



# SUSQUEHANNA RIVER BASIN COMMISSION

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## Groundwater Withdrawal Application Summary

**Source Name:** CDCC Well #2

**SRBC Pending No.:** 2022-068

This summary is only a portion of the application materials and is meant to provide general information about the proposed project.

### 1.1 Project Sponsor

Company Name: CAN DO, Inc. - Humboldt Industrial Park  
Mailing Address Line 1: 1 South Church Street  
Mailing Address Line 2: Suite 200  
City: Hazleton  
State: PA  
ZIP Code: 18201

#### Contact Person:

First Name: Raiana  
Last Name: Nichols  
Title: Assistant Director of Operations  
Telephone: 5704551508  
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Mobile:  
**E-mail:** [rnichols@hazletoncando.com](mailto:rnichols@hazletoncando.com)

### 1.3 Existing and Projected Facility Water Use

The usage should be entered in million gallons per day (mgd) and rounded off to the nearest one thousand gallons (three decimal places).

Projected Design Year:  
2037

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.066	0.198
Maximum Daily Water Demand :	0.226	0.678
System Capacity :	0.5	0.5

### 1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 5  
Maximum Instantaneous Withdrawal Rate (gpm): 200  
Maximum 24-Hour Day (mgd): 0.288  
Maximum 30-Day Average (mgd): 0.288

### 2.2 Facility Location

Please enter the address of the parcel where the Project Facility is located.

Street Address: 266 N Old Turnpike Road

State: PA

County: Luzerne

Municipality: Butler Township

Zip Code: 18222

Subbasin: Middle Susquehanna

## **CAN DO, Inc. Corporate Center**

### **Well #2 Groundwater Withdrawal Application**

#### **2.1 Facility Description**

CAN DO, Inc., (CAN DO) owns and operates a public groundwater supply system in the CAN DO Corporate Center (CDCC) industrial park located near Drums, Pennsylvania. This system supplies water to their Corporate Center and current businesses located in the industrial park. The CDCC also supplies water to the Sand Springs Community located to the north and across Interstate 81 from the CDCC (Figure 1).

The CDCC water supply system is fed by one permitted groundwater supply well, PW-1 (Well #1). Well #1 was originally drilled in 1995 and constructed in accordance with PADEP Public Water Supply regulations. That same year, a 48-hour pumping test was completed which led to PW-1 being permitted as a 0.2 mgd, non-community water supply. In 2008, Well #1 was retested to increase the permitted withdrawal rate to 0.547 gpm and to re-permit the well as community water supply. Currently, Well #1 is approved by the Susquehanna River Basin Commission (SRBC) for a groundwater withdrawal (30-day average) of 0.547 million gallons per day (mgd)(Docket No. 20090309) and is constructed and permitted as a public water supply well in accordance with the Pennsylvania Department of Environmental Protection (PADEP's) public water supply regulations. CAN DO hired Meiser and Earl, Inc. (M&E) to provide consulting services to assist in testing and permitting their new well, Well #2, as a partial redundant source to address concerns of CDCC's reliance on a single ground-water supply source.

Well #2 is located approximately 300 feet west of Old Turnpike Road. From the Interstate 80/Route 309 intersection, drive south on PA-309 approximately 0.1 mile, take a slight right onto Corporate Drive, drive on Corporate Drive for approximately 0.7 miles to a left turn onto Hillside Drive. Continue on Hillside Drive approximately 0.6 mile and then turn left onto Corporate Drive. Drive approximately 0.1 mile on Corporate Drive to Old Turnpike Road, turn left, drive approximately 1800 feet and turn right into a stone lane. The well is approximately 300 feet down the lane from Old Turnpike Road. The well coordinates are 41.041125, -75.978509. The address of operation is 266 N Turnpike Road, Drums, PA 18222.

## **Project Demand**

The CDCC currently has a groundwater withdrawal approval of 0.547 mgd from Well #1 from the SRBC. Well #2 will provide partial redundancy in the CDCC water system; as such, the overall groundwater quantity withdrawn from the combination of Wells #1 and #2 will remain 0.547 mgd. The future water need will depend on the growth of the CDCC; pumpage above 0.547 mgd will require re-docketing through the SRBC. The CDCC supplies water to the Sand Springs community, as needed, and receives requests from nearby developments about the possibility of interconnecting or being supplied by the CDCC water system. Currently, there is 500,000 gallons of water storage at CDCC. Wastewater from the CDCC goes into the Butler Township Wastewater Facility system, which discharges into the Nescopeck Creek slightly upstream of where Interstate 81 crosses Nescopeck Creek, approximately 2 miles southwest of Well #2.

The 2021 maximum 30-day average water demand is 0.066 mgd, with a 15-year projected maximum 30-day average water demand of 0.198 mgd. The maximum 2021 daily water demand is 0.226 mgd, with a projected maximum daily demand of 0.678 mgd. The total system capacity is 0.500 million gallons, with a projected 15-year capacity of 0.500 million gallons.

## **Well #2 Aquifer Test**

CDCC plans to docket Well #2 as a partially redundant groundwater source in combination with CDCC's Well #1 for a groundwater withdrawal (30-day average) of 0.547 mgd. To initiate the docketing process, *Meiser & Earl, Inc.* (M&E) prepared an Application for Aquifer Test Plan Approval, which was submitted to the SRBC on January 25, 2018. The SRBC conditionally approved the Aquifer Test Plan (ATP) in a correspondence dated April 12, 2019.

In the ATP, a 72-hour pumping test was proposed for Well #2 at a constant rate of 200 gpm (0.288 mgd). A 73-hour, 200 gpm constant-rate pumping test was conducted on August 15-18, 2020, after supplemental emails and discussions with the SRBC prior to the start of pumping. The following hydrogeologic report presents the results of this aquifer test.