





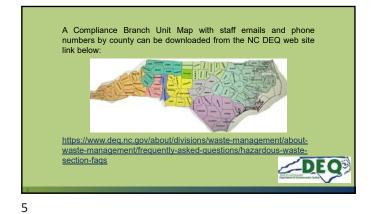


<u>Who</u> are the Hazardous Waste Section Chemists and how do I contact them?

Autumn Romanski, Eastern Environmental Chemist Autumn.Romanski@ncdenr.gov (919) 280-1510

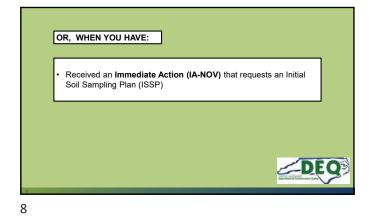
Richard Concepción, Western Environmental Chemist Richard.Concepcion@ncdenr.gov (828) 578-6927

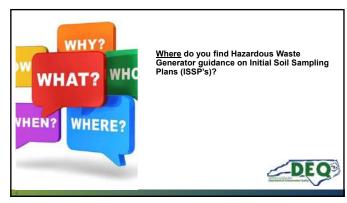


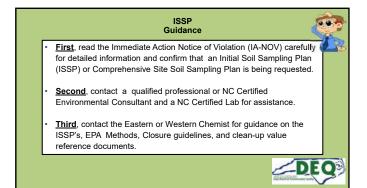




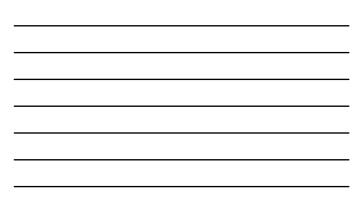


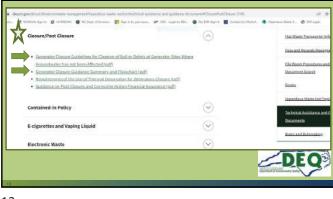




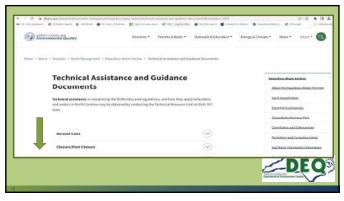










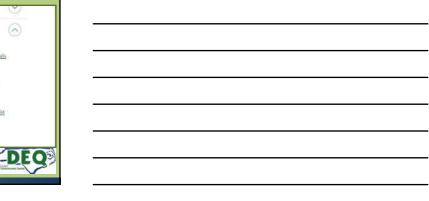






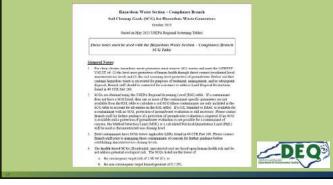
Lead Waste

Remediation



17

16



North Carolina Hazardous Waste Section Guidelines for Establishing Remediation Goals

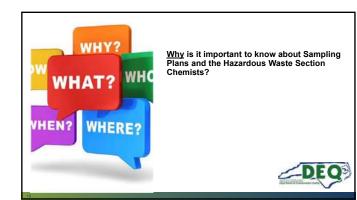
at RCRA Hazardous Waste Sites. December 2013 (pdf) • NCDED Hazardous Waste Section Compliance Branch Soil Cleanup Goal Table (pdf)

 \bigcirc



USE the Hazardous

Waste Section SCG Table

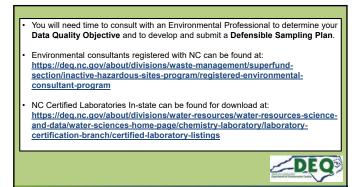


Time is of the Essence

A Notice of Violation (NOV) will require a waste determination and an appropriate waste disposal plan, within 30 days of receipt of the notice.

An **Initial Soil Sampling Plan (ISSP)** will be required, **within 60-90 days** of receipt of the notice, "when evidence of a hazardous waste release to soil is documented". The ISSP **must be approved by the Chemist** before conducting soil remediation.





Initial Soil Sampling Plans (ISSP's)

Initial Soil Sampling Plans are required when a waste determination is complete that identifies the waste, as hazardous waste, and when there is evidence that this hazardous waste was released to the underlying soil.

The Notice of Violation will require that you develop and submit an Initial Soil Sampling Plan.



