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Carmen J. 3/3/09

LCID N25-B Permit (MCAS) Cherry Point LCID Landfill

UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
POSTAL SERVICE CODE BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

5090/11200
LN
July 14, 2006

CERTIFIED MAIL
Return Receipt: 7000 1530 0005 9294 1783

Geoffrey H. Little
North Carolina Department of
Environmental and Natural Resources
Division of Waste Management
401 Oberlin Road, Suite 150
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Received
JUL 2006
Solid Waste Section

Dear Mr. Little:

Marine Corps Air Station (MCAS), Cherry Point currently operates a Land Clearing and Inert Debris Landfill (LCID) under permit #25B issued by the North Carolina Solid and Hazardous Waste Management Branch on September 23, 1982. Enclosure (1) is a copy of the permit. MCAS Cherry Point requests a permit renewal and/or an amendment whichever is appropriate.

The MCAS Cherry Point landfill was first permitted as a construction debris landfill but in January of 1993, the State of North Carolina repealed requirements for demolition landfills (15A NCAC 13B .0505 and .0507) and instead instituted rules for LCID landfills, including landfills that at the time were permitted as demolition landfills (15A NCAC 13B .0560). In December 1997, MCAS Cherry Point sent a request to the Solid Waste Section for a permit renewal and in conjunction with the renewal, an application to vertically expand the landfill. MCAS Cherry Point applied for a Stormwater and Sedimentation and Erosion permit. On March 23, 1998, copies of the approved Stormwater and Erosion and Sedimentation Control permits were forwarded to the Solid Waste Section. On July 7, 2003, Mr. Jim Barber from the Solid Waste Section confirmed receipt of the application for renewal and amendment. Since then, MCAS Cherry Point made numerous phone calls to the Solid Waste Section requesting the status of our permit renewal/amendment. Based on those conversations, MCAS Cherry Point was told to continue operating under the old permit until the renewal application was approved and a new permit issued.

On June 19, 2002, MCAS CHERRY POINT requested the State permit the Air Station to dispose of spiractor sand at the installations' permitted LCID landfill. Since the spiractor sand is a non-

hazardous, inert material composed primarily of silica sand and calcium carbonate and is likely to retain its physical and chemical structure under expected landfill conditions, disposal at the LCID Landfill would be environmentally sound and should pose no significant environmental concerns. Enclosure 2 is a copy of the toxicity characteristic leaching procedure analysis and enclosure 3 is a copy of the material safety data sheet.

On December 2, 2005, we called Mr. Ed Mussler, Solid Waste Management Section, and requested the status of the permit renewal/amendment. He was not sure of the status and would research the issue. On December 8th, we emailed Mr. Mussler requesting the status of the permit. On February 10, Mr. Mussler forwarded the e-mail to you. On February 13, 2006 via email, you requested that MCAS Cherry Point submit an amendment application for the next five years.

The LCID site plan (Enclosure 4) and the Marine Corps Air Station approval for the location of the LCID are still in effect and this information is not being re-submitted. Mr. Ray Williams of NCDENR inspected the LCID on May 25, 2005 and no violations were noted (Enclosure 5). We have enclosed a copy of our LCID Standard Operating Procedure (Enclosure 6) and two copies of the cross-section of the LCID (Enclosure 7) for your review.

If there are any questions or if you need additional information, please contact Ms. Alicia Filzen of the Environmental Affairs Department at (252) 466-5391.

Sincerely,

G. W. RADFORD
Environmental Affairs Officer
By direction of the
Commanding General

Enclosures:
1: LCID Permit 25B
2: TCLP analysis
3: Spirator Sand's Material Safety Data Sheet
4: Site Plan
5: Inspection Report
6: Standard Operating Procedure
7: Cross-sections of the LCID

Craven

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

Permits

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

CERTIFICATION OF RECORDATION OF SOLID WASTE PERMIT

The Certified Copy of Permit # 25-B was recorded on Page 806, Book 1010; on this 12 day of October, 1982 at 9:20 a.m.

Register of Deeds

(seal)

To Landfill Owner/Operator:

In order for this permit to be valid it must be recorded as specified in the Permit. This certification of recordation must be received by the Solid & Hazardous Waste Management Branch, Division of Health Services, P.O. Box 2091, Raleigh, NC 27602, prior to receiving solid waste at the disposal site.

ATTACHMENT 2

Permit Conditions

Part 1: General Facility Conditions:

? Amend 1. **This permit shall not be effective unless the certified copy is filed in the Register of Deeds office and indexed in the grantor index under the name of the owner of the land in the county or counties in which the land is located.** The certified copy of the permit, affixed with the Register's seal and the date, book, and page number of recording shall be returned to the Division of Solid Waste Management, within **THIRTY (30)** working days.

X 2. When this property is sold, leased, conveyed, or transferred, the deed or other instrument of transfer shall contain in the deed description section in no smaller type than that used in the body of the deed or instrument a statement that the property has been used as a land clearing and inert debris landfill.

3. This permit is not transferable.

4. This permit is issued for a period not to exceed five years from the date of issuance of this permit, August 13, 2003.

5. This facility is permitted to receive land clearing waste, yard trash, untreated and unpainted wood, and inert debris such as rock, brick, concrete, concrete block, and uncontaminated soil. Waste acceptance requirements may be affected by future revisions and amendments to the NC General Statutes, or to the NC Solid Waste Management Rules.

6. The facility is permitted to receive waste generated within ~~ABC County~~ USMC Cherry Point, in accordance with the approved plan found in Document X Attachment 1.

X 7. This permit is for the construction and operation of the landfill (Cell 1) and the removal of cover soil from Cell 2 only in accordance with the approved plans. Any revision to the construction or operation of the facility requires written approval by the North Carolina Solid Waste Section. Construction or operation of future cells or phases will require written approval of the Section. Cells or phases identified in the approved plans, Documents 1, are for informational purposes only.

X 8. Excavation within the footprint of the disposal area (CELL 1) at this facility is not required by the approved plans. Excavation of cover soils and borrow material from Cell #2 is allowed in accordance with the approved plans. Disposal of LCID material in CELL #2 is prohibited at this time. All earth work shall be in accordance with the approved plan and consistent with the soils report included in the permit submittal document by Engineering &

Environmental Science Company.

X 9. The following requirements shall be met prior to receiving solid waste in the new cell:

X a. A site inspection and pre-operative meeting shall be conducted by a representative of the Solid Waste Section. The permittee shall notify the Section's Waste Management Specialist and make arrangements for the site inspection and pre-operative meeting.

b. A sign shall be posted at the entrance as required by the NC Solid Waste Management Rules Operational Requirements, 15A NCAC 13B .0566 (16).

X c. A certification letter, from a Registered Professional Engineer (Design Engineer typically), shall be submitted to the Section stating that the facility has been constructed in accordance with the approved plans.

X d. Survey stakes shall be installed to delineate (Disposal Cell Area)Cell #1/Cell #2 boundary and stakes shall be placed to identify the corners of Cell #1.

X e. The Solid Waste inspector shall notify the Permitting Branch Supervisor in writing by letter or e-mail, that the site is acceptable and may commence accepting waste. The owner/ operator shall be copied on the notification and may commence receiving waste at that time.

10. This facility shall conform to the operational requirements of the NC Solid Waste Management Rules, 15A NCAC 13B .0566, and to the operational plan required by 15A NCAC 13B .0565(4) identified as Document X, Attachment 1.

11. Amendments or revisions to the NC Solid Waste Management Rules or any violation of groundwater standards may necessitate modification of the approved plans or closure of the facility.

12. Ground water quality at this facility is subject to the classification and remedial action provisions of 15 NCAC 2L.

13. An approved sedimentation and erosion control plan shall be obtained prior to the beginning of earth disturbing activities and all such activities shall be conducted in accordance with the Sedimentation Pollution Control Act of 1973 (15 NCAC 4) along with any other state, federal or local requirements.

14. Waste shall be placed a minimum of four (4) feet above the seasonal high water table.

15. Open burning of land clearing waste is PROHIBITED.

PERMIT NO. 25-B

DATE ISSUED 9/23/82

STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
Division of Health Services
P.O. Box 2091 Raleigh 27602

Received
JUL 2006
Solid Waste Section

SOLID WASTE PERMIT

CHERRY POINT, MCAS is hereby issued a permit to operate a DEMOLITION LANDFILL located ON BASE, in accordance with Article 13B of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located on the below described property.

This description is based on the North Carolina Grid Coordinate System.

BEGINNING at coordinates 432,643.35 / 2,631,836.92
thence S 04° 52' 34" E 1060',
thence S 85° 07' 26" W 290.00',
thence N 82° 57' 34" W 378.00',
thence N 51° 27' 34" W 590.00',
thence N 01° 35' E 295.00',
thence N 58° 05' 25" E 623.33',
thence S 85° 07' 26" W 500.00' to the beginning.

O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

DHS Form 2871 (Rev. 1/82)
Solid & Hazardous Waste Management Branch

ENCLOSURE (1)

PERMIT NO. 25-B

DATE ISSUED 9/23/82

SOLID WASTE PERMIT

Conditions of Permit:

1. This permit may be subject to review at an administrative hearing upon petition of anyone whose legal rights, privileges, and duties may have been affected by the issuance thereof.

2. This permit shall not be effective unless the certified copy is filed in the register of deeds' office, in the grantor index under the name of the owner of the land in the county or counties in which the land is located.

3. The "Certification of Recordation of Solid Waste Permit" returned to the Solid and Hazardous Waste Management Branch.

4. This solid waste disposal site is permitted to receive stumps, limbs, leaves, concrete, masonry, wood, and uncontaminated earth.

5. This permit is for construction according to plans prepared by McDowell-Jones, P.A. dated June 3, 1982. Any modification or deviation from the approved plans shall be approved by the North Carolina Solid and Hazardous Waste Management Branch.

Southern Testing & Research Laboratories, Inc.
3809 Airport Drive • Wilson, NC 27896 • (252) 237-4175 • Fax: (252) 237-9341 • www.STRLabs.com

SAMPLE No.: H0588-008
Date Reported: 09/04/98

REPORT of ANALYSIS

Commanding General
Environmental Affairs Dept. (LN)
MCAS PSC Box 8006
Cherry Point NC 28533-0006

Phone: (252)466-4789 X
Fax: (252)466-2000

P. O.: 62470-98-M-0365

Client Sample ID: MCAS COAL ASH ANALYSIS
Marks: Spiractor Sand (TCLP)

Collected: 08/11/98 16:00	Matrix: SOLID WASTE
Received: 08/12/98 16:27	Classification: ENV

CAT No.	ANALYSES	MDL	RESULT	UNITS
ES-035.1	TCLP Nonvolatile Extraction		Yes	
ES-036	TCLP Inorganics (8 metals)		Form 36	

COMMENTS: ND = Not Detected

Laboratory Contact(s):

Debbie Collins
Customer Service Specialist

Reviewed and Approved by:

James B. Cox, III, B.S.
Manager, Environmental Dept.

ENCLOSURE (2)

Chemical and Microbiological Analyses: Environmental • Industrial Hygiene • Agrochemical • Foods • Pharmaceuticals

Southern Testing & Research Laboratories, Inc.
3809 Airport Drive • Wilson, NC 27896 • (252) 237-4175 • Fax: (252) 237-9341 • www.STRLabs.com

FORM 36
TCLP INORGANICS (8 Metals)
METHOD: EPA SW-846/1311/6010A/7470A
Catalog No.: ES-036

Sample Specific Information For STRL Sample No.: H0588-008

Client Sample ID: SPIRACTOR SAND
Sample Matrix : SOLID WASTE

Date Sampled : 8/11/98
Date Digested : ICP 8/25/98
Hg 8/27/98

Date Received : 8/12/98
Date Analyzed : ICP 8/28/98
Hg 8/27/98

TCLP Extracted : 8/24/98
Date Reported : 9/4/98

Analyte (mg/l)	Regulatory Limit	Detection Limit	Result
Arsenic	5.0	0.1	ND
Barium	100.0	0.01	0.364
Cadmium	1.0	0.002	ND
Chromium	5.0	0.002	ND
Lead	5.0	0.025	ND
Mercury	0.2	0.0006	ND
Selenium	1.0	0.1	ND
Silver	5.0	0.01	ND

COMMENTS: ND = NOT DETECTED

Laboratory Contact For Above Report

Name : Debbie Collins
Title: Customer Service Specialist

Reviewed and Approved

: James B. Cox III, B.S.
: Manager, Environmental Dept.

