

## SUBMITTAL

## **New England Infrastructure Inc**

16 Brent Drive Hudson, MA 01749 Submittal Number: SUBM045

Submittal Discipline: Date: 02/28/2024

Regarding: On Behalf Of:

Invasive Species Letter of Intent All Seasons Landscaping

From: To: Job Site:

Ethan Edwards 23-08 Weston - Rehab Bridges New England Infrastructure Rehab Bridge over River Rd & Preserve Bridge over Davis HII (978) 293-3535 x eedwards@neinfrastructure.com

Weston, CT

Distribution:

Ethan Edwards New England Infrastructure eedwards@neinfrastructure.com

We hereby submit the following for your approval.

Rev #:	Description:	Spec #:	Submit Date:	Return Date:	Status:
0	Invasive Species Letter of Intent		02/28/2024	03/04/2024	Revise & Resubmit
0	Invasive Species Letter of Intent Rev 1		03/05/2024		New

#### Remarks:

The above referenced submittal has been reviewed by the undersigned and I/We certify that the materials and/or equipment meets or exceeds the project specification requirements; that field measurements, dimensions, quantities, specified performance criteria, installation requirements, materials, catalog numbers and related materials have been verified; that all materials with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the work has been determined and verified; that review includes all information related to the contractor's sole responsibility for means, methods, techniques, sequences, and procedures of construction and safety' and item has been coordinated with the overall project with the following deviations, if any:

Please see attached revised submittal regarding the Invasive Species Letter of Intent for the above project.

Please Respond by: 03/06/2024



## **ALL SEASONS**

#### **Landscaping Contractors**

120 Commerce Court • Cheshire, CT 06410 • (860) 953-2471 • (860) 953-2473 *An Equal Opportunity Employer* 

#### Invasive Vegetation Removal Plan (IVRP)

REV. 1 - 3/05/2024

Attn: Ethan Edwards

RE: Weston #0157-0086

Dear Mr.Edwards

Per your request we have visited the above mentioned work site and our observations are as follows;

- Areas that are slated for control and removal of invasive vegetation have been delineated by the general contractor.
- 2) On site, the following invasive species have been identified;
  - Alliaria petiolate (garlic mustard)
  - Winged euonymus, S Euonymus alatus (Thunb.) Sieb.
  - Japanese stilt grass, Microstegium vimineum (Trin.) A. Camus
  - Ploygonum cuspidatum (Japanese knotweed)
  - Rhus Radicans (poison ivy)
  - Robus Phoenicolasius (wineberry)
- 3) We will be mechanically cutting down and removing the larger varieties and afterwards we will be applying an application of Rodeo herbicide to all of the smaller invasive species.

#### 4) Removal Methods:

- a. Cutting by hand tools (chain saws., loppers, rotary saws)
- b. Cutting with equipment-grapples-shears
- c. Cutting with power axe
- d. Herbicide Application
- e. Removal within areas of state listed species limited to mechanical removal

#### 5) Herbicides to be utilized

#### a. Rodeo with Request Adjuvant

- i. EPA REG# #62719-324 **Rodeo**
- ii. TARGET Nonselective weeds & grasses
- iii. Apply with hand held sprayer as a 1 ½ % solution.
- iv. 2 fl. oz. of Rodeo concentration to 1 gal. of water

#### **Treatment Period**

- 1. Initial removal and herbicide application Spring 2024
- 2. After May 15th following initial treatment review & re-treat (if necessary)\
- 3. Prior to October 15<sup>th</sup> review and re-treat (if necessary)

#### **Construction Activities Planned**

See general contractor

#### **Disposal Methods**

- A. Chipped species
  - a. Store in ASL yard 120 Commerce Court, Cheshire, CT 06410

#### **Safety Equipment**

- 1. Safety goggles
- 2. Rubber Gloves
- 3. Ear Plugs (chain saw operation)



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4. Chaps (situational)

