Table 1 – Total Construction-Related Fuel Consumption

Well 152 Project

Fuel	Consumption	
Diesel		
On-Road Construction Trips[1]	1,989	Gallons
Off-Road Construction Equipment[2]	56,343	Gallons
Diesel Total	**58,333**	**Gallons**
Gasoline		
On-Road Construction Trips[1]	3,642	Gallons
Off-Road Construction Equipment[3]	-	Gallons
Gasoline Total	**3,642**	**Gallons**

Notes:

1. On-road mobile source fuel use based on vehicle miles traveled (VMT) from CalEEMod for construction in 2026 and fleet-average fuel consumption in gallons per mile from EMFAC2021 web based data for San Bernardino (South Coast). See Table 2 for calculation details.
2. Off-road mobile source fuel usage based on a fuel usage rate of 0.05 gallons of diesel per horsepower (HP)-hour, based on SCAQMD CEQA Air Quality Handbook, Table A9-3E.
3. All emissions from off-road construction equipment were assumed to be diesel.

Table 2 – On-Road Construction Trip Estimates

Well 152 Project

Trip Type	Trips	Trip length	Vehicle Miles Traveled (VMT)	Fuel Efficiency	Annual Fuel Usage[1]	
	(trips)	(miles)	(miles)	(mpg)	(Fuel)	(gallon)
Worker[2,3]	5,250	18.5	97,125	27.3	Gasoline	3,642
Vendor[4]	1,429	10.2	14,576	7.6	Diesel	1,989
Hauling[5]	0	20	0	6.2	Diesel	0

Notes:

1. On-road mobile source fuel use based on vehicle miles traveled (VMT) from CalEEMod (See Air Quality/GHG Memo) for construction and fleet-average fuel consumption in gallons per mile from EMFAC2021 web based data for 2026 in San Bernadino (South Coast).
2. Worker trips were assumed to be 100% gasoline powered vehicles.
3. Per CalEEMod, worker Trips were assumed to be 25% LDA, 50% LDT1, and 25% LDT2.
4. Vendor trips were assumed to be 50% MHDT and 50% HHDT, split evenly between the MHDT and HHDT construction categories.
5. Per CalEEMod, hauling trips were assumed to be 100% HHDT.