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME: The Morie Company, Inc.

ADDRESS: 1201 N. High Street, Millville, NJ 08332

EMERGENCY PHONE NO: (609) 327-4500 8:00 a.m. to 4:30 p.m.

DATE PREPARED: April 1, 1992 PREPARED BY: CRAIG ATKINSON Craig E. Atkinson

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

PRODUCT NAME:

A-1,6,10,19,40,50
Airport Runway
ASTM C-404,C-144 Dry,C-33 Dry
Beach
Blends - Special blend requested
Block, C-33, Cement Lining, Chips
Concrete, Engine, Easy-Out
Filter-.30mm,.35mm,.40mm,.45mm,
.50mm,.55mm,.60mm,.65mm,.70mm,
.75mm,.80mm,.85mm,.90mm,.95mm,
1.0mm, 1.5mm,2.0mm,2.5mm,3.0mm
Filter Gravel - 1/8x1/16,1/8x#10,
3/16x#10,1/4x1/8, 3/8x3/16
Flint Shot Match, Glass, GST-Tan
Foundry & AFS - 25,30,35,40,45,
50,55,60,65,70,75,80,85,90,
95,100,105,110 & any combination
Mason, Mortar
Mesh - 10,20,30,40,50,60
Playbox, Pipe Lining
Q - 665, 666, 667, 668, 669,
Q 670, 671, 187-17768, 187-27319
Sand-000,00N,00,0,1,2,3,4,5
Sea Gull White
Scrubcoat
Sewage -.30-.50mm,.40-.60mm
TC# - All TC#'s - Special blends
Trap, Trapeze #5, Trapeze 125
Well Gravel-00N,00,0,1,2,3,4,5
#5 Dry, #4 Dry
#60 G, U-60

CHEMICAL NAME:	Silicon Dioxide	CHEMICAL FORMULA:	SiO2
COMMON NAME:	Crystalline Silica, Silica Sand	PERCENT:	>99
		OSHA PEL:	*1
CAS NO:	14808-60-7	ACGIH TLV:	*2

*1 For Respirable Quartz Dust In mg/m3
29 CFR 1910.1000 (TABLE Z-1-A) PEL = .1 mg/m3

*2 For Respirable Quartz Dust in mg/m3
ACGIH 1991-92 TLV = .1 mg/m3

National Institute of Occupational Safety and Health recommends the standard maximum permissible concentration = .05 mg/m3 (respirable free silica) as determined by a full shift sample up to 10 hour working day, 40 hour week.

Concentration of quartz for the above application of the limits are to be determined from the fraction passing a size-selector.

Calcium Carbonate + Manganese

ENCLOSURE (3)

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F.):	N/A
VAPOR PRESSURE (mmHg.):	N/A
VAPOR DENSITY (AIR = 1):	N/A
SOLUBILITY IN WATER:	None
SPECIFIC GRAVITY (H2O = 1):	2.65
MELTING POINT:	N/A
EVAPORATION RATE (BUTYL ACETATE = 1):	None
APPEARANCE AND ODOR:	White or tan sand - odorless

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FIRE AND EXPLOSION HAZARDS:	No fire or explosive danger.
FLASH POINT:	N/A
EXTINGUISHING METHOD:	N/A
SPECIAL FIRE FIGHTING PROCEDURE:	None
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

SECTION V REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	None

INCOMPATIBILITY (MATERIAL TO AVOID):

The products listed in Section II react with hydrofluoric acid to generate volatile SiF_4. They are attracted by strong alkalis. They will combine chemically with many metallic oxides upon heating at high temperature.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	None

SECTION VI HEALTH HAZARD DATA

ROUTE(S) OF ENTRY	INHALATION:	Yes
	SKIN:	No
	INGESTION:	No

HEALTH HAZARDS (ACUTE AND CHRONIC):

Health hazards can occur from excessive inhalation of silica dust, otherwise nontoxic. Respirable crystalline silica dust in the lung can produce a pneumoconiosis, commonly called silicosis. Silicosis can range from the simple type (generally no symptoms and normal pulmonary function) to an accelerated or acute type (which may be life-threatening).

CARCINOGENICITY:

NTP: Respirable Crystalline Silica has been listed in the 6th Annual Report on Carcinogens by the NTP.

OSHA Regulated: No

IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (Volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and there is limited evidence of carcinogenicity of crystalline silica to humans.

SECTION VI HEALTH HAZARD DATA (continued)

SIGNS AND SYMPTOMS OF EXPOSURE:
Symptoms of exposure include dyspena (shortness of breath), fibrotic changes (scarring) of the lungs as seen on chest x-rays, and impaired pulmonary function (decreased vital capacity). It may also include cough and sputum production.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
The chronic scarring seen in silicosis can lead to a progressive, massive fibrosis which can be accompanied by increased susceptibility to pulmonary tuberculosis and other respiratory infections. The Surgeon General's Report, "The Health Consequences of Smoking Cancer and Chronic Lung Disease in the Workplace," published in 1985, states in the Summary and Conclusions section, "Silica dust and smoking are major risk factors and appear to be additive in producing chronic bronchitis and chronic airways obstruction. Most studies indicate that the smoking effect is stronger than the silica dust effect, and in the absence of silicosis on roentgenogram, silica exposure alone rarely causes clinically significant chronic airways obstruction."

EMERGENCY AND FIRST AID PROCEDURES: None

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Cleanup with dustless method (use vacuum or wet sweeping). Provide ventilation.

WASTE DISPOSAL METHOD:
Follow state and local regulations for solid waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Use dustless system of storage and handling. Keep well ventilated.

OTHER PRECAUTIONS: Use good housekeeping techniques.

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION:
When the Permissible Exposure Limit (PEL) or the Threshold Limit Value (TLV) is exceeded, on a time weighted average, a respirator program consistent with the standards of the American National Standards Institute (ANSI) Z88.2-1980, the Occupational Safety and Health Administration (OSHA) 29 CFR Part 1910.134 and the Mine Safety and Health Administration 30 CFR Part 56, must be instituted.

VENTILATION:
Engineering controls (e.g. mechanical exhaust) should be in place in order to ensure that the employee exposure to respirable silica dust does not exceed the permissible exposure limits.

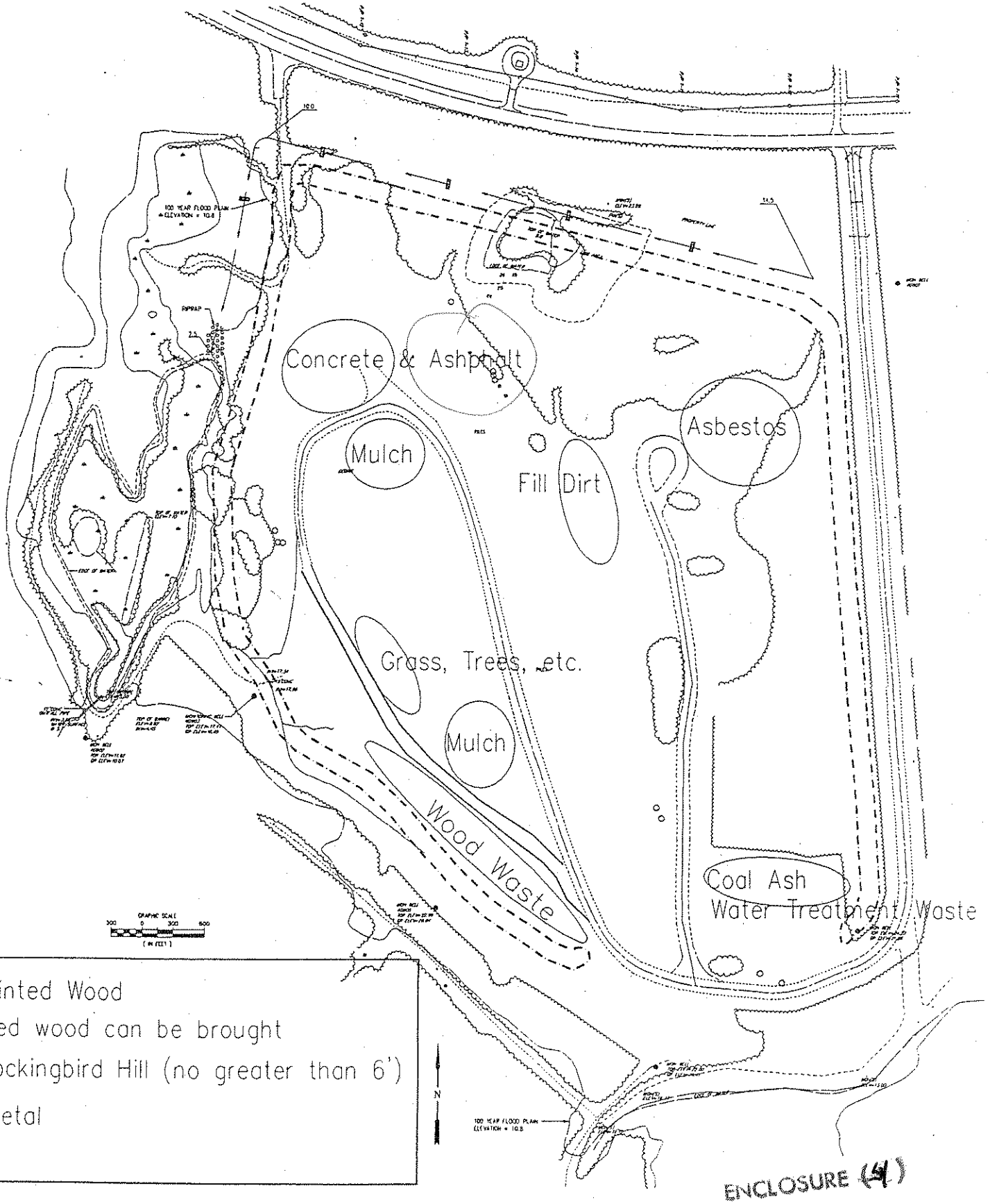
LOCAL EXHAUST:	As appropriate
MECHANICAL (GENERAL):	As appropriate
PROTECTIVE GLOVES:	No
EYE PROTECTION:	Yes
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	None
WORK/HYGIENIC PRACTICES:	Use good housekeeping techniques.

