CUMBERLAND COUNTY IMPROVEMENT AUTHORITY CUMBERLAND COUNTY SOLID WASTE COMPLEX

SOIL ACCEPTANCE PROTOCOL

This protocol establishes procedures to be followed by waste generators and soil brokers petitioning the CCIA/CCSWC to accept soil for use as daily cover material. It also sets forth criteria for I.D. 27 soil acceptable for reuse as daily cover.

At its discretion, CCIA may increase the testing requirements of this section. Generators or soil brokers seeking to dispose of soil at the landfill or seeking permission to use soil as daily cover are urged to consult with CCIA personnel before completing the requirements of this section. Should CCIA determine that ID 27 classification is required, the following procedures in items A through N shall be implemented.

A. For I.D. 27 soil, sampling shall be performed in accordance with the latest update to the NJDEP Field Sampling Procedures Manual which may be found at: http://www.state.nj.us/dep/srp/guidance/fspm

Samples shall be collected at a frequency of one (1) 5-point composite per 1,000 cubic yards. If soil characteristics are similar for sources greater than 10,000 cubic yards, the frequency may be reduced to one (1) 5-point composite per 2,500 cubic yards.

Samples shall be tested for the following parameters:

1. Ignitability as per 40 CFR Section 261.21- Characteristic of ignitability
2. Corrosivity as per 40 CFR Section 261.22- Characteristic of corrosivity
3. Reactivity (Sulfide/Cyanide) as per 40 CFR Section 261.23- Characteristic of reactivity
4. Full (All parameters) “Toxicity Characteristic Leaching Procedure” (TCLP) as per 40 CFR Section 261.24- Toxicity Characteristic
5. Paint-filter test SW-846 Method 9095
6. Total Polychlorinated Biphenyls (PCB’s)
7. Petroleum Hydrocarbons to be determined using the latest revision of NJDEP’s Extractable Petroleum Hydrocarbons (EPH) Method*
8. The USEPA Target Compound List Plus 30 or "TCL + 30" /Target Analyte List or "TAL" of parameters. TCL + 30/TAL parameters are defined in the Tech Regs, N.J.A.C. 7:26E-1.
9. Sieve analysis

NOTE:

** EPH concentrations shall not exceed 8,000 mg/kg for Category 1, and 17,000 mg/kg for Category 2.*

Analysis will be conducted by a New Jersey Certified Laboratory. Laboratory Reports must include a cover page, including facility name and address, laboratory name and address, laboratory certification number, if applicable, date of analytical report preparation and signature of laboratory director; data summary tables showing the following: 1) parameter 2) level detected 3) regulatory level 4) method detection limit 5) a legend defining all units; and all chain of custody documentation. The CCIA reserves the right to request NJ full or reduced laboratory data deliverables be submitted.

B. The generator or soil broker of the soil must submit to the CCIA, written certification confirming that the soil is non-hazardous ID-27, one (1) copy of the analytical data package (chain of custody, sampling methods, QA/QC data, etc.) for each composite soil sample tested, and a completed Soil Disposal Request Form (provided by the Authority).

C. Soil contaminated by a known source of virgin petroleum product such as diesel fuel, gasoline, kerosene, etc. and not exceeding more than 8,000 mg/kg for Category 1 and 17,000 mg/kg for Category 2 of petroleum hydrocarbons (PHC) will be considered for reuse when a completed request is accompanied by sufficient sampling and testing information.

D. The CCIA reserves the right not to accept soil contaminated from contact with a hazardous waste or soil that was formerly hazardous waste rendered non-hazardous.

E. The particle size distribution of the soil shall conform to the landfill's daily cover soil specifications as follows: material to be used as daily cover shall be of quality that is manageable under all weather conditions and does not consist of very fine-grained materials or heavy clays. Impermeable materials (i.e. clay) or very fine materials which may be subject to erosion will not be accepted for use as daily cover material at the landfill. No more than 20 percent of fine grained materials shall pass a No. 200 sieve; at least 40 percent by weight of the fragments in the soil admixture shall be capable of passing through a No. 10 mesh sieve; and particle sizes shall not exceed six inches in diameter.

F. The CCIA will review submitted laboratory test data and will perform a visual inspection of the non-hazardous ID-27 soil prior to acceptance. The following materials will not be accepted for use as daily cover material:

1. Soil containing wood and other such debris.
2. Soil containing asphalt and/or concrete larger than six inches in diameter.
3. Soils containing organic soil or other organic matter.
4. Soils consisting of heavy clays or very fine grained materials.
5. Soils having a coloration indicating that they contain high levels of petroleum hydrocarbons.

6. Soils showing the presence of free draining petroleum products.
7. Soils that are in any other way unacceptable for use as daily cover material.

