



Application Type
Facility Type
Major / Minor

Renewal
Industrial
Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL INDUSTRIAL WASTE (IW)
AND IW STORMWATER**

Application No. PA0275794
APS ID 875892
Authorization ID 1337478

Applicant and Facility Information

Applicant Name	<u>Blue Triton Brands, Inc.</u>	Facility Name	<u>Greenwaltz Springs</u>
Applicant Address	<u>305 Nestle Way</u>	Facility Address	<u>American Bangor Road</u>
Applicant Contact	<u>Breinigsville, PA 18031-1422</u>	Facility Contact	<u>Bangor, PA 18013</u>
Applicant Phone	<u>Eric Andreus</u>	Facility Phone	<u>(484) 866-4478</u>
Client ID	<u>(484) 866-4478</u>	Site ID	<u>274192</u>
SIC Code	<u>4941</u>	Municipality	<u>Washington Township</u>
SIC Description	<u>Trans. & Utilities - Water Supply</u>	County	<u>Northampton</u>
Date Application Received	<u>December 22, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 22, 2020</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of NPDES permit.</u>		

Summary of Review

Blue Triton Brands operates the Greenwaltz Springs water bottling facility and is requesting renewal of an NPDES permit to discharge up to 0.377 MGD of groundwater into Greenwalk Creek, a cold water & migratory fish (CWF, MF) designated receiving stream in state water plan basin 01-F (Jacoby – Bushkill Creeks). As per the Department's current existing use list, the receiving stream doesn't have an existing use classification that is more protective than its designated use.

Background

During routine monitoring of groundwater at onsite monitoring wells, Nestlé (the previous permittee) discovered elevated concentrations of Total Dissolved Solids (TDS), Sulfate and Calcium in the natural springs which are the source of water for the operation. The dissolved minerals were traced back to an upgradient slate quarry reclamation activity. Apparently, the material that was used to backfill the abandoned, water-filled quarry ultimately leached relatively high levels of sulfate, calcium and magnesium salts causing the TDS problem in the quarry water.

The quarry backfilling operation was suspended at the direction of the Department in June 2013, but groundwater containing elevated TDS levels continues to flow into and through a sand and gravel aquifer toward Greenwaltz Springs' water source. In an effort to mitigate the high TDS levels, the previous permittee decided to drill a new well to intercept the groundwater flowing from the quarry and discharge it directly to Greenwalk Creek. Approval of a temporary discharge of groundwater for a duration of 6 months was previously granted by the Department on January 13, 2014, and then extended for another 6 months on July 13, 2014. The withdrawal and subsequent stream discharge of groundwater from the aquifer upgradient of the water sources has been effective in removing additional dissolved solids from the water supply source. Water pumped from the interception well is not treated since it contains the same dissolved constituents that are present in the groundwater and currently discharge to Greenwalk Creek from onsite springs. The original NPDES permit approving the discharge was issued on June 2, 2016.

Approve	Deny	Signatures	Date
X		 Brian Burden, E.I.T. / Project Manager	October 10, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Program Manager	October 16, 2024

Summary of Review

DRBC had approved the withdrawal of 0.377 MGD of groundwater from the interception well and the discharge of the withdrawn groundwater to Greenwalk Creek by Docket No. D-2013-020-1 (approved June 11, 2014). Renewed Docket No. D-2013-020-2 (approved December 12, 2018) doesn't include any additional parameters to incorporate into the NPDES permit.

Twice per month monitoring and reporting is required for: Flow, Total Magnesium, Total Calcium, Total Sodium, Sulfate, Chloride and Total Hardness. pH must always be within the range of 6.0 – 9.0 S.U.. The DRBC-initiated 1,000 mg/L maximum limitation for Total Dissolved Solids (TDS) is carried over in this renewal. pH and TDS must also be measured 2/month.

The permittee is required to monitor for pH, Temperature, Dissolved Oxygen and Total Dissolved Solids in Greenwalk Creek upstream and downstream of the groundwater discharge. Total Dissolved Solids shall also be monitored at the weir located on Greenwalk Creek above its confluence with Waltz Creek. Field measurements and water sample collections are required at a minimum frequency of 2/month by grab samples and should be done at mid-stream and mid-depth. pH should be measured with an accuracy of 0.1 S.U.

Instream monitoring results shall be reported on the attached "Greenwalk Creek Instream Monitoring Report Form" and submitted monthly as a supplement to the Discharge Monitoring Report.