The following chart, taken from NIOSH "Respirator Decision Logic" Publication No. 87-108, specifies the type of respirators which may provide respiratory protection for crystalline silica:

Assigned Protection Factor	Type of Respirator
5	Single use or quarter mask respirator
10	Any air-purifying half-mask respirator including disposable equipped with any type of particulate filter except single use Any air-purifying full facepiece respirator equipped with a hood or helmet and any type of particulate filter Any supplied air respirator equipped with a half-mask and operated in a demand (negative pressure) mode
25	Any powered air purifying respirator equipped with a hood or helmet and any type of particulate filter Any supplied air respirator equipped with a hood or helmet and operated in a continuous flow mode
50	Any air purifying full facepiece respirator equipped with a high efficiency filter Any powered air purifying respirator equipped with a tight fitting facepiece and a high efficiency filter Any supplied air respirator equipped with a full facepiece and operated in a demand (negative pressure) mode Any supplied air respirator equipped with a tight fitting facepiece and operated in a continuous flow mode Any self contained respirator equipped with a full facepiece and operated in demand (negative pressure) mode
1,000	Any supplied air respirator equipped with a half mask and operated in a pressure demand or other positive pressure mode
2000	Any supplied air respirator equipped with a full facepiece and operated in a pressure demand or other positive pressure mode
10000	Any self contained respirator equipped with a full facepiece and operated in a pressure demand or other positive pressure mode Any supplied air respirator equipped with a full facepiece operated in a pressure demand or other positive pressure mode in combination with an auxiliary self contained breathing apparatus operated in a pressure demand or other positive pressure mode

The data in this MSDS relate only to the specific material designated herein and do not relate to use in combination with any other material or in any other process. The information set forth herein is based on technical data that The Morie Company believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents. Any use of these data and information must be determined by the user to be in accordance with federal, state, and local laws and regulations.

Landfill Operating Plan



No Painted Wood

Painted wood can be brought

Mockingbird Hill (no greater than 6')

No metal

ENCLOSURE (4)

ENTRANCE SIGN

LAND CLEARING AND
INERT DEBRIS LANDFILL
PERMIT NXXXXXX

HOURS OF OPERATION

MONDAY, WEDNESDAY, FRIDAY 0730 - 1115
MONDAY, WEDNESDAY 1230 - 1515

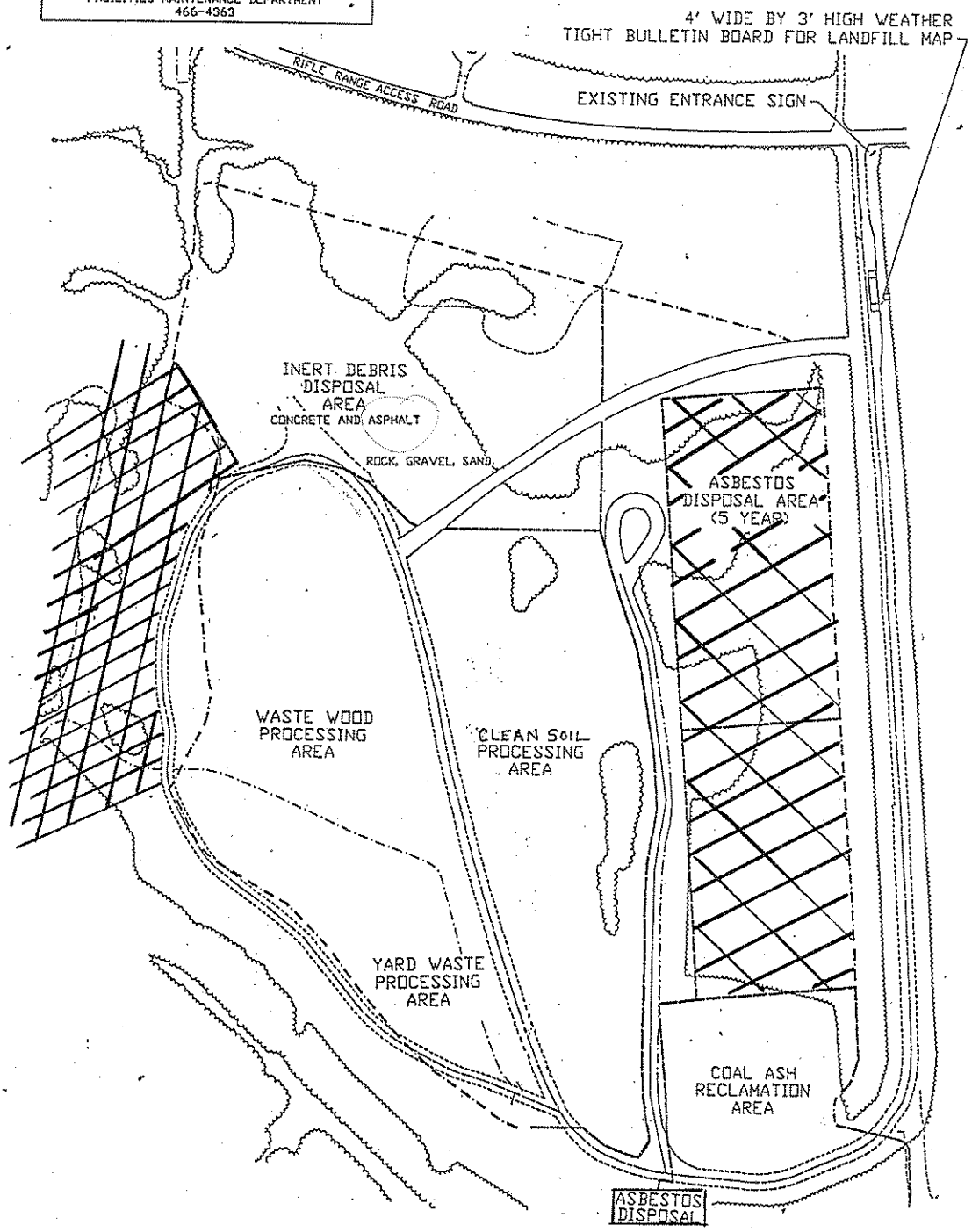
AUTHORIZED MATERIALS

WOOD (NON-TREATED, NON-PAINTED, METAL FREE)
GREEN WASTE (GRASS, TREES, ORGANIC DEBRIS)
CONCRETE AND ASPHALT DEBRIS (METAL FREE)
TOPSOIL, FILL DIRT, ROCK, GRAVEL, SAND

IN CASE OF EMERGENCY CONTACT
FACILITIES MAINTENANCE DEPARTMENT
466-4363

UNAUTHORIZED WASTE

NO TRASH
NO GARBAGE
NO PAINTED WOOD
NO TREATED WOOD
NO METAL
NO FURNITURE
NO APPLIANCES
NO AUTOMOBILE COMPONENTS
NO HAZARDOUS WASTE
NO TOXIC MATERIALS
NO FLAMMABLE MATERIALS



LAND CLEARING AND
INERT DEBRIS LANDFILL

ALL VEHICLES MUST LOG IN AND OUT

DO NOT ENTER/EXIT LANDFILL
WITHOUT CHECKING IN WITH
OPERATOR AND SECURING
WEIGHT TICKET

IF OPERATOR IS NOT PRESENT CONTACT
FACILITIES MAINTENANCE DEPARTMENT
AT 466-3416 FOR INFORMATION

GRAPHIC SCALE
75 0 75 150
(IN FEET)
1 INCH = 150 FT

N

Land Clearing and Inert Debris Landfill Standard Operating File

Received
JUL 2006
Solid Waste
Section

Environmental Affairs Department
MCAS Cherry Point

ENCLOSURE (7)

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I. Overview

Marine Corps Air Station (MCAS) Cherry Point currently operates a Land Clearing and Inert Debris (LCID) Landfill under Permit Number 25-B issued September 23, 1982 by the North Carolina Department of Environment and Natural Resources Division of Waste Management (Appendix A). The landfill serves as the disposal site for military and base operational land clearing, construction, renovation, and demolition activities conducted on board the Air Station by military and civilian operations. Landfill is divided into several areas to allow segregation for recycling and/or reuse of the disposed material (Appendix B)

Responsibilities for the landfill fall into two areas: operational support and environmental compliance. The Facilities Maintenance Department (FMD) oversees operational activities and the Environmental Affairs Department (EAD) oversees environmental compliance. Close interaction between the FMD and EAD is essential to ensure proper and effective operation of the landfill and ensure compliance with state and federal environmental regulations.

Material accepted at the landfill consist of land clearing debris such as tree stumps, limbs, and leaves, inert debris such as concrete, masonry, and soil, and unpainted and untreated wood such as pallets and packing crates. Spiractor sand (byproduct of the Water Treatment Plant water softening process and is silica sand media coated with calcium carbonate and manganese) and coal ash (coal combustion byproducts produced by the Central Heating Plant) are stockpiled at the LCID Landfill for beneficial use.

Due to limited life of the landfill, disposal of debris resulting from contractor activities such as demolition, construction, and renovation projects is not permitted in the LCID Landfill. Unless specifically authorized, by EAD in the project contract, contractor debris is required to be removed from the Air Station for proper disposal or recycling.

Disposal activities are controlled and monitored by a landfill operator who is authorized to refuse the load should it contain any unauthorized material. Disposal of unauthorized material is a violation of the permit conditions and can result in regulatory action.

II. Detailed Operations

FMD is responsible for the overall operation of the LCID Landfill. The EAD provides technical guidance and is responsible for ensuring the LCID landfill is compliant with federal and state environmental regulations (Appendix C, D, and E). Disposal of material at the LCID Landfill is closed to the general public: military and civilian personal may salvage wood from the LCID Landfill by Chit (Appendix F).

The LCID Landfill normal operating hours are Monday – Thursday from 0730-1115 and 1230 - 1600. An operator is onsite during these times. Access gate will be secured in the absence of the operator. The operator's primary responsibilities include visually

inspecting waste materials, weighing vehicles in and out, maintaining the LCID Activity Log, and ensuring waste are placed in designated areas. The landfill operator can be contacted at 466-6785. The following personnel should be contacted if necessary.

Department	Name	Phone #
Facilities Maintenance Department	Wayne Lawrence	466-4495
Environmental Affairs Department	Alicia Filzen	466-5391
LCID Landfill Operator		466-6785

III. Acceptable Wastes

The following wastes are acceptable at the LCID landfill: untreated/unpainted wood waste, land clearing waste, soil, Government employees and military personnel are required to present a completed Landfill Chit, Land Clearing and Inert Debris when attempting to deposit concrete and soil. Government contractors depositing wastes at the LCID must have the Landfill Chit, Land Clearing and Inert Debris signed by an EAD Representative (Appendix G). LCID Landfill operator should direct contractors without signed Landfill Chit, Land Clearing and Inert Debris to the Environmental Affairs Department.

Untreated/Unpainted Wood Waste - Used wood pallets and shipping crates comprise the majority of wood collected. The wood must contain no metal (other then nails used for assembly of the pallet), and must be untreated and unpainted. The LCID has an area dedicated to the collection of wood. Untreated/unpainted wood products are deposited in this assigned area.

Wood can be deposited in designated "wood only" dumpsters located throughout the base for transport to the LCID Landfill. The landfill operator will ensure that the wood is acceptable. Wood not permitted for disposal in the LCID is to be taken to the municipal solid waste transfer station located at Mockingbird Hill for proper disposal. The FMD utilizes a bulldozer to compact wood waste on an as-needed basis. MCAS Cherry Point contracts with a contractor to chip the wood on an as needed basis. The chipped wood is utilized for energy at a approved permitted facility and/or used as ground cover.

Land Clearing Waste - This includes stumps, trees, limbs, brush, grass, yard debris, and other naturally occurring vegetative material. All land clearing waste is to be placed in the designated wood waste section of the LCID. These items will be chipped with other wood waste.

Concrete, brick, concrete block, uncontaminated soil, gravel and rock from construction projects may be disposed at the LCID. These items need to be separated

when disposed of in the inert debris section of the landfill for future beneficial fill/use. Rebar must cut flush with the concrete prior to disposal.

Used asphalt – This includes used asphalt or used asphalt mixed with dirt, sand, gravel, rock, and concrete. Used asphalt must be segregated from other inert debris for future recycling.

Soil - Uncontaminated soil suitable for structural fill will be set aside in the designated area for later reuse and may be utilized as cover material.

IV. Materials Managed at the LCID

Coal Combustion Byproducts – This material is produced by the installation's Central Heating Plant. The ash is staged at the landfill for future recycling and/or beneficial fill; therefore, mixing of other waste with the coal ash is prohibited.