G. Upon approval by the CCIA, the generator of the soil will be advised, in writing, as to the following:

1. When shipment of the ID 27 soil may commence.
2. The rate of acceptance of the material at the landfill.

H. ID 27 soil having gone through the above review process and having been determined to be suitable for use as daily cover material shall be accepted at the CCIA CCSWC at the current price of daily cover material. However, if it becomes evident that the ID 27 soil being delivered to the landfill is unsuitable for daily cover because it contains any of the materials listed in Condition F, 1 through 7, the soil will be loaded into a lined roll-off container and stored onsite until analytical results are received.

I. The CCIA may require that the generator or soil broker of the ID 27 soil perform additional analytical testing of the soil if inspection of the soil reveals that the soil samples previously taken are not, in the judgement of the CCIA, representative of the entire volume of soil requiring disposal. If it becomes evident during the delivery of ID 27 soil to the working face of the landfill that previously submitted data and information may not be representative of the soil being delivered, CCIA reserves the right to reject the soil and require additional testing to be performed by the generator or soil broker at his/her expense. The CCIA will also reserve the right to do random verification sampling of all soil delivered to the landfill. In this event, any soil suspected of exceeding the CCIA I.D. 27 soil acceptance criteria shall be removed from the working face of the landfill at the generator's or soil broker's expense. Any material rejected and removed from the landfill shall not be accepted by the CCIA unless the additional testing indicates that the material is acceptable. All incidences of final rejection of material shall be reported within 10 days to DEP enforcement.

J. The amount of ID 27 soil that will be delivered to the CCSWC on any given day will be determined by the CCIA. The soil will only be stockpiled at the landfill on active areas of the landfill where all storm water run-off is directed into the leachate collection system. The CCIA will not stockpile more than 10 day's cover material requirements.

K. All ID 27 soil accepted at the CCSWC shall be delivered to the working face of the landfill and shall be stored and/or used only on lined areas of the landfill.

L. The applicant requesting disposal for ID 27 soil as cover material shall complete the attached I.D. 27 Soil Disposal Request Form.

M. The CCIA reserves the right to request the generator or soil broker of the soil submit all information and fees required for I.D. 27 Classification Review to the NJDEP Division of Solid and Hazardous Waste:

New Jersey Department of Environmental Protection
Solid and Hazardous Waste Management
Bureau of Recycling and Hazardous Waste Management
Mail Code 401-02C
PO Box 420
401 East State Street Trenton, NJ 08625-0420

If requested, a letter approving the soil for use as cover material would accompany the generator's or soil broker's disposal request to the CCIA.

N. All records regarding the I.D. 27 contaminated soils shall be maintained at the CCIA administrative office, 2 N High St, Millville, NJ, and shall be made available for inspection to representatives of the Department. All records shall be submitted to the Department upon request.

Cumberland County Improvement Authority
Cumberland County Solid Waste Complex

Soil Disposal Request Form

Section 1: GENERAL INFORMATION

1. Generator's Name_____2. EPA ID Number_____

3. Street Address_____4. Municipality _____
(where soil was generated)
5. County_____ 6. State_____7. Zip Code_____8.Contact_____

9. Phone Number ( ) ____-_____.

10. Regulatory Program: ISRA___ RCRA___ CERCLA___ UST___ NJ Spill Act___ County/Local ___ Other ___.

11. Agency Contact_____12. Date of Request for Disposal_____

APPLICANT (Complete if someone is submitting this request on behalf of the generator or soil broker or if the generator's or soil broker's mailing address is different from above--All correspondence will be addressed to this company if this section is completed.)

13. Company Name_____

14. Mailing Address_____

15. Municipality_____16. State_____17. Zip Code_____

18. Contact_____19. Phone Number_____

TRANSPORTATION

20. Contractor to be used to deliver soil_____

21. Mailing Address _____

22. City_____23. State_____24. Zip Code_____

23. Volume of Soil_____Tons / Cubic Yards. (Circle one)

24. Disposed: Once Weekly Monthly Annually (Circle one)

25. Waste Description: Describe in detail the waste to be accepted. Describe how soil became contaminated. (e.g., Soil became contaminated with # 2 fuel oil during the removal of a leaking underground storage tank).

26. Waste Texture/Gradation (i.e. sand, silt, clay etc.) _____ _____

27. Were other hazardous wastes discovered at the same site (Yes / No). If yes, indicate which contaminants are or were present at the site. Indicate any other processes, including storage, which involve the use of hazardous materials which have taken place on the site.

SAMPLING INFORMATION

28. Sampling Methodology: Describe in detail, the sampling methods used to obtain a representative sample of the material.

29. Compositing Scheme: Indicate the number of discrete samples comprising each laboratory sample composite.

30. Descriptive Site Diagram: showing the location of the waste to be accepted, description of storage (i.e. stockpiles, excavation, native soil), and sample locations.