

**EXAMPLE**

**CONTINGENCY PLAN FOR WELL 20  
Abner Water Authority  
Town of Abner, Doubleday County, New York  
Date Submitted: October 2, 2023**

**I. Purpose**

The purpose of this Contingency Plan (Plan) is to describe normal and emergency operations for Well 20 of the Abner Water Authority (Authority) system. The Plan has been developed to explain how the Authority will operate and the conditions necessitating operation of Well 20 at a higher 30-day average withdrawal rate under GP-02. Well 20 is approved by the Susquehanna River Basin Commission (Commission) for use under Docket No. 19000101.

**II. General Description of Project Facilities**

The Authority owns and operates a water distribution system and wastewater treatment plant located in the Town of Abner, Doubleday County, New York. The water system consists of two wells (Well 10 and Well 20), with Well 10 serving as the primary source and Well 20 as an alternate source.

The wells pump directly into the distribution system, and one 0.250 million gallon water standpipe is used for storage. An existing supervisory control and data acquisition (SCADA) system controls the pumping operation in both wells. Each well is equipped with a submersible pump and an individual flow meter.

The location of Well 20 is depicted on the map provided as Attachment 1, and a current system map is included as Attachment 2.

**III. Typical System Operations**

Docket No. 19000101 authorizes operation of the wells at the following rates:

1. Well 10 – 0.173 million gallons per day (mgd) (30-day average) and a maximum instantaneous withdrawal rate (MIWR) of 120 gallons per minute (gpm); and
2. Well 20 – 0.144 mgd (30-day average) and MIWR of 150 gpm.

The Authority system 30-day average demand is approximately 0.150 mgd and under normal system operating conditions, system demand is satisfied by using only Well 10. However, when maintenance is needed for Well 10, or when a water level protective shutoff switch is triggered in Well 10 (typically during dry conditions), additional capacity may temporarily be needed from Well 20. Well 20 was approved by the state for withdrawals at 150 gpm (0.216 mgd); however, the Commission approved a MIWR of 150 gpm and a 30-day average withdrawal of 0.144 mgd based on the aquifer test data submitted with the application. Well 20 can operate for short periods at the higher state-approved MIWR rate without significant adverse impacts to help the Authority meet its system demand.

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### **IV. Emergency Operations**

The following sections detail the criteria that will constitute the operation of Well 20 at the emergency increased 30-day average of 0.216 mgd (30-day average).

1. **Conditions for Operation of Well 20 at Emergency MIWR Resulting in Higher 30-Day Average** – Emergency operations will be implemented in the event that any of the following emergency conditions exist:
  - a. The Well 10 pump or storage tanks will be out of service for more than 24 hours; or
  - b. Dry or drought conditions require the use of Well 20 to meet system demand due to activation of a protective low level shutoff switch in Well 10.
2. **Duration and Extent Acceptable for Emergency Operations** – Well 20 will be operated for no longer than 60 consecutive days, or until the reasons for operating Well 20 are resolved, whichever is less.

### **V. Metering**

The Well 20 meter specifications remain consistent with the details provided in the previously approved project metering plan under Docket No. 19000101, and flow data will be collected consistent with the Plan.

### **VI. Potential Adverse Impacts**

Due to its proximity to Well 10, and its proposed similar withdrawal rate (0.173 mgd), if Well 20 is temporarily used at the higher rate in place of Well 10, no adverse impacts are expected. Well 20 is not located within 500 feet of an exceptional quality waterway.

### **VII. Notification Procedures**

The Authority and/or operator of the water treatment plant will be responsible for notifications to the Commission for operation of Well 20 at the emergency MIWR per the conditions detailed above. Once emergency activities are initiated, the Commission will be notified within 48 hours of implementing use of Well 20 at the higher MIWR. The Authority and/or operator of the water treatment plant will notify the Commission via telephone (or other appropriate method) of the planned emergency operation implementation schedule and anticipated duration. The Authority will inform the following individual upon activating the emergency MIWR:

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Manager, Compliance & Enforcement  
Susquehanna River Basin Commission  
4423 North Front Street  
Harrisburg, PA 17110-1788  
Telephone: (717) 238-0423  
E-mail: [compliance@srbc.net](mailto:compliance@srbc.net)

Within 48 hours of completing the emergency activities, the Authority will send an e-mail regarding a “Notice of End of Operations” to the Commission and will provide the required operations data. Contact information for the Commission (telephone and address) will be included in the Operating Manual for the water treatment plant, along with notification instructions. Example notice language is included below:

Attn: Manager, Compliance & Enforcement

On [DATE], the Authority notified the Commission that it was initiating operation of Well 20 at the emergency higher 30-day average rate per the conditions of the authorization to operate under GP-02 and the approved Contingency Plan. The emergency conditions ended on [DATE] and the Authority has resumed normal operating conditions for Well 20. Daily withdrawal and water level data collected during the emergency situation is attached to this e-mail and will be reported on the MDW. The Authority understands that normal operation of Well 20 will continue in accordance with the terms and conditions of Docket No. 19000101 and any future use under the GP-02 authorization must be reported within 48 hours.

Attachments: Attachment 1: Well 20 Location Map  
Attachment 2: Water System Map – Sources and Storage

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**Attachment 1: Well 20 Location Map**

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**Attachment 2: Water System Map – Sources and Storage**

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