Asbestos – A closed top container is staged at the landfill for use by trained Station and Contractor personnel for disposal of asbestos material. The asbestos material deposited in the container is disposed of off station at an appropriate disposal facility as needed. Prior to disposal the Asbestos chit must be completed. (Appendix H)

Spiractor Sand - The water treatment plant aboard MCAS Cherry Point produces sand media coated with calcium carbonate and manganese (spiractor sand) in its water softening process. This material has been determined by laboratory analysis to be inert and poses no risks to personnel; it is used as cover material.

V. Emergency Contingency Plan

MCAS Cherry Point is equipped with its own fire fighting and emergency response capability located aboard the Air Station. In case of a fire or spill call 911. Personnel will follow the guidelines established by Air Station Order 5090.7 (Appendix E) for spill response.

Appendix A

Permit 25-B

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

Ro

September 23, 1982

Commanding General
U. S. Marine Corps
Marine Corps Air Station
Cherry Point, NC 28533

Re: Demolition Landfill at Cherry Point MCAS

Dear Sir:

The enclosed plan is approved in accordance with G.S. 130-166. Permit Number 25-B is issued under conditions provided for on the permit.

Please note the conditions of the permit (see attached).

If you have any questions, please advise.

Respectfully,

J. Gordon Layton

J. Gordon Layton, Environmental Engineer
Solid & Hazardous Waste Management Branch
Environmental Health Section

JGL:ns
Enclosure
cc: Fred J. Wood
Terry F. Dover
Becky Herbig

PERMIT NO. 25-B

DATE ISSUED 9/23/82

STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
Division of Health Services
P.O. Box 2091 Raleigh 27602

SOLID WASTE PERMIT

CHERRY POINT, MCAS is hereby issued a permit to operate a DEMOLITION LANDFILL located ON BASE, in accordance with Article 13B of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located on the below described property.

This description is based on the North Carolina Grid Coordinate System.

BEGINNING at coordinates 432,643.35 / 2,631,836.92
thence S 04° 52' 34" E 1060',
thence S 85° 07' 26" W 290.00',
thence N 82° 57' 34" W 378.00',
thence N 51° 27' 34" W 590.00',
thence N 01° 35' E 295.00',
thence N 58° 05' 25" E 623.33',
thence S 85° 07' 26" W 500.00' to the beginning.

O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

DHS Form 2871 (Rev. 1/82)
Solid & Hazardous Waste Management Branch

PERMIT NO. 25-B

DATE ISSUED 9/23/82

SOLID WASTE PERMIT

Conditions of Permit:

1. This permit may be subject to review at an administrative hearing upon petition of anyone whose legal rights, privileges, and duties may have been affected by the issuance thereof.

2. This permit shall not be effective unless the certified copy is filed in the register of deeds' office, in the grantor index under the name of the owner of the land in the county or counties in which the land is located.

3. The "Certification of Recordation of Solid Waste Permit" returned to the Solid and Hazardous Waste Management Branch.

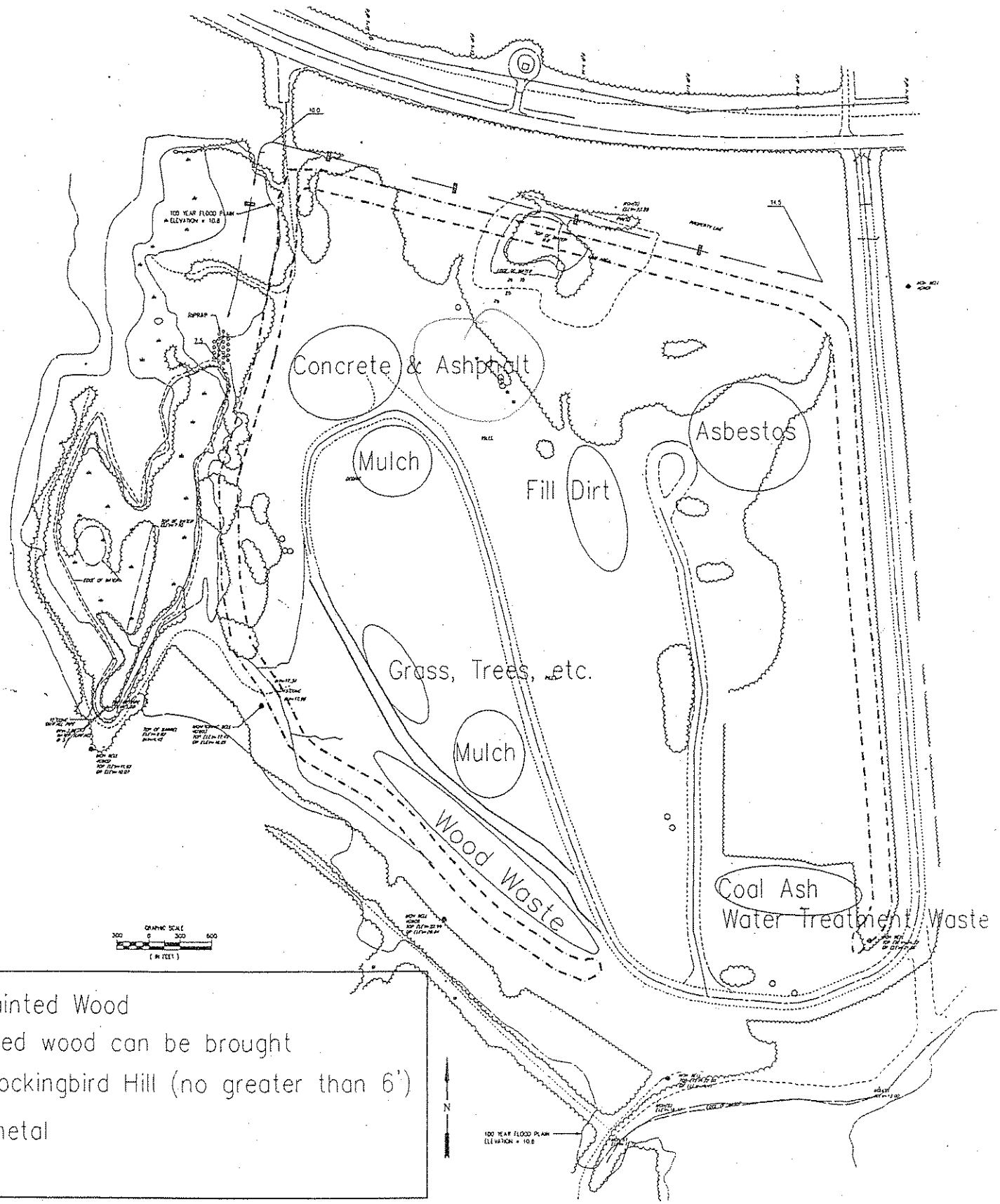
4. This solid waste disposal site is permitted to receive stumps, limbs, leaves, concrete, masonry, wood, and uncontaminated earth.

5. This permit is for construction according to plans prepared by McDowell-Jones, P.A. dated June 3, 1982. Any modification or deviation from the approved plans shall be approved by the North Carolina Solid and Hazardous Waste Management Branch.

Appendix B

Planning Map

Landfill Operating Plan



No Painted Wood

Painted wood can be brought

Mockingbird Hill (no greater than 6')

No metal

ENTRANCE SIGN

LAND CLEARING AND
INERT DEBRIS LANDFILL
PERMIT #XXXXXX

HOURS OF OPERATION

MONDAY, WEDNESDAY, FRIDAY 0730 - 1115
MONDAY, WEDNESDAY 1230 - 1515

AUTHORIZED MATERIALS

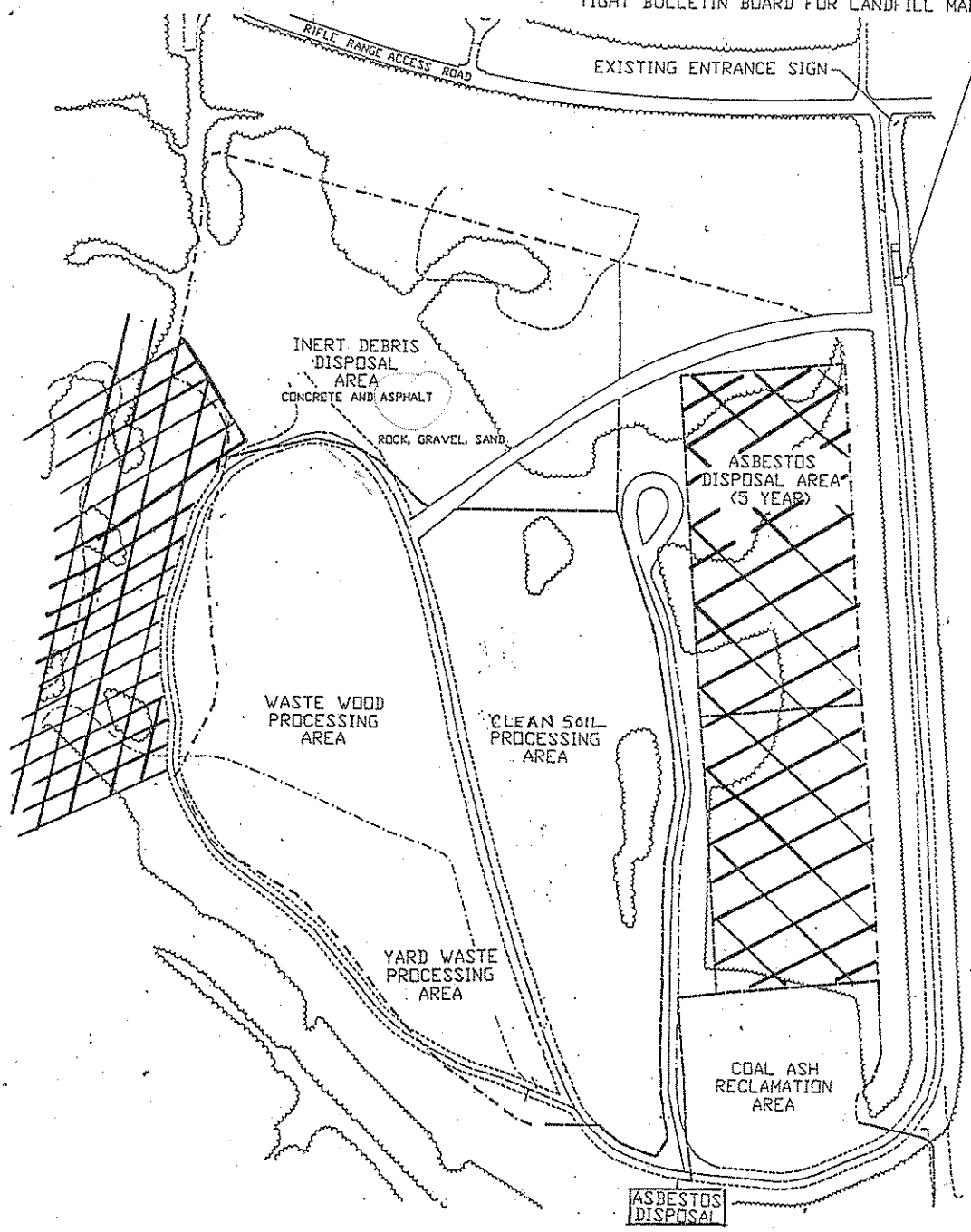
WOOD (NON-TREATED, NON-PAINTED, METAL FREE)
GREEN WASTE (GRASS, TREES, ORGANIC DEBRIS)
CONCRETE AND ASPHALT DEBRIS (METAL FREE)
TOPSOIL, FILL DIRT, ROCK, GRAVEL, SAND

IN CASE OF EMERGENCY CONTACT
FACILITIES MAINTENANCE DEPARTMENT
466-4363

UNAUTHORIZED WASTE

NO TRASH
NO GARBAGE
NO PAINTED WOOD
NO TREATED WOOD
NO METAL
NO FURNITURE
NO APPLIANCES
NO AUTOMOBILE COMPONENTS
NO HAZARDOUS WASTE
NO TOXIC MATERIALS
NO FLAMMABLE MATERIALS

4' WIDE BY 3' HIGH WEATHER
TIGHT BULLETIN BOARD FOR LANDFILL MAP



LAND CLEARING AND
INERT DEBRIS LANDFILL

ALL VEHICLES MUST LOG IN AND OUT

DO NOT ENTER/EXIT LANDFILL
WITHOUT CHECKING IN WITH
OPERATOR AND SECURING
WEIGHT TICKET

IF OPERATOR IS NOT PRESENT CONTACT
FACILITIES MAINTENANCE DEPARTMENT
AT 466-3416 FOR INFORMATION

GRAPHIC SCALE
75 0 75 150
(IN FEET)
1 INCH = 150 FT

N

Appendix C

ASO 5090.12 Salvage of Inert Debris

UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
PSC BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

AirStaO 5090.12
LN
30 NOV 2005

Air Station Order 5090.12

From: Commanding General, Marine Corps Air Station, Cherry Point
To: Distribution List

Subj: SALVAGE OF INERT DEBRIS

Encl: (1) Inert Debris Salvage and Removal Form

1. Situation. This order establishes procedures for the reuse of salvageable material disposed of at the Land Clearing and Inert Debris (LCID)Landfill.