#### **Spill Protection**

- All crews to be supplied with spill kits which minimally will contain
  - o Universal heavyweight sonic bonded pads
  - o Universal sorbent socks
  - Yellow disposal bags and ties
  - o Nitrile gloves
  - o Safety goggles
  - Tamper proof labels
  - Vinyl spill kit label
  - o White 5-gallon over-pack with screw top lid
- In the event of a spill:
  - Stop flow
  - o Contact CT-DEP Oil & Chemical Spill Response Division 860-424-3338
  - o Containment
- For spills that occur
  - o the spill is to navigable waters or the adjoining shoreline
  - o water quality standards could be violated,
  - o the spill causes a sheen or discoloration,
  - o the spill causes a sludge or emulsion.
  - o Contact-National Response Center at (800) 424- 8802
    - Information to be provided (see next page)
- o Name, location, and telephone number
- o Name and address of the party responsible for the incident
- o Date and time of the incident
- o Location of the incident
- o Source and cause of the release or spill
- o Types of materials released or spilled
- o Quantity of material released or spilled
- o Danger or threat posed by the release or spill
- o Number and type of injuries (if any)
- o Weather conditions at the incident location
- o Any other information that may help emergency personnel respond to the
- o incident.

Sincerely,

Lou LaVecchia All Seasons Landscaping Inc. Registration No PMCS.0065415



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# **Lookup Detail View**

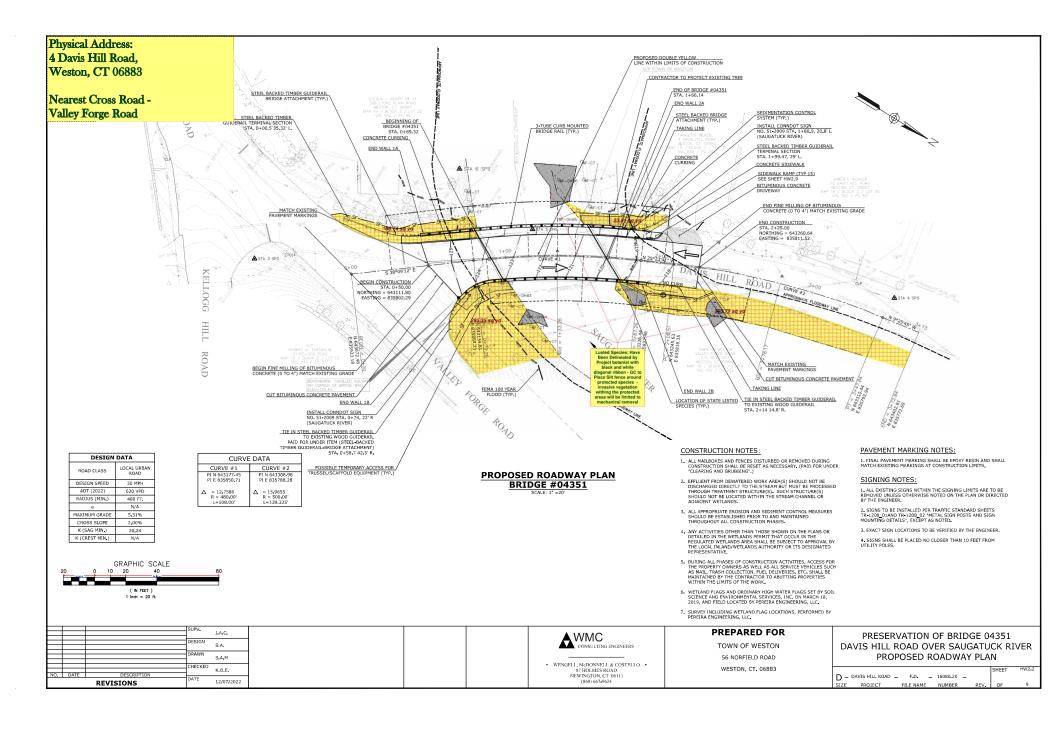
#### **Contact Information**

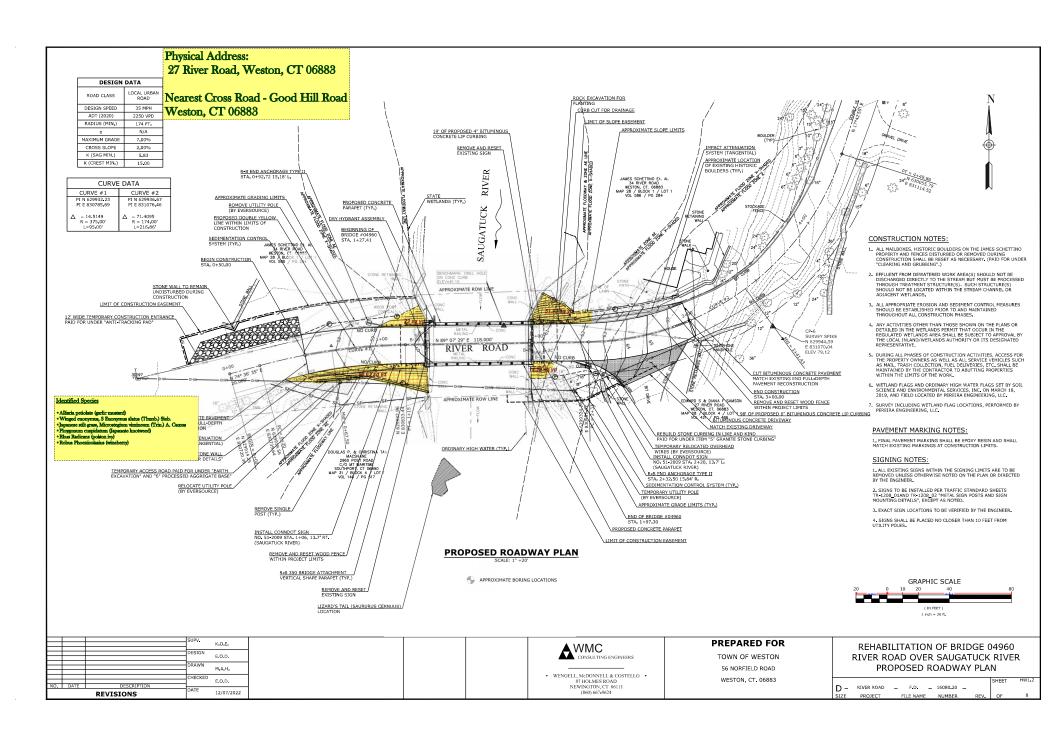
Name
LOU STEPHEN LAVECCHIA

#### **Certification Information**

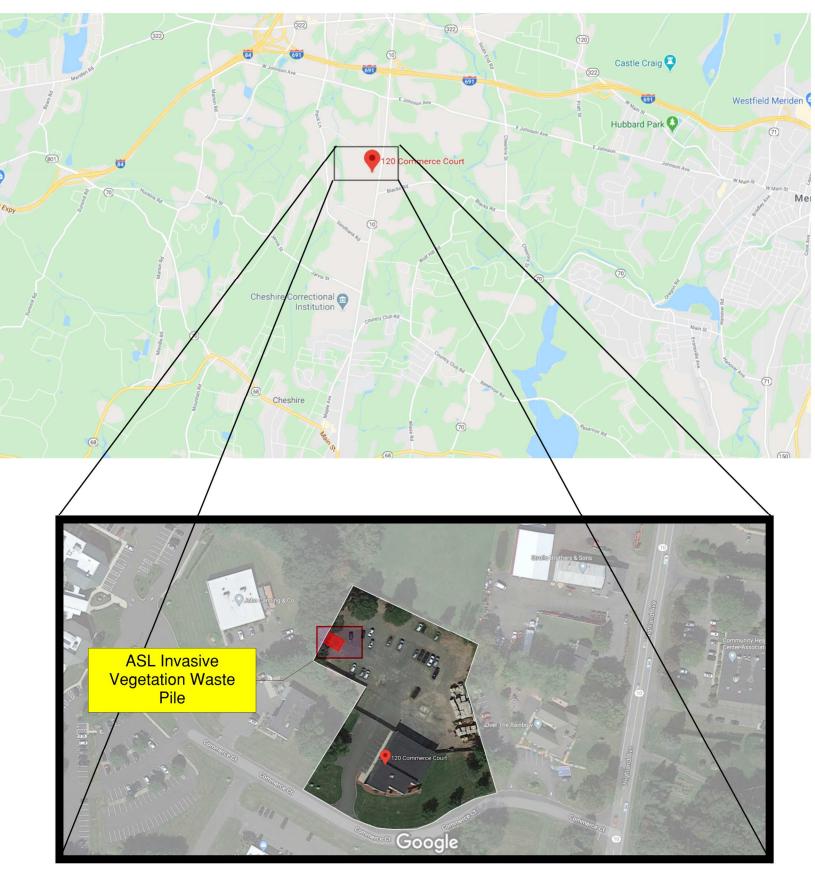
PESTICIDE COMMERCIAL SUPERVISOR

Registration No.	Pesticide Category Certification(S)	Effective Date	Expiration Date	Status
PMCS.0065415	3A Ornamentals & Turf, 3D Arborist, 6 Rights- of-Way	03/15/2022	01/31/2027	ACTIVE