22

Questions to consider and discuss with an Environmental Professional include:

What:

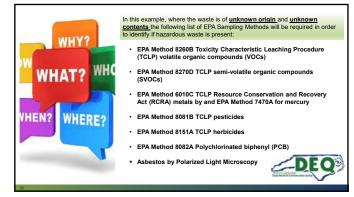
- Clean-up goals for contaminate concentrations of concern?
- Quantity of sample will be collected ?
- Quantity of sample will be needed for the lab analysis?
- Size of the Area to be sampled?Vertical and horizontal extent of contamination, if known?
- Defensible number of samples, to be confident clean-up goals are met, or a proper waste identification is made?
- · Container strategy for sampling, storage, transport, and disposal is
- appropriate for the weight/volume of waste to be discarded.

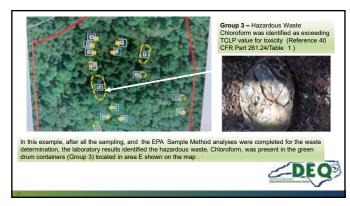


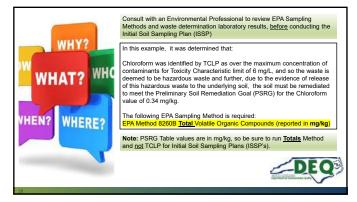














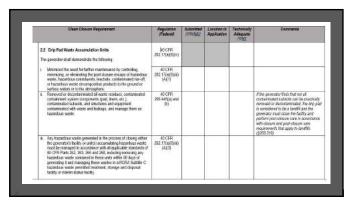
Accumulation Area, Hazardous Waste Unit and/or a facility under the Hazardous Waste Generator Improvement Rules (March 2018)

The Hazardous Waste Section Chemist may be involved with Hazardous Waste Unit, and Facility Closures for both small and large quantity generators A Hazardous Waste "Unit" Closure would include closure of: Central Accumulation Areas (HW CCA's) HW Tanks HW Drip Pads HW Containment Buildings <u> DEC</u>

| Clean Closure Regularisent | Regulation (Pederal) | Datheritour (WNEML) | Locaties in Application | Adequate | Comments |
|--|--------------------------------------|------------------------|-------------------------|----------|---|
| Notification A large spentfly generator accumulating locandous written in containers, tarks, dip pack, and costainment buildings, prior to downg a unit after finally, or prior to downg the facility, must meet the blowing notification considers: | 45 CFR 202.17(x)03(| | | | |
| 1.1 Wasto Accumulation Unit Desure | 40 CFR 262 17(0(Brl) | | | | |
| The generator shall place a realize in the specified record with 30 days after closure identifying the location of the unit within the locative OR Went the requirements in Dischling 2 below and health Aceth Camirus Nazardosis Result Result Stationing the procedures in Dischling 12 below for the result instant Stationing the procedures in Dischling 12 below for the result occumations. | EXE STREET | | | | If the instate accumulation unit it instance, and moreover, the generator may recover the color from the operating record. |
| 12 Facility Closure | 40 CFR 262 17(40(2)9) (AL- (C) | | | | |
| Notify North Carolina Hazardoun Weste Branch using form 8700- 12, no later than 30 days prior to closing the facility. | | | 1 | | |
| a. Notify North Carolina Hazandous Waste Strench using form 8700- 12 within 50 days after dosrey the facility that it has scenetical with the closure performance standards in Checklist 2 below for the waste accumulation unit. | | | | | |
| iii. The generator may sequest additional laws to steam class, tot / must outly Worth Candita Hazardous Waste Branch using form. \$700.12 within 75 days after the date provided in Cheolitar / 2.1 advant to request on extension and provide an captionation on to why the utilized lines are request. | | | | | |