2. Cancellation. AirStaO 4570.3A

3. Mission. To establish local policy and procedures for the reuse, recycling and reduction of wood, land clearing waste, and inert debris in accordance with applicable state and federal solid waste regulations.

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. To properly manage the collection, segregation and disposal of wood, land clearing and inert debris and to allow the recycling and reuse by military and civilian personnel in accordance with applicable state and federal solid waste regulations.

(2) Concept of Operations

(a) The Land Clearing and Inert Debris Landfill, located adjacent to Runway 14L off of Access Road, is a facility permitted by the North Carolina State Department of Environment and Natural Resources (permit #25-B) to accept inert/non-reactive material. The LCID landfill is open Monday through Friday (0715 - 1100 and 1245 - 1530) except holidays. Exception: When Combat Aircraft Loading Area (CALA) is being utilized for ordnance handling involving Hazard Class Division (H/C/D) 1.1 & 1.2 explosives, an Explosive Quantity Distance (ESQD) Arc of 1250 feet must be established. No operations or personnel will be allowed within the arc during HC/D 1.1 or 1.2 explosives evolutions. Air Operations/Safety will notify the landfill to shut down until ordnance-handling evolutions are terminated, at which time the landfill will reopen.

(b) Materials that can be reused or recycled at the LCID landfill are as follows:

1 Land clearing mulch from stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material.

2 Inert debris (concrete, brick, concrete block, uncontaminated soil, gravel and rock, untreated and unpainted wood, and yard debris).

(c) The Facilities Maintenance Department is responsible for daily operations of the landfill and maintenance, repair, and upkeep of the scales. The landfill operator can be contacted at 466-6785. A maintenance operator is present at the landfill's weight scales during hours of operation. During non-operational hours the access gate will be secured to prevent entrance into the LCID Landfill. The operator's duties include:

1 Inspecting waste to ensure that the inert debris is acceptable for disposal at the LCID Landfill.

2 Weighing and recording descriptions of all inert debris deposited in and removed from the landfill.

3 Ensuring that inert debris is placed in designated areas.

4 Ensuring that personnel are authorized to remove inert debris from the landfill for reuse.

(d) The Environmental Affairs Department is responsible for permitting, reporting and compliance oversight of the LCID operations.

(e) Personnel wanting to remove inert debris from the LCID Landfill must complete the Inert Debris Salvage and Removal Form (enclosure 1). Forms are available at the Environmental Affairs Department, Bldg 4223, and must be renewed annually.

5. Administration and Logistics The CG 2d MAW; CO's, NAVAIRDEPOT, NAVHOSP, CSSD-21, 12th Dental and DRMO concur with the contents of this Order insofar as it pertains to members of their command.

6. Command and Signal

a. signal. This order is effective the date signed.

b. Command. This order is applicable to the Marine Corps Reserve.

C. G. HUGHES II
Chief of Staff

DISTRIBUTION: A

INERT DEBRIS SALVAGE AND REMOVAL (5090) MCAS CHPT 0100 (REV 11-05)(EF)	**THIS FORM WILL BE TURNED OVER TO THE LANDFILL OPERATOR BEFORE ENTERING THE LANDFILL.**

INERT DEBRIS SALVAGE AND REMOVAL FORM
Marine Corps Air Station Cherry Point, North Carolina

1. You are hereby authorized to collect inert debris (wood, mulch, concrete, and bricks) from the Air Station Land Clearing and Inert Debris (LCID) Landfill. This authorization is being granted gratuitously by the U.S. Government and can be revoked at any time. By your signature below you acknowledge and agree to the terms of this authorization.

2. The landfill is fully operational and inherently dangerous to those who enter the premises. Anyone entering the premises assumes all risk of personal injury and property damage, including, but not limited to, severe injury or death resulting from or during collection of materials from the landfill.

3. You agree to release and hold harmless the United States Government, including the United States Marine Corps and its officers, employees, agents, personnel, successors and assigns, from any and all claims, damages, liabilities, losses, injuries, deaths, and costs and expenses including attorney's fees, and costs of suits arising out of or claimed on account of the granting of access to the MCAS Cherry Point landfill and the materials thereby provided by the United States Government. You agree that this release also binds your family, heirs, assigns, administrator, and executor.

4. All persons must provide full legal name and signature. Children under 18 years of age are not authorized to enter the Landfill.

5. To facilitate future scrap wood collection and removal efforts, you have the option to be added to an Authorized User List (AUL). Inclusion on the AUL will eliminate the need for a Scrap Wood Collection and Removal Form each time you enter the landfill for scrap wood collection and removal. The AUL will be valid for one calendar year at which time a new Inert Debris Salvage and Removal Form will need to be completed and signed. The government reserves the right to remove a name from the AUL or discontinue the AUL at any time. Inclusion is entirely voluntary.

_____ **Initial here if you wish to be added to the Authorized User List.** By initialing, you acknowledge that the waivers set forth in this document will remain in effect for any and all visits made to the Air Station Land Clearing and Inert Debris (LCID) Landfill. Please note that there will be a time lag between submittal of this form and addition to the AUL.

6. By your signature below, you agree to the terms of the Inert Debris Salvage and Removal Form.

PRINT NAME:	LEGAL SIGNATURE:	DATE:

Hours of Operation are subject to change without notice *as personnel availability and mission requirements dictate. Personnel will depart when instructed to do so by the landfill operator and will not remain on the premises while the landfill operator is not on site. Personnel will be prepared to depart at least 15 minutes prior to closing time. Personnel will NOT be allowed entry into the landfill after Salvaging Hours (posted below). Landfill phone number is (252) 466-6785.*

Salvaging Hours:	**Monday through Friday:**	**0715 to 1100 and 1245 to 1530**
	Saturday, Sunday & Holidays:	**Closed**

Designed Using MSWord MCAS CHPT/ADJ, Nov 05

Appendix D

ASO 5090.13 Solid Waste Disposal

UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
POSTAL SERVICE CENTER BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

AirStaO 5090.13
LN
6 Oct 04

AIR STATION ORDER 5090.13

From: Commanding General, Marine Corps Air Station, Cherry Point
To: Distribution List

Subj: SOLID WASTE DISPOSAL

Ref: (a) ABO 4570.2E
(b) AirStaO P11101.18B
(c) AirStaO P5100.8A
(d) AirStaO 5090.5A
(e) MCO P5090.2A
(f) AirStaO 5090.2
(g) Executive Order 13101
(h) NAVMED P-5010-CH8 (NOTAL)
(i) BUMEDINST 6280.1A
(j) AirStaO 4100.1F
(k) AirStaO 4570.3A

1. Situation. To publish instructions pertaining to the proper disposal of municipal solid waste (MSW), painted/treated wood, land clearing waste, and inert debris.

2. Cancellation. AirStaO 11350.1B.

3. Mission. This Order establishes procedures and implements regulatory requirements for the separation, collection and proper disposal of solid waste at the Transfer Station and the Land Clearing and Inert Debris (LCID) landfill.

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. To properly manage the collection, transfer, and disposal of municipal solid waste, painted/treated wood, land clearing waste, and inert debris in accordance with applicable state and federal solid waste regulations.

(a) The Transfer Station is located at the base of Mockingbird Hill.

(b) The LCID landfill is located adjacent to Runway 14 off of Access Road.

(c) MSW pick-up and disposal at Marine Corps Outlying Landing Field (MCOLF), Atlantic and disposal of MSW at Marine Corps Auxiliary Landing Field (MCALF), Bogue is accomplished by Station personnel. Pick-up and disposal of painted/treated wood at Bogue Field is currently handled by contract.

(d) Materials Recovery Facility (MRF) is located off of Access Road.

(2) Concept of Operations

(a) Transfer Station

1 On-Station family housing MSW is emptied by Facilities Maintenance Department (FMD) and hauled to the Transfer Station, which is open Monday through Friday (0730 - 1615) except holidays. The MSW is then transferred to a contractor-operated system for subsequent disposal at an approved off-Station site.

2 Materials that can be deposited at the Transfer Station are:

a MSW, which includes, but is not limited to, garbage and other common waste items such as kitchen garbage, paper products, food containers, old clothing, etc.

b Painted/treated wood (to be deposited in the separate painted/treated wood roll-off).

3 The Transfer Station operator has the authority and responsibility to refuse to accept any material that either poses a safety hazard to contractor personnel or violates state landfill regulations. Examples of unacceptable materials are:

a White goods (refrigerators, AC units, stoves, etc.)

b Used oil

c Lead-acid batteries

d Tires

e Scrap metal (metal drums, vehicle components, etc.)

f Large quantities of yard waste

g Asbestos

h Sludges

i Hazardous waste as defined by the Environmental Protection Agency (EPA) and the State of North Carolina

j Liquids

k Medical waste

l Demolition waste

m Pallets, untreated/unpainted wood

(b) LCID Landfill. This is a State regulated LCID landfill operated by FMD.

1 Family housing occupants, Station activities, and military units can deliver land clearing and inert debris to the LCID landfill for disposal.

2 The LCID landfill is open Monday through Friday (0715 - 1100 and 1245 - 1530) except holidays. Exception: When Combat Aircraft Loading Area (CALA) is being utilized for ordnance handling involving Hazard Class Division (H/C/D) 1.1 & 1.2 explosives, an Explosive Quantity Distance (ESQD) Arc of 1250 feet must be established to ensure that personnel safely transit the landfill. No operations or personnel will be allowed within the arc during HC/D 1.1 or 1.2 explosives evolutions. Air Operation/Safety will notify the landfill to shut down within the ESQD until ordnance-handling evolutions are terminated, at which time the overall landfill will reopen.

3 Materials that can be disposed at the LCID landfill are as follows:

a Land clearing waste (stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material).

b Inert debris (concrete, brick, concrete block, uncontaminated soil, gravel and rock, untreated and unpainted wood, and yard debris).

c Used asphalt (used asphalt or used asphalt mixed with dirt, sand, gravel, rock, and concrete).

4 Materials that are not disposed of at the LCID landfill but are accepted/managed at the landfill are as follows:

a Coal ash. Coal ash is staged at the landfill for future use.

b Asbestos. An asbestos roll-off is staged at the landfill for use by trained station and contractor personnel in accordance with current federal and state regulations. Environmental Affairs Department (EAD) shall approve asbestos disposal, with completed paperwork. The asbestos materials will be bagged and deposited in the roll-off for disposal at an appropriate off-station disposal facility.