# Invasive Vegetation Waste Disposal - 120 Commerce Court, Cheshire, CT 06410



Invasive Vegetation is stockpiled and covered at this location - No Permits are required for the stockpiling of Vegetation

# **MATERIAL SAFETY DATA SHEET**



## **RODEO\* HERBICIDE**

Emergency Phone: 800-992-5994 **Dow AgroSciences LLC** 

Indianapolis, IN 46268

Effective Date: 3/23/04 Product Code: 84825 MSDS: 006694

#### PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Rodeo\* Herbicide

#### **COMPANY IDENTIFICATION:**

Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1189

### **COMPOSITION/INFORMATION ON INGREDIENTS:**

Glyphosate IPA:

CAS # 038641-94-0

53.8%

N-(phosphono-methyl) glycine, Isopropylamine

Salt

Balance, Total

46.2%

#### HAZARDOUS IDENTIFICATIONS:

#### **EMERGENCY OVERVIEW**

Clear, pale yellow liquid. May cause eye irritation. Slightly toxic to aquatic organisms.

**EMERGENCY PHONE NUMBER: 800-992-5994** 

#### FIRST AID:

EYE: Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

SKIN: Wash skin with plenty of water.

INGESTION: No emergency medical treatment necessary.

INHALATION: Remove person to fresh air; if effects occur, consult a physician.

NOTE TO PHYSICIAN: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

#### FIRE FIGHTING MEASURES:

FLASH POINT: >214°F (>101°C) METHOD USED: Setaflash

#### FLAMMABLE LIMITS:

LFL: Not applicable UFL: Not applicable EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical

FIRE AND EXPLOSION HAZARDS: Foam fire extinguishing system is preferred because uncontrolled water can spread possible contamination. Toxic irritating gases may be formed under fire conditions.

FIRE-FIGHTING EQUIPMENT: Use positive-pressure, selfcontained breathing apparatus and full protective equipment.

#### 6. ACCIDENTAL RELEASE MEASURES:

ACTION TO TAKE FOR SPILLS: Absorb small spills with an inert absorbent material such as Hazorb, Zorball, sand, or dirt. Report large spills to Dow AgroSciences on 800-992-5994.

#### HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep out of reach of children. Do not swallow. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors and spray mist. Handle concentrate in ventilated area. Wash thoroughly with soap and water after handling and before eating, chewing gum, using tobacco, using the toilet or smoking. Keep away from food, feedstuffs, and water supplies. Store in original container with the lid tightly closed. Store above 10°F (-12°C) to keep from crystallizing.

#### **EXPOSURE CONTROLS/PERSONAL PROTECTION:**

These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.

**EXPOSURE GUIDELINES**: None established

**ENGINEERING CONTROLS**: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING **WORKERS:** 

EYE/FACE PROTECTION: Use safety glasses.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed.

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**RESPIRATORY PROTECTION**: For most conditions, no respiratory protection should be needed; however, if discomfort is experienced, use a NIOSH approved airpurifying respirator.

**APPLICATIONS AND ALL OTHER HANDLERS**: Please refer to the product label for personal protective clothing and equipment.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Clear, pale yellow liquid

**DENSITY:** 10.0 - 10.5 lbs/gal

**pH:** 4.8 – 5.0 **ODOR**: None

SOLUBILITY IN WATER: Miscible SPECIFIC GRAVITY: 1.21 gm/L

**FREEZING POINT**: -7°F - -10°F (-21°C - -25°C)

#### 10. STABILITY AND REACTIVITY:

**STABILITY:** (CONDITIONS TO AVOID) Stable under normal storage conditions.

**INCOMPATIBILITY:** (SPECIFIC MATERIALS TO AVOID) Galvanized or unlined steel (except stainless steel) containers or spray tanks may produce hydrogen gas which may form a highly combustible gas mixture.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Not known to occur.