| |
|------|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

| Clean Clocure Requirement | Regulation (Padeval) | Submitted (VINDA) | Location in Application | Technically Adequate | Convinues |
|---|---------------------------------------|----------------------|----------------------------|-------------------------|---|
| 2.1 Container, Task Systems, and Containment Building Waste Accumulation Units The penerator shall demonstrate the following | 40 CFR 202 17/0(6)(iii) (1)-(4) | | | CARRE | |
| Literates the need for further manteeance by controlling, minimizing, or derivating the poet downer except of historidaus water, leadnotos constituents leadnite, commended mini-alt, or facements water decomposition products to the ground or sufface waters or to the atmosphere. | | | | | |
| Nenrové or docontaminated al containential couprient instructures and a do dan yre remained lipitachtou, wale textulues from welle accumulation units installating containents spatient compresents (jusch, freme, risc.; commandet sche and subcolo, beiner, and intradamis and opportunit colorimetated with vaniel, uniters 40:CTR 30:et 2013/db.qc/dex. | | | | | If the generator field shall any confamiliation dask and vacates cannot be practicably removed or decontaminated, then the water accurations and is considered to be a finefit loss of OVP §285.111. Discuss performance Standard and (Sociated Card I) and (SPE3.010) Classima and past-closes care. regimements practices care. |
| a. Any hazardox waters generated in the process of classing other the generatory labelity or why is asymptotic sources with must be managed in accordance with all applicable structures of 00 CFF PHF 282, 283, 283 and 280 entry managements of approximation of the structure of the structure of the parentialing of an emerging them evaluate units of 0 State (State) to any entry structure structures and structure of the parentialing of an emerging them evaluate units of the State State) builty of instruct structures and structures and disposal builty of instruct states labeling. | | | | | |







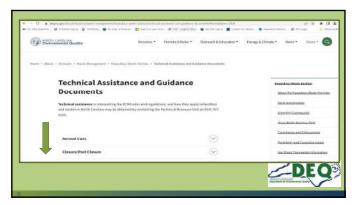
The Large Quantity Generator Closure requirements can be found at 40 CFR 262.17 (a) (8) (i) and

In the Hazardous Waste Generator Compliance Manual, the compliance manual is located at the DEQ web site link below:

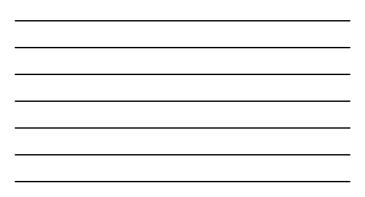
https://deq.nc.gov/about/divisions/waste-management/hazardous-wastesection/technical-assistance-and-guidancedocuments#HazardousWasteGenerator-2355

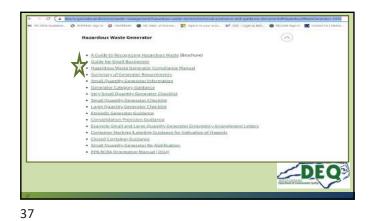


34



| Aerosol Cans | \odot | Percelling and Galvellow Action |
|------------------------------------|-----------|---|
| Closure/Post Closure | \odot | Bal Works Tomoporter Schemoties |
| Contained-in Policy | \odot | fees and Records Management |
| E-cigarettes and Vaping Liquid | 0 | Hadroom frocedorat and Bactions Bocument Search |
| Electronic Waste | \odot | Seeso |
| Groundwater Monitoring | \odot | Basedoni Modelfel Isaici Technical Associates and Destance |
| Hand Sanklase | 0 | Balanteria Robertahing |
| Hazardoux Secondary Material (MSM) | \odot | Resized Reviews |
| Hazardous Waste Generator | \otimes | |
| | | DEO |
| | | Z-DEQ |

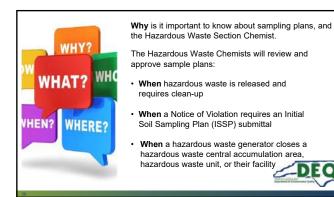




The Small Quantity Generator Closure requirements can be found at: 40 CFR 262.16 (b)(4)(i)

(i) A small quantity generator accumulating hazardous waste in tanks must, upon closure of the facility, remove all hazardous waste from tanks, discharge control equipment, and discharge confinement structures. At closure, as throughout the operating period, unless the small quantity generator can demonstrate, in accordance with § 261.3(c) or (d) of this chapter, that any solid waste removed from its tank is not a hazardous waste, then it must manage such waste in accordance with all applicable provisions of parts 262, 263, 265 and 268 of this chapter.







Where to find Hazardous Waste Generator Guidance Documents and the Soil Cleanup Goal Table

https://deq.nc.gov/about/divisions/waste-management/hazardous-waste-section/technical-assistance-and-guidance-documents