There are no Chapter 93 water quality standards for Magnesium, Calcium, Sodium, or hardness. Standards for Sulfate, Chloride, and TDS are to be applied at public water supply locations (see attached modeling). The nearest public water supply intake location is at the Easton Area Water System intake on the Delaware River. Discharges from Outfall 001 travel down Greenwalk Creek, to Waltz Creek, to Martins Creek, and then to the Delaware River intake at an approximate stream length of 14 miles. For modeling inputs, the drainage areas were delineated using USGS's StreamStats interactive map, elevations were obtained using the StreamStats elevation profile tool, and RMIs were obtained using DEP's eMapPA.



TMS.pdf

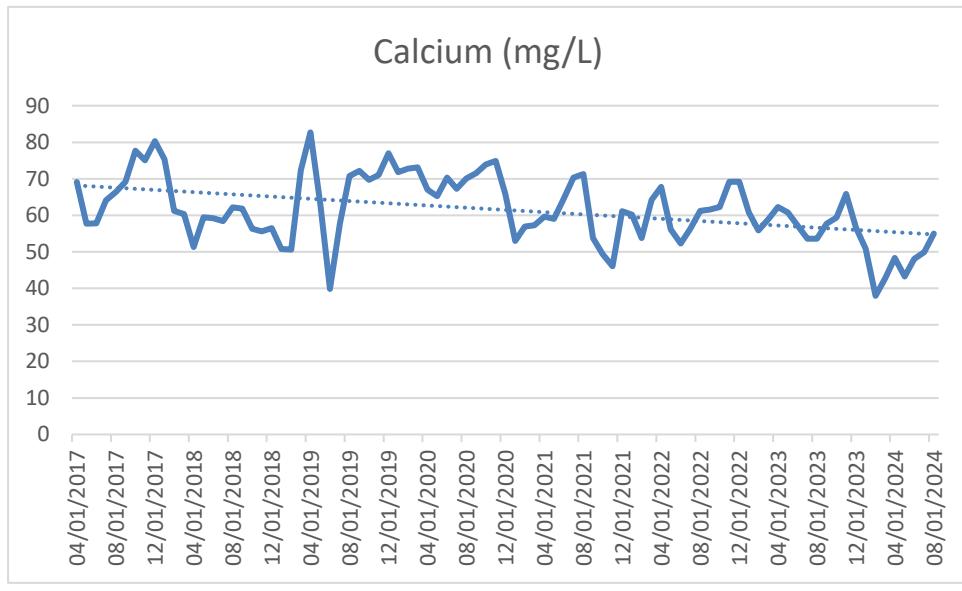


Watershed
Information.pdf



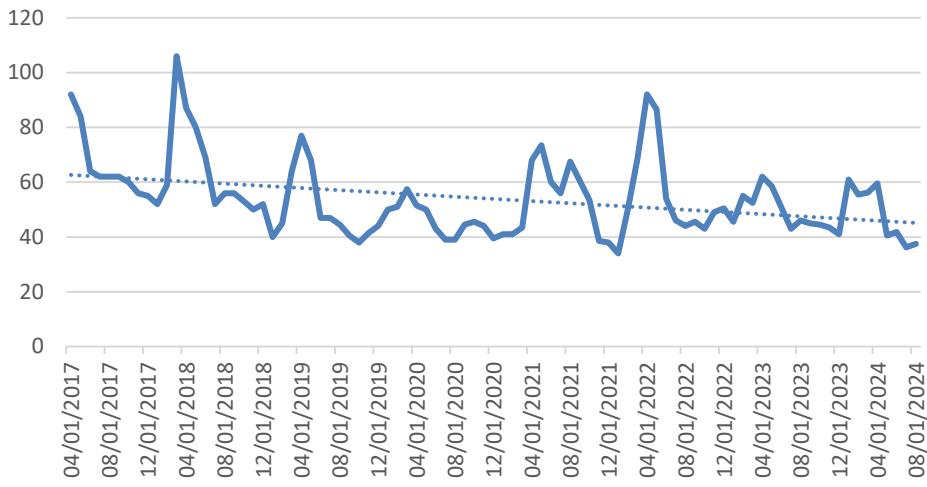
Docket
2013-020-2.pdf

All eEDMR data since original permit issuance was used to in the Excel graphs below, except for the first month of eEDMR usage (9/2016) since data submitted for most parameters in that month appear to be outliers. Trendlines added to the graphs seem to show a downward trend in contaminant concentrations at Outfall 001.