#### 11. TOXICOLOGICAL INFORMATION:

**EYE:** May cause slight temporary eye irritation. Corneal injury is unlikely.

**SKIN:** Essentially non-irritating to skin. Prolonged skin contact is unlikely to result in absorption of harmful amounts. The LD $_{50}$  for skin absorption in rabbits is >5000 mg/kg. Did not cause allergic skin reactions when tested in guinea pigs.

**INGESTION:** Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. The oral  $LD_{50}$  for rats is >5000 mg/kg.

**INHALATION:** Brief exposure (minutes) is not likely to cause adverse effects. The aerosol  $LC_{50}$  for rats is >6.37 mg/L for 4 hours.

**SYSTEMIC (OTHER TARGET ORGAN) EFFECTS**: For a similar material, glyphosate, in animals, effects have been reported on the following organ: liver.

**CANCER INFORMATION**: A similar material, glyphosate, did not cause cancer in laboratory animals.

**TERATOLOGY (BIRTH DEFECTS):** For glyphosate IPA, available data are inadequate for evaluation of potential to cause birth defects.

**REPRODUCTIVE EFFECTS**: For glyphosate IPA, available data are inadequate to determine effects on reproduction.

**MUTAGENICITY:** For a similar material, glyphosate, invitro and animal genetic toxicity studies were negative.

#### 12. ECOLOGICAL INFORMATION:

#### **ENVIRONMENTAL DATA:**

#### **ECOTOXICOLOGY:**

Material is practically non-toxic to aquatic organisms on an acute basis ( $LC_{50}$  or  $EC_{50}$  is >100 mg/L in most sensitive species tested).

Acute  $LC_{50}$  for rainbow trout <u>(Oncorhynchus mykiss)</u> is >2500 mg/L.

Acute immobilization EC<sub>50</sub> in water flea (*Daphnia magna*) is 918 mg/L.

Material is practically non-toxic to birds on an acute basis ( $LD_{50}$  is >2000 mg/kg).

Acute oral LD<sub>50</sub> in bobwhite <u>(Colinus virginianus)</u> is >2000 mg/kg.

The LC<sub>50</sub> in earthworm Eisenia foetida is >1000 mg/kg. Acute contact LD<sub>50</sub> in honey bee (Apis mellifera) is >100 µg/bee.

Acute oral LD<sub>50</sub> in honey bee (Apis mellifera) is >100  $\mu$ g/bee.

Growth inhibition EC<sub>50</sub> in green alga (Selenastrum capricornutum) is 127 mg/L.

Growth inhibition EC $_{50}$  in duckweed (*Lemna sp.*) is 24.4 mg/L.

#### 13. DISPOSAL CONSIDERATIONS:

**DISPOSAL METHOD:** If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities.

<sup>\*</sup>Trademark of Dow AgroSciences LLC

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Indianapolis, IN 46268

Effective Date: 3/23/04 Product Code: 84825 MSDS: 006694

This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

If the material as supplied becomes a waste, follow all applicable regional, national and local laws and regulations.

#### 14. TRANSPORT INFORMATION:

# U.S. DEPARTMENT OF TRANSPORTATION (DOT) INFORMATION:

For all package sizes and modes of transportation: This material is not regulated for transport.

#### 15. REGULATORY INFORMATION:

**NOTICE:** The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

#### **U.S. REGULATIONS**

**SARA 313 INFORMATION**: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**STATE RIGHT-TO-KNOW:** This product is not known to contain any substances subject to the disclosure requirements of

New Jersey Pennsylvania

**OSHA HAZARD COMMUNICATION STANDARD:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA, or SUPERFUND): To the best of our knowledge, this product contains no chemical subject to reporting under CERCLA.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

<u>RATING</u>		
1		
1		
0		

#### **16. OTHER INFORMATION:**

MSDS STATUS: Revised Sections: 3,4,11,12,13,14 & 15

Reference: DR-0361-8028 Replaces MSDS Dated: 1/12/00 Document Code: D03-148-002

Replaces Document Code: D03-148-001

The Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied, Is Made. Consult Dow AgroSciences For Further Information.