5 The LCID landfill operator has the authority and responsibility to refuse acceptance of any material that violates state LCID landfill regulations. Examples of unacceptable materials are:

a Painted/treated wood

b Packing materials (foam, bubble wrap, paper, plastic peanuts, etc.)

c Flammable materials

d Scrap metal, appliances, vehicles components, aircraft components, metal products, etc.

e Toxic substances

f Liquids and sludges

g Hazardous waste

(c) Taskings

1 Station activities and military units with nearby dumpsters shall only deposit materials acceptable at the Transfer Station. Further, Station activities and military units will ensure that housekeeping around their nearby dumpsters is performed frequently enough to maintain these areas clean of solid waste. If a dumpster is full and needs to be emptied, call the FMD Work Service Desk at 466-4364.

2 Station activities and military units will deliver their own appliances, vehicles, furniture, and large components for disposal directly to the Defense Reutilization and Marketing Office (DRMO) as per reference (a). Family housing occupants, having such items for disposal, will follow the guidance for special trash pickup contained in reference (b).

3 All personnel working or living on the Air Station will dispose of flammables, toxic substances, liquids, sludges, asbestos, and hazardous wastes in accordance with references (c), (d) and (e).

4 Station activities and military units will ensure proper segregation and conservation of recyclable materials, which are readily identifiable. Questions concerning the proper disposition of such material should be directed to the Environmental Affairs Department's Qualified Recycling Program (QRP) manager. Special containers have been located in designated locations throughout the Station by the QRP program and specific guidance regarding the collection and disposition of recyclable material is contained in references (e), (f), and (g).

5 The Naval Hospital Preventive Medicine Department will inspect the Transfer Station for sanitation and vector control as required in reference (h).

6 The Naval Hospital Infectious Waste Department will ensure compliance with state and federal regulations in the packaging, labeling, storage and disposal of medical waste in accordance with reference (i).

7 All personnel working on the Air Station will conserve, use, and control wooden pallets in accordance with references (j) and (k).

8 The Resident Officer in Charge of Construction (ROICC) will inspect and ensure that contractors on the Air Station comply with all state and federal solid waste regulations in accordance with references (a), (d), (e), and (f).

9 Commanding Officers, department/section heads, and officers in charge will ensure strict compliance with the contents of this Order.

5. Administration and Logistics. The CG, 2d MAW, CO'S, NADEP, NAVHOSP, CSSD-21, 12th Dental and DRMO concur with the contents of this Order insofar as it pertains to members of their command.

6. Command and Signal

a. Signal. This Order is effective the date signed.

b. Command. This Order applies to personnel working or living in areas where dumpsters are utilized for disposal of MSW with guidelines for personnel living in family housing areas covered in reference (b).

PAUL J. PISANO
Chief of Staff

DISTRIBUTION: A

Appendix E

ASO 5090.7 Oils and Hazardous Substance Spill and Prevention

UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
POSTAL SERVICE CENTER BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

AirStaO 5090.7
LN
21 Feb 2006

AIR STATION ORDER 5090.7

From: Commanding General
To: Distribution List

Subj: OILS AND HAZARDOUS SUBSTANCES (OHS) SPILL PREVENTION AND CONTINGENCY

Ref: (a) MCAS Cherry Point Integrated Contingency Plan, June 2003
(b) AirStaO P5100.8A
(c) AirStaO 5090.5A

Encl: (1) Secondary Containment Standard Operating Procedures and Inspection Requirements
(2) Emergency Notification and Response Procedures
(3) Primary OHS Spill Responders - OHS Spill Prevention and Contingency Roles and Responsibilities
(4) Secondary OHS Spill Responders - OHS Spill Prevention and Contingency Roles and Responsibilities

Reports required: See enclosures (1) and (2).

1. Situation. This order establishes spill prevention, control and response procedures for oils and hazardous substances aboard MCAS Cherry Point and outlying fields.

2. Cancellation. AirStaO 11010.1E.

3. Mission. To establish local policy and procedures for the management of OHS spill prevention and response.

4. Execution.

a. Commander's Intent and Concept of Operations

(1) Commander's Intent

(a) Follow the intent of the spill prevention and spill response information contained within the MCAS Cherry Point Integrated Contingency Plan (ICP) (reference a) and this order.

(b) Be conscious of the potential for spills and take precautionary measures during the handling, transfer, or storage of OHS to reduce the threat of a spill of OHS into the environment.

(c) Should a spill occur, take the appropriate actions for notification, response, and cleanup to protect MCAS Cherry Point's assets and the environment.

(d) Properly maintain and operate equipment that uses or contains OHS to prevent spills.

(2) Concept of Operations

(a) The Environmental Affairs Department (EAD) will maintain and keep current the ICP for spill prevention and spill response planning and action. The EAD will provide consultation and support for OHS spill prevention and contingency consistent with the ICP.

(b) Secondary containment (portable or permanent berms, dikes, drip pans, etc.) shall be used during all OHS transfers and where OHS are stored. Operators of secondary containment devices shall follow the standard operational procedure and inspection requirements for secondary containments provided in enclosure (1).

(c) Should a spill occur or be identified, follow the emergency notification and response procedures detailed in enclosure (2). ALL OHS SPILLS, REGARDLESS OF QUANTITY OR LOCATION, REQUIRE NOTIFICATION. OHS spills identified aboard the Air Station or outlying fields (excluding petroleum spills on the MCAS flightline and at MCALF Bogue) shall be immediately reported to the MCAS Cherry Point Fire Department by calling 911 from any Air Station telephone or by calling (252) 466-3333. Petroleum spills occurring on the Air Station's flightline and aircraft operating areas shall be immediately reported to MCAS Cherry Point Crash Fire Rescue (CFR) at 466-2420. Petroleum spills at MCALF Bogue shall be immediately reported to the MCALF Bogue CFR at (252) 466-0662.

(d) Written spill reports shall be prepared for spills as described in enclosure (2). Completion of a written spill report is required for all hazardous substance spills, regardless of quantity or location, and all petroleum spills into the environment. A written report is not required for petroleum spills less than 1 gallon on concrete.

(e) ALL OHS SPILLS REQUIRE CLEANUP. The primary OHS spill responders will address all OHS spills.

Secondary OHS spill responders will assist in spill response and cleanup. Personal safety is top priority during spill response and cleanup for all responders.

1 Primary OHS spill responders include the MCAS Cherry Point Fire Department, the MCAS Cherry Point CFR, and the MCALF Bogue CFR. These organizations have been designated the On-Scene Commander by the Installation Commander and will serve as primary OHS spill responders. Primary OHS spill responder roles and responsibilities are detailed in enclosure (3). A primary OHS spill responder will address all OHS spills aboard MCAS Cherry Point and outlying fields. Primary OHS spill responders will utilize secondary OHS spill responders to accomplish spill response and cleanup. The primary responder will maintain control and direction of all spill response and cleanup activities until their decision that the immediate threat to human life and the emergency condition are abated. Control can then be transferred to the appropriate secondary OHS spill responder for subsequent action.

2 Secondary OHS spill responders include shop/unit personnel trained to handle OHS and OHS spill cleanup, the Facilities Maintenance Department (FMD) Spill Response Team, the Naval Air Depot (NAVAIRDEPOT) Spill Response Team, and the Open-Water Spill Response Team. Secondary responders will be utilized for the appropriate, spill specific, situation by the primary OHS spill responder based on the secondary responder's capabilities and responsibilities detailed in enclosure (4).

(f) All equipment that uses or contains OHS shall be properly maintained and operated following the manufacturer's recommendations and procedures in order to prevent spills.

b. Subordinate Element Missions

(1) Comply with the intent of the enclosures, references, and content of this Order.

(2) Hazardous material, hazardous substances, and hazardous wastes shall be stored, handled, and disposed of following the procedures outlined in references (b) and (c) in effort to reduce the likelihood of a spill.

(3) The Naval Air Depot shall comply with the intent of this order but is exempt from the record management and form use requirements as long as they remain ISO 14001 certified and ensure their internal record management requirements and forms, at a minimum, document the same information required by this order.

5. Records Disposition Instruction. Units shall maintain copies of their secondary containment inspection records and spill reports within their Environmental Management Operating File. These records should be kept for 5 years, after which they may be destroyed.

6. Violations. The intentional discharge or negligent release of any OHS into the environment is a violation of this Order and Federal and State (NC) laws. The Installation Commander, as well as individuals, may be held personally liable for such violations. Individuals responsible for violations may be subject to civil and/or criminal penalties including fines and/or jail sentences.

8. Command and Signal.

a. Signal. This order is effective the date signed.

b. Command. This order is applicable to all organizations and tenant commands aboard Marine Corps Air Station Cherry Point and the Outlying Fields.

Charles G. Hughes II

C. G. HUGHES II
Chief of Staff

DISTRIBUTION: A

Secondary Containment Standard Operating Procedure and Inspection Requirements

Secondary containment devices are used to prevent the spread or release of oils and hazardous substances (OHS) to the environment. Secondary containment devices may be drip pans, over-pack drums, portable berms, dikes, concrete pads and berms, or any other device set in place for potential spill containment. Secondary containment devices shall be used wherever OHS are transferred or stored.

EQUIPMENT IN CONTAINMENT

Secondary containment devices shall be used for mobile equipment like generators, mobile lighting units, portable pumps, etc. (excluding vehicles) containing OHS to protect areas where they are operated or stored when it is practical to do so. Same equipment located near surface waters or drainage pathways leading to surface waters are required to be placed within permanent secondary containment devices or, if practical, relocated away from pathways leading to surface waters.

Secondary containment is required for all OHS storage containers (tanks, drums, tank trucks). Temporary OHS storage containers may use temporary secondary containment devices like over-pack drums or portable berms. All other OHS storage containers must use permanent secondary containment devices.

CONTAINMENT INSPECTIONS

Operating Units shall systematically inspect all secondary containment devices. Inspection includes a visual observation of the containment device for integrity and content and observation of the equipment or storage container condition within the containment for leaks. Secondary containment device drainage valves shall be inspected to ensure they are closed. Drain valves shall remain closed except when draining rainwater from the containment. Rainwater drainage is discussed below.

Permanent secondary containment structures, like concrete pads or berms, require monthly documented inspection using the attached inspection form. Notable inspection features are the drain valve condition and orientation, cracks in the containment, and evidence of spills. Drain valves should be in good working condition, orientated in the closed position, and locked. Cracks in the containment should be noted during inspection since the integrity of the containment may be compromised.

All repairs, to either the containment berm or the drain valve, should be routed through the Facilities Maintenance Department (FMD) via a work order. Work orders should be submitted to the work order desk at 466-4364. A work order number and submittal date should be included on the inspection form identifying the need for repair.

Evidence of spills within secondary containment should be cleaned up as soon as possible to limit possible exposure and to prevent contamination of future rainwater that may accumulate within the containment (requiring special drainage/disposal). After spill cleanup, corrective action should be taken to prevent future spillage from the equipment or storage container.

RAINWATER DRAINAGE

Before a portable or permanent secondary containment device can be drained of rainwater, a visual observation for the presence of OHS is required. When inspecting for petroleum products, a sheen (rainbow colors on the water surface) is a good indication of a spill. Hazardous substances (HS) may mix with rainwater and can be harder to detect. Noticeable drips and leaks or discoloration of the rainwater similar to the HS are good indications of a HS spill within the containment.

Rainwater cannot be drained into the environment from secondary containment devices if an OHS spill has occurred within the containment. OHS and contaminated rainwater within these secondary containments require proper disposal.

