NATURE'S WAY ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

## SUBMITTAL COVER SHEET

**Project Name**: Former Roxy Cleaners – Remedial Action
**Project No.:** Contract No. D009709
**Submittal No.:** 06

---

1. Date: 10/13/15
2. Submitted Item: Monitoring Well Decomissioning Plan
3. Manufacturer: _____
4. Person Submitting: Eric Warren
5. Spec. Location: Section 00012 Article Part 3.04 Paragraph A. Subparagraph _____
   (Must match that of Submittal Record Form)
6. Contractors Notes: Please review the attached monitoring well decomissioning plan.
7. Architect/Engineer Notes: _____

Architect/Engineer's Stamp

- ☐ Code 1 - Approved
- ☐ Code 2 – Approved As Noted
- ☐ Code 3 – Resubmit With Revisions
- ☐ Code 4 - Disapproved

Checking of submittals is only for general conformance with the design concept of the Project and general compliance with the information given in Contract Documents. Any action shown is subject to the requirements of the Drawings and Specifications. Contractor is responsible for dimensions to be confirmed and correlated at the job site, quantities, information that pertains solely to the fabrication processes or to techniques of construction, coordination of the work of all trades, and the satisfactory performance of his work.

By: _____ Date: _____
Architect/Engineer

NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

**Monitoring Well Decommissioning Plan**
Roxy Cleaners Site No. 401058
Contract No. D009709
156 Delaware Avenue
Bethlehem, NY

Nature's Way (NW) proposes to decommission the two onsite monitoring wells known as MW-02 and MW-02D by implementing the Grouting In-Place Method. This is the most frequently used well decommissioning method where the grout seals the borehole and any portion of the monitoring well that will be left in the ground.

Decommissioning of the onsite wells will be in accordance with the Specifications (Section 00012), the drawings as well as in accordance with CP-43 Groundwater Monitoring Well Decommissioning Policy. The grout mixture that we propose to use will be known as the "standard grout mixture" which is:
-One 94-pound bag Type I Portland cement;
-3.9 pounds powdered bentonite;
-7.8 gallons of portable water.

Grout will be placed in the well from the bottom to the top by means of a tremie pipe which is one inch in diameter. NW onsite technicians will either transfer the grout from the mixer to the tremie pipe by means of using a grout pump or manually via a large funnel and 5 gallon bucket. The tremie delivers the grout all the way down through the water column without it being diluted and mixed with the water that may be present in the well. The tremie pipe will be withdrawn after the well is filled up with grout to an elevation of 190.0ft. as described on the drawings and in specifications. NW recommends filling the wells with grout to a higher elevation such as to near the ground surface. This extra grout will allow for settling of the grout in each well and/or aid in the replacement of grout that may leak outside of the well in the surrounding soils. 24 hours will be allowed for the grout to cure prior to commencing work in the immediate area.

The upper parts of the wells (from the bottom of the remedial excavation [approx. elevation of 184.0'] to the existing ground surface level [elevation of 204.0']) will be removed during the remedial activities. The PVC parts of the well and any hardened grout will be broken up into small pieces and loaded out with the soil that will be disposed of at Albany Landfill.