Summary of Review

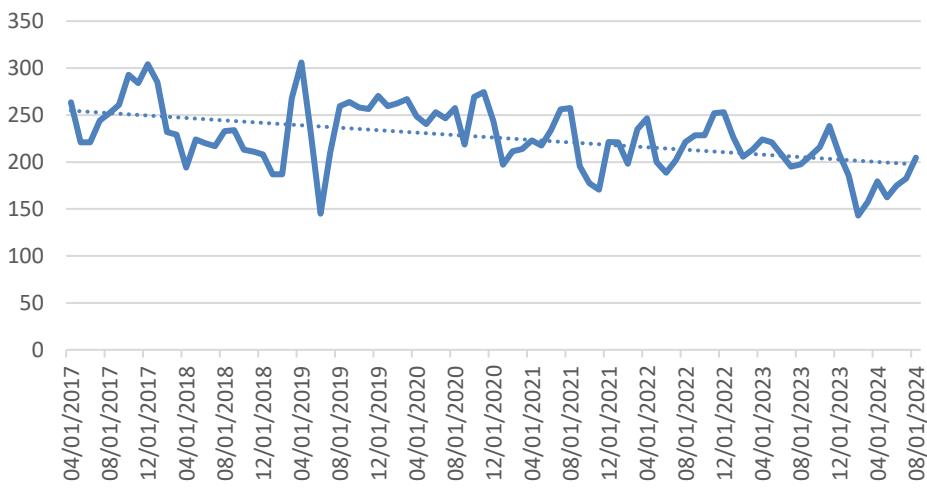
Chloride (mg/L)



Flow (MGD)

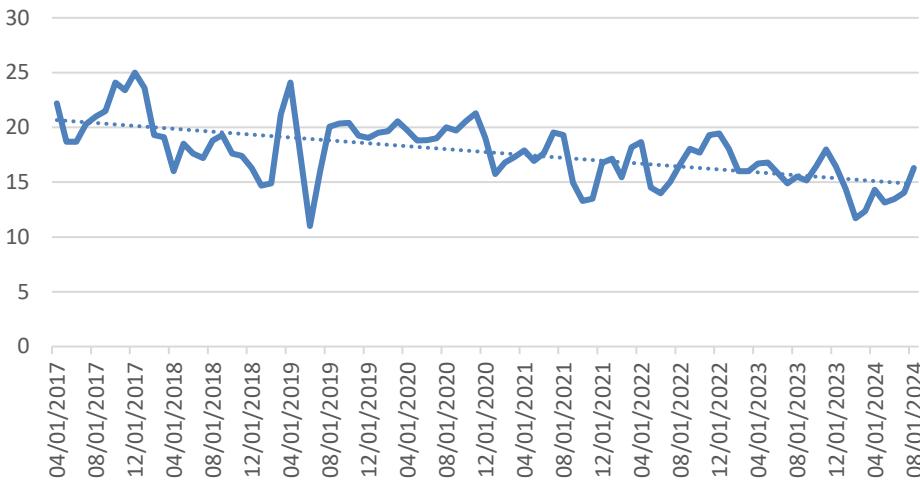


Hardness (mg/L as CaCO₃)

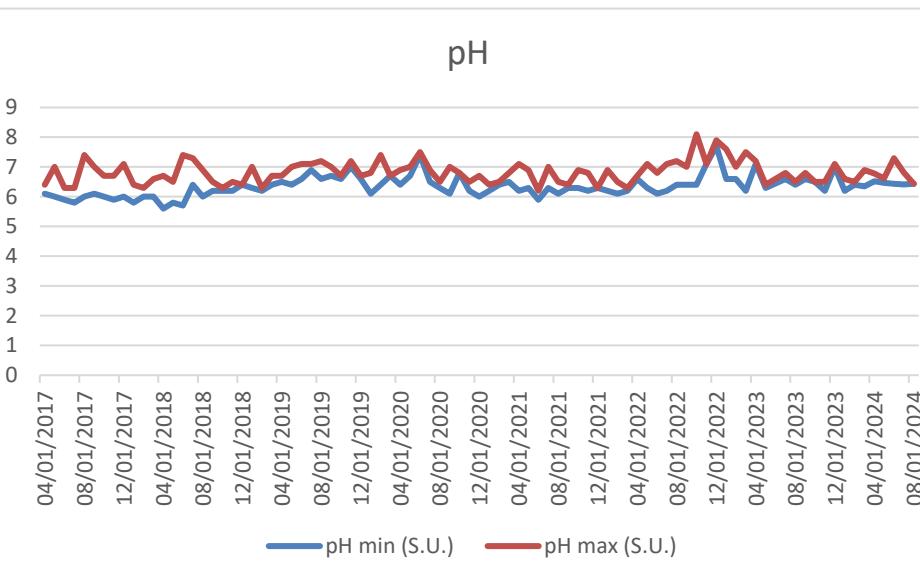


Summary of Review

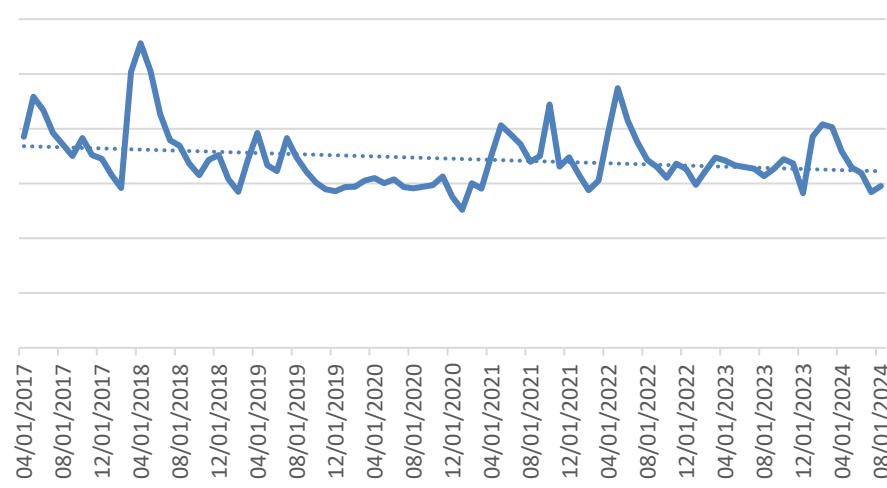
Magnesium (mg/L)



pH

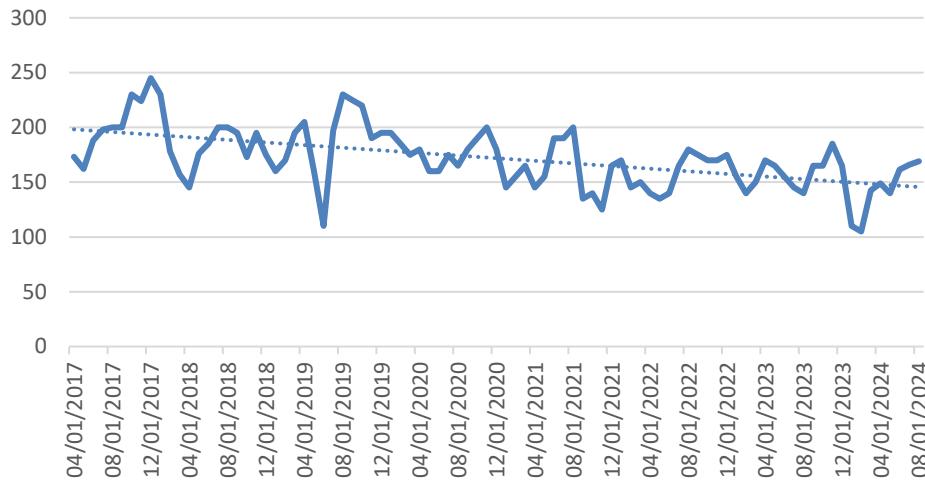


Sodium (mg/L)

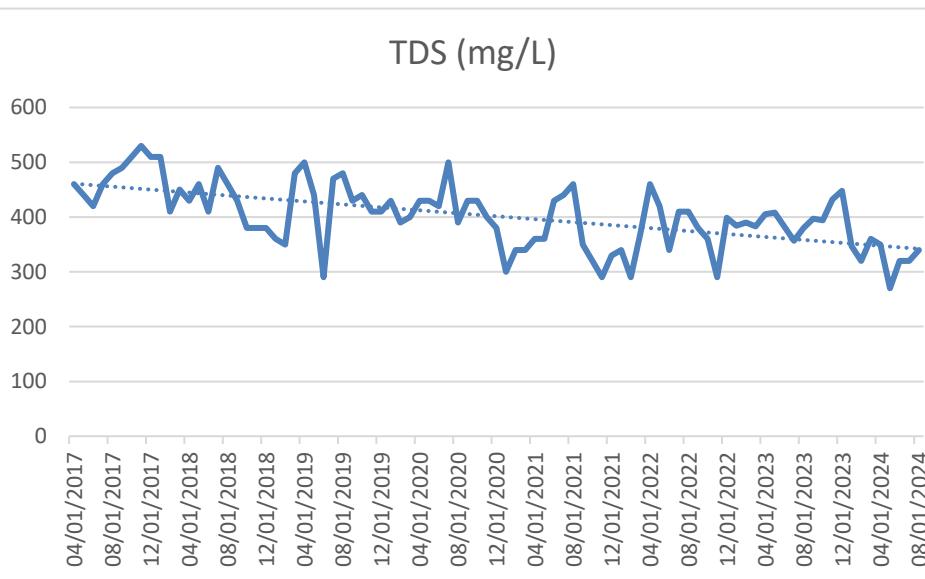


Summary of Review

Sulfate (mg/L)



TDS (mg/L)



Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