If you suspect that an OHS spill has occurred within your secondary containment and has contaminated rainwater, you must submit a work order to the FMD requesting disposal. FMD will pump the containment free of any residual or spilled OHS and the contaminated rainwater. Rainwater that has not been contaminated by OHS can be drained from secondary containments using a drain valve, pump, etc. Completion of the attached secondary containment inspection form is required when draining permanent secondary containment devices (dike, concrete berm or pad, etc.). If FMD pumps the secondary containment, note on the inspection form the FMD work order number and the date that the containment was pumped.

RECORD KEEPING

Units who use material and/or operate equipment within a secondary containment device should maintain, within their Environmental Management Operating File, copies of their secondary containment inspection forms. Copies of the secondary containment records should be forwarded to the EAD monthly.

Secondary Containment Inspection Form
(submit copy to EAD by the 5th of each month)

Inspection Month: _____

Unit/Responsible Activity: _____ Phone: _____
Building/Structure Number: _____

****

DRAINAGE INSPECTION (required per event)
...this form can accommodate 5 drainage events. Use additional forms as needed.

Date:	__/__/___	__/__/___	__/__/___	__/__/___	__/__/___
Time:	_____	_____	_____	_____	_____
Evidence of a spill:	_Y_____N_	_Y_____N_	_Y_____N_	_Y_____N_	_Y_____N_
Rainwater Drained:	_Y_____N_	_Y_____N_	_Y_____N_	_Y_____N_	_Y_____N_
Drainage Secure:	_Y_____N_	_Y_____N_	_Y_____N_	_Y_____N_	_Y_____N_
Inspector's Initials:	_____	_____	_____	_____	_____

Comments:

_____
_____
_____
_____

FMD (466-4364) Work Order#: _____

****

CONTAINMENT INSPECTION (required monthly)

	SAT	UNSAT
Containment Device: (dike, concrete berm or pad, etc.)		
Compromised Structure (cracks through containment):	☐ no	☐ yes
Evidence of spills (surface sheens, odors, stains):	☐ no	☐ yes
Unnecessary debris within the containment:	☐ no	☐ yes
Drainage: (valves, pumps, etc.)		
Good Working Order (mechanical operation):	☐ yes	☐ no
Oriented in the closed position:	☐ yes	☐ no
Locked (secured with a lock or locked enclosure):	☐ yes	☐ no

If "UNSAT" for any, explain: (include maintenance request)

_____
_____
_____
_____
_____

FMD (466-4364) Work Order#: _____

ENCLOSURE (1)

EMERGENCY NOTIFICATION AND RESPONSE PROCEDURES

Any individual causing or discovering an oil or hazardous substance (OHS) spill, or a situation that may lead to a spill of OHS, will immediately take the actions outlined below.

*If you are **certain** that it is **safe** to do so, take steps to control (stop the source, shut off valves, upright the spilling container, etc.) and/or contain (apply sorbent materials, block drains, etc.) the spill.

The sequence of the following actions will depend on the site and situation specific conditions.

EVACUATE area to a safe distance upwind and upgrade from the spill.

PASS THE WORD to people in adjacent spaces.

INFORM your supervisor or the supervisor of the nearest facility.

REPORT spill immediately to:
MCAS Cherry Point Fire Dept, **DIAL 911 or (252) 466-3333**
(excluding petroleum spills on flightline or at MCALF Bogue)
MCAS Cherry Point CFR, **DIAL 466-2420**
(for flightline petroleum spills)
MCALF Bogue CFR, **DIAL (252) 466-0662**
(for petroleum spills at MCALF Bogue)

WHENEVER POSSIBLE give the following information or that which can reasonably be determined. **DO NOT** wait until **ALL** information on the spill is available to report.

- Your name and telephone number
- Location of the spill (Building Number or Shop Code)
- Number and type of injuries
- Identify the type and estimate amount of the spilled material
- Source of spill (e.g., container, equipment, vehicle, etc.)
- Behavior of spilled material (e.g., reactions, leak, spill, or fire observed)
- Anticipated movement of spill
- What has the spill contaminated (soil, concrete, water, etc.)
- Actions being taken to control or contain spill
- Estimated time when spill occurred

DO NOT allow unauthorized persons to enter the spill area.

RESTRICT all sources of ignition: smoking, internal combustion engines, or open flames.

WAIT for the response team to arrive and direct them to the spill.

PROVIDE information and assistance as instructed.

WRITTEN SPILL REPORT form should be completed following cleanup of a spill and submitted through your chain of command to the EAD within 5 working days of the spill. A spill reporting form is required for all hazardous substance spills, regardless of location, and all petroleum spills into the environment. A written report is not required for petroleum spills less than 1 gallon on concrete.

SPILL REPORTING FORM (front)

Unit responsible for spill:	**Responder:** (circle) Fire Department / CFR
Name:	
Phone No.:	**Responder's POC:**
Spill location: (pit #, bldg #, etc.)	**Reporting Individual signature:**
Date/Time of Spill:	
TYPE OF SPILL Check appropriate box	**Estimated amount:**
JP5 [ ] Hazardous Material [ ]	**Did Spill Enter a Drainage System:**
Used oil [ ] Hazardous Waste [ ]	**No [] Yes [] Amt:_____**
Antifreeze [ ] Diesel fuel [ ]	**PROCEDURE TO ELIMINATE SPILL** Check appropriate box
Other	Shutoff pumps [ ] Over pack container [ ]
CLEAN UP	Close valves [ ] Upright container [ ]
Date/time started:	Nothing available [ ]
Date/time ended:	Other
TYPE OF SURFACE SPILL WAS ON Check appropriate box	**SPILL CAUSED BY:** Check appropriate box
Water [ ] Asphalt [ ]	Equipment failure [ ]
Grass [ ] Gravel [ ]	Human error [ ]
Soil [ ] Concrete [ ]	Other [ ]
Other	**Is this a recurring problem**: Yes [] No []

NOTIFICATION	
Required:	Optional:
Fire Dept. (911/6-3333) ...or...	EAD (6-4591) Safety (6-2730)
Crash Crew (6-2420)	FMD (6-4363)

Additional comments from the reporting activity:

EAD Representative:

NOTIFICATION EAD USE ONLY (back)		
Date:	**TIME:**	**EAD Representative:**

AGENCY	PHONE #	PERSON CONTACTED
National Response Center (NRC)	1-800-424-8802	
State Emergency Response Center (SERC)	1-800-858-0368	
Local Emergency Planning Commission (LEPC)	252-636-6608	
STATE		
NC Division of Water Quality (Washington) All spills of oil or hazardous substances into or onto any surface waters or wetlands and or the land surface (excluding impervious surfaces) which does not enter surface waters or wetlands and any spills into ground waters	252-946-6481	
NC Division of Water Quality (Wilmington) All spills of oil or hazardous substances into or onto any surface waters or wetlands at MCALF Bogue	910-392-4966	
NC Division of Water Quality (Wilmington) All spills of oil or hazardous substances into the land surface (excluding impervious surfaces) which does not enter surface waters or wetlands and any spills into ground waters at MCALF Bogue	910-350-0800	
EPA		
Other:		

CERCLA HS:	EPCRA Manager:
EPCRA EHS:	

Additional comments from EAD:

SPILL RESPONSE DEBRIEF MEETING		
DATE:	TIME:	LOCATION:

ATTENDING MEETING MEMBERS		
DEPARTMENT	**NAME**	**SIGNATURE**
Environmental Affairs Dept.		
Fire Division		
Facilities Maintenance Dept.		
Industrial Hygiene		
Joint Safety Office		
NAVAIRDEPOT Representative		
Wing Representative		
Other		

Meeting Recommendations:

ENCLOSURE (2)

Primary OHS Spill Responders
OHS Spill Prevention and Contingency Roles and Responsibilities

****
Primary OHS spill responders include the MCAS Cherry Point Fire Department, the MCAS Cherry Point Crash Fire and Rescue (CFR), and the MCALF Bogue CFR. These organizations have been designated the On-Scene Commander by the Installation Commander and will serve as primary OHS spill responders. A primary OHS spill responder will address all OHS spills aboard MCAS Cherry Point and outlying fields. The primary responder will maintain control and direction of all spill response and cleanup activities until their decision that the immediate threat to human life and the emergency condition is abated. Control can then be transferred to the appropriate secondary OHS spill responder for subsequent action. Personal safety is top priority during spill response and cleanup for all responders.
****

MCAS - Cherry Point Fire Department

- Primary responder for OHS spills at Cherry Point and outlying fields. (excluding petroleum spills on the MCAS flightline and at MCALF Bogue)
- Primary responder for petroleum spills on water requiring the MCAS Cherry Point Open-Water Spill Response Team.
- Activates secondary OHS spill responders as deemed necessary.
- Assists MCAS CFR and MCALF Bogue CFR as needed for spill response on the flightline or at MCALF Bogue.
- Coordinates with the Joint Safety Office, Industrial Hygiene, and the EAD on safety, health, and environmental considerations at all OHS spills.
- Ensures personnel and equipment are thoroughly decontaminated before securing.
- Maintain HAZWOPER certification for OHS spill response in compliance with OSHA.
- Provides notice to EAD of spills as soon as practical:
  Notifies the EAD of all reported spills that occur during weekday office hours (0730-1630) at telephone 466-6716. Spills that occur during the weekend or after weekday office hours should be reported to the on-call EAD personnel as defined by the EAD after-hours recall roster. For weekend and after-hour spills of petroleum products (oil, fuel, hydraulic fluids, etc.) that are less than 5 gallons AND are on concrete where there is NO threat to the environment, notification can be postponed until the following morning between the hours of 0730 and 0900. The EAD after-hours recall roster will be published and distributed by the EAD.

- Provide 4 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.
- Maintain and store the open-water spill response boats and boat related equipment.
- Maintain rosters on hand of the MCAS - Cherry Point Open-Water Spill Response Team, the FMD Spill Response Team, the NAVAIRDEPOT Spill Response Team, and the EAD after-hours recall roster.
- Seek funding for and maintain spill response supplies suitable for all types of OHS present aboard MCAS Cherry Point and outlying fields for emergency response.

CFR (MCAS Cherry Point and MCALF Bogue)

- Primary spill responder for petroleum spills on the MCAS flightline and at MCALF Bogue.
- Activates secondary spill responders as deemed necessary.
- Assists MCAS Cherry Point Fire Department as needed for petroleum spill response at Cherry Point and outlying fields.
- Coordinates with the Joint Safety Office, Industrial Hygiene, and the EAD on safety, health, and environmental considerations at all petroleum spills.
- Ensures personnel and equipment are thoroughly decontaminated before securing.
- Notify the MCAS - Cherry Point Fire Department of all OHS spills at MCALF Bogue.
- Provides notice to EAD of spills as soon as practical: Notifies the EAD of all reported spills that occur during weekday office hours (0730-1630) at telephone 466-6716. Spills that occur during the weekend or after weekday office hours should be reported to the on-call EAD personnel as defined by the EAD after-hours recall roster. For weekend and after-hour spills of petroleum products that are less than 5 gallons AND are on concrete where there is NO threat to the environment, notification can be postponed until the following morning between the hours of 0730 and 0900. The EAD after-hours recall roster will be published and distributed by the EAD.
- Provide notice to EAD of aircraft mishaps as soon as practical.
- Maintain rosters on hand of the FMD Spill Response Team, the NAVAIRDEPOT Spill Response Team, and the EAD after-hours recall roster.
- Budget for and maintain spill response supplies suitable for petroleum products aboard the MCAS flightline and/or MCALF Bogue for emergency response.

