avenue
Commerce City, CO 80022

Subject: Traffic Generation Comparison letter

Dear Stacy:

At the request of Commerce City, Brown and Caldwell reviewed the current truck operations at the Klein Water Treatment Facility (WTF) in comparison to the project increase in truck operations once the new ion exchange (IX) facility is constructed and operational.

Currently there are 22 individuals working at the Klein/EWSF facility. The new IX facility is anticipated to require an additional 3 full time employees (FTEs) to operate and maintain the facility. Therefore, there would be a total of 25 individuals working out of the Klein water treatment campus when the new IX facility is constructed.

The addition of the new IX facility will not greatly increase number of vehicles and deliveries. There may be an addition of 3 more employee vehicles in the parking lot, and the number of deliveries of water treatment chemicals and supplies may increase slightly (potentially 1 more chemical delivery per month). Deliveries vary seasonally with the demand for treated water increasing during the summer. Currently, deliveries are approximately 3 deliveries per day, 5 days per week, during the May – August and 3 deliveries per week from September through April. Deliveries can be summarized in the table below:

	Days or weeks per month (approximately)	Current Operations	Revised Operations (with new facility online, 1 more delivery per month)
Deliveries Total May – August (3 deliveries/day, 5 days/week)	May: 31 days * 5/7 = 22 days	22 days * 3 deliveries/day = 66 deliveries	22 days * 3 deliveries/day + 1 delivery/month = 67 deliveries
	June: 30 days * 5/7 = 21 days	21 days * 3 deliveries/day = 63 deliveries	21 days * 3 deliveries/day + 1 delivery/month = 64 deliveries

	July: 31 days * 5/7 = 22 days	22 days * 3 deliveries/day = 66 deliveries	22 days * 3 deliveries/day + 1 delivery/month = 67 deliveries
	August: 31 days * 5/7 = 22 days	22 days * 3 deliveries/day = 66 deliveries	22 days * 3 deliveries/day + 1 delivery/month = 67 deliveries
Deliveries Total September - April (3 deliveries/week)	September: 4 weeks	4 weeks * 3 deliveries/week = 12 deliveries	4 weeks * 3 deliveries/week + 1 delivery/month = 13 deliveries
	October: 4.5 weeks	4.5 weeks * 3 deliveries/week = 13.5 deliveries	4.5 weeks * 3 deliveries/week + 1 delivery/month = 14.5 deliveries
	November: 5 weeks	5 weeks * 3 deliveries/week = 15 deliveries	5 weeks * 3 deliveries/week + 1 delivery/month = 16 deliveries
	December: 4 weeks	4 weeks * 3 deliveries/week = 12 deliveries	4 weeks * 3 deliveries/week + 1 delivery/month = 13 deliveries
	January: 4.5 weeks	4.5 weeks * 3 deliveries/week = 13.5 deliveries	4.5 weeks * 3 deliveries/week + 1 delivery/month = 14.5 deliveries
	February: 4 weeks	4 weeks * 3 deliveries/week = 12 deliveries	4 weeks * 3 deliveries/week + 1 delivery/month = 13 deliveries
	March: 4 weeks	4 weeks * 3 deliveries/week = 12 deliveries	4 weeks * 3 deliveries/week + 1 delivery/month = 13 deliveries
	April: 4 weeks	4 weeks * 3 deliveries/week = 12 deliveries	4 weeks * 3 deliveries/week + 1 delivery/month = 13 deliveries
	Total	363	375

Current operations result in a total of approximately 363 deliveries per year, and revised operations anticipates approximately 375 deliveries per year. This is an approximate increase of about 3% per year.

Please let us know if you have any questions or comments related to this evaluation.

Very truly yours,

Brown and Caldwell

Samantha Kepley

A handwritten signature in cursive script, reading "Samantha Kepley", written in black ink on a light gray background.