Secondary OHS Spill Responders

OHS Spill Prevention and Contingency Roles and Responsibilities

****

Secondary OHS spill responders will assist the primary OHS spill responders in spill response and cleanup. Secondary responders will be activated as needed and individually based on the specific situation. The secondary OHS spill responder can take responsibility for the cleanup of a spill following the abatement of the emergency situation by the primary OHS spill responder. Personal safety is top priority during spill response and cleanup for all responders.

****

Shops and Units that Use or Store OHS

If you are **certain** that it is **safe** to do so, take steps to control (stop the source, shut off valves, upright the spilling container, etc.) and/or contain (apply sorbent materials, block drains, etc.) the spill.

- Assist the primary and/or other secondary OHS spill responders in spill cleanup if it is safe to do so.
- Budget for and maintain spill cleanup supplies suitable for the volumes and specific OHS handled.

Environmental Affairs Department (EAD)

- Coordinate OHS spill prevention, initial spill response, and spill cleanup training.
    - Resource Conservation and Recovery Act Training (monthly)
    - Environmental Coordinator Training (quarterly)
    - Secondary MOS 9954 Training (yearly)
- Coordinate training for the MCAS - Cherry Point Open-Water Spill Response Team as outlined in the Integrated Contingency Plan (ICP).
- Coordinate petroleum spill cleanup training for the 2dMAW Spill Response Team.
- Maintain the ICP and distribute copies to local emergency responders following revisions.
- Establish and maintain OHS spill notification and response procedures.

- Provide consultation and support for OHS environmental impact and cleanup requirements.
- Publish/distribute monthly recall roster for after-hours EAD spill response.
- Maintain HAZWOPER certification for OHS spill response in compliance with OSHA.
- Provide 4 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.
- Provide a coordinator for the MCAS - Cherry Point Open-Water Spill Response Team and assure the team operates following the Open-Water Spill Response Team SOP.
- Provide a Spill Response Program Manager.
- Perform inspections of the SPILL ROUTE following the SPILL ROUTE SOP on Tuesdays and Thursdays.
- Report OHS spills to Federal/State/Local agencies as required by regulation.
- Provide initial notification and updates to the Chief of Staff, the Director of Facilities, the duty officer, and/or Headquarters Marine Corps for significant OHS spills.
- Support the MCAS Cherry Point Fire Department and the FMD in the management of oil spill cleanup supplies provided to MCAS - Cherry Point by NAVFACESC (boats, vacuum truck, boom, etc.).
- Publish a roster of the MCAS - Cherry Point Open-Water Spill Response Team and distribute to the MCAS - Cherry Point Fire Department.
- Maintain rosters on hand of the FMD Spill Response Team, the NAVAIRDEPOT Spill Response Team, and the 2dMAW Spill Response Team.
- Budget for and maintain spill response supplies suitable for petroleum spills to assist in support of emergency response and/or cleanup.
- Budget for OHS spill prevention and spill control equipment maintenance.

Facilities Maintenance Department (FMD)

- Provide manpower, training, equipment, and supplies to support the FMD Spill Response Team.
- Budget for and maintain OHS spill response and cleanup supplies for the FMD Spill Response Team.

- Provide 4 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.
- Perform inspections of the SPILL ROUTE following the SPILL ROUTE SOP on Mondays, Wednesdays, and Fridays.

FMD Spill Response Team

- Maintain HAZWOPER certification for OHS spill response in compliance with OSHA.
- Provide OHS spill cleanup support.
- Activate the 2dMAW spill response team for petroleum spills when additional manpower is needed.
- Ensure FMD/2dMAW personnel and equipment are thoroughly decontaminated before securing the response team.
- Publish a roster of the FMD Spill Response Team and distribute to the MCAS - Cherry Point Fire Department, CFR, and the EAD.
- Maintain a roster on hand of the 2dMAW Spill Response Team.

Naval Air Depot, MCAS - Cherry Point (NAVAIRDEPOT)

- Provide manpower, training, equipment, and supplies to support the NAVAIRDEPOT Spill Response Team.
- Budget for and maintain spill response supplies suitable for all OHS present at the NAVAIRDEPOT for emergency response.
- Provide 3 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.

NAVAIRDEPOT Spill Response Team

- Maintain HAZWOPER certification for OHS spill response in compliance with OSHA.
- Provide OHS spill response and cleanup support for spills within the NAVAIRDEPOT.
- Ensure NAVAIRDEPOT personnel and equipment are thoroughly decontaminated before securing the response team.
- Publish a roster of the NAVAIRDEPOT Spill Response Team and distribute to the MCAS - Cherry Point Fire Department, CFR, and the EAD.

Second Marine Aircraft Wing (2dMAW)

- Provide manpower to support the FMD Spill Response Team when a spill cleanup action exceeds the manpower capabilities of the FMD Spill Response Team. The 2dMAW Spill Response Team will only be activated for petroleum spills.

  Spill Response Team
- Team to consist of a minimum 20 Marines.
- Team to include a minimum 1 SNCOIC, 1 NCOIC, and 18 Lance Corporals and below.
- Receive petroleum spill cleanup training from the EAD.
- Once the team has been activated for a spill event, spill response will be the workload priority of the team members.
- Publish and keep current a roster of the 2dMAW Spill Response Team and distribute to the FMD and the EAD.

Joint Safety Office (JSO) and Industrial Hygiene (IH)

- Provide exposure limits and monitoring during OHS spill response and cleanup as requested by the responders and if deemed necessary by the Joint Safety Officer.
- Provide personal protective equipment (PPE) recommendations to responders as needed or deemed necessary.
- Provide guidance to responders and cleanup personnel regarding all safety matters.
- Assist the primary OHS responders in determining the area "safe" for entry of cleanup personnel for all hazardous substance spills.

Navy Boat Docks

- Provide 4 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.

Fuels Department

- Provide 2 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.

Open-Water Spill Response Team (OWSRT)

- Operate following the Open-Water Spill Response Team SOP
- Team to consist of members as follows:
    - 4 from Fire Department
    - 4 from EAD
    - 4 from FMD
    - 3 from NAVAIRDEPOT
    - 4 from Navy Utility Boat Division
    - 2 from Fuels Department

Appendix F

Scrap Wood Collection and Removal Chit

Inert Debris Salvage and Removal Form
Marine Corps Air Station Cherry Point, North Carolina

1. You are hereby authorized to collect inert debris (wood, mulch, concrete, and bricks) from the Air Station Land Clearing and Inert Debris (LCID) Landfill. This authorization is being granted gratuitously by the U.S. Government and can be revoked at any time. By your signature below you acknowledge and agree to the terms of this authorization.

2. The landfill is fully operational and inherently dangerous to those who enter the premises. Anyone entering the premises assumes all risk of personal injury and property damage, including, but not limited to, severe injury or death resulting from or during collection of materials from the landfill.

3. You agree to release and hold harmless the United States Government, including the United States Marine Corps and its officers, employees, agents, personnel, successors and assigns, from any and all claims, damages, liabilities, losses, injuries, deaths, and costs and expenses including attorney's fees, and costs of suits arising out of or claimed on account of the granting of access to the MCAS Cherry Point landfill and the materials thereby provided by the United States Government. You agree that this release also binds your family, heirs, assigns, administrator, and executor.

4. All persons must provide full legal name and signature. Children under 18 years of age are not authorized to enter the Landfill.

5. To facilitate future scrap wood collection and removal efforts, you have the option to be added to an Authorized User List (AUL). Inclusion on the AUL will eliminate the need for a Scrap Wood Collection and Removal Form each time you enter the landfill for scrap wood collection and removal. The AUL will be valid for one calendar year at which time a new Inert Debris Salvage and Removal Form will need to be completed and signed. The government reserves the right to remove a name from the AUL or discontinue the AUL at any time. Inclusion is entirely voluntary.

   _____ **Initial here if you wish to be added to the Authorized User List**. By initialing, you acknowledge that the waivers set forth in this document will remain in effect for any and all visits made to the Air Station Land Clearing and Inert Debris (LCID) Landfill. Please note that there will be a time lag between submittal of this form and addition to the AUL.

6. By your signature below, you agree to the terms of the Inert Debris Salvage and Removal Form..

_____	_____	_____
(print name)	(legal signature)	(date)

Hours of Operation are subject to change without notice *as personnel availability and mission requirements dictate. Personnel will depart when instructed to do so by the landfill operator and will not remain on the premises while the landfill operator is not on site. Personnel will be prepared to depart at least 15 minutes prior to closing time. Personnel will NOT be allowed entry into the landfill after Salvaging Hours (posted below). Landfill phone number is (252) 466-6785.*

Salvaging Hours:	Monday through Friday:	0715 to 1100 and 1245 to 1530
	Saturday, Sunday & Holidays:	Closed

THIS FORM WILL BE TURNED OVER TO THE LANDFILL OPERATOR BEFORE ENTERING THE LANDFILL.

Appendix G

Landfill Chit

ENVIRONMENTAL AFFAIRS DEPARTMENT
Marine Corps Air Station
Cherry Point, North Carolina 28533-0006

Date: _____
(mm/dd/yy)

Memorandum
From: Environmental Affairs Department
To: Facilities Maintenance Department (Attn: LCID Landfill Operator), Marine Corps Air Station, Cherry Point.

Subj: **LANDFILL CHIT, LAND CLEARING AND INERT DEBRIS (LCID) LANDFILL**

1. As OIC, I, _____ (print name), authorize _____ (print name) of _____ (unit or company), to dispose of a total of _____ (quantity & unit of measure) containing only: Wood, Yard Debris, Concrete, Masonry, Asphalt, or Soil (circle one only) at the LCID landfill from the _____ (day) of _____ (month), 200___, to the _____ (day) of _____ (month), 200___. Disposal of the material at the government owned LCID landfill is authorized in accordance with Contract _____ (contract #), Project _____ (project #). The material originated from _____ (location and bldg. #).

2. Note: The LCID landfill is permitted to receive unpainted/untreated wood, yard debris, concrete, masonry, asphalt, and uncontaminated earth only. This form must be signed by both parties below to be valid. If there are questions regarding the validity of this form, contact Environmental Affairs Department at 466-3631 (or 4186).

3.

4. Special Instructions (please print): _____

_____

OIC: _____ (print name) _____ (signature) Date: _____ (mm/dd/yy)

EAD: _____ (print name) _____ (signature) Date: _____ (mm/dd/yy)

Hours of Operation:	Monday through Thursday:	0730 to 1115, 1230 to 1600
	Friday:	0730 to 1115
	Saturday, Sunday & Holidays:	Closed

Hours of Operation are subject to change without notice as personnel availability and mission requirements dictate. Personnel will not remain on the premises while operator is not on site.

Appendix H

Asbestos Chit

ENVIRONMENTAL AFFAIRS DEPARTMENT
Marine Corps Air Station
Cherry Point, North Carolina 28533-0006

Date: _____ (mm/dd/yy)

Memorandum
From: Environmental Affairs Department
To: Facilities Maintenance Department (Attn: LCID Landfill Operator), Marine Corps Air Station, Cherry Point.

Subj: **ASBESTOS CHIT, LAND CLEARING AND INERT DEBRIS (LCID) LANDFILL**

1. Asbestos removed by: _____ (print name) Date _____ (mm/dd/yy)

   Work Center _____ Phone # _____ (include area code)

   Address: _____ (street, city, state, zip)

2. Transporter: _____ (print name) Date _____ (mm/dd/yy)

   Address: _____ (street, city, state, zip) Phone # _____ (include area code)

3. Building # of Removal: _____ Areas Abated: _____

4. Description of Materials: _____

5. Quantity a) # of Bags: ¼ Full ____ ½ Full ____ ¾ Full ____ Full ____ **Total** ____

   b) _____ Square Feet of Materials, or _____ Linear Feet of Pipe Insulation

   c) Other than Bags (type containment and quantity) _____

Note: Asbestos Chit will be turned over to the LCID Landfill Operator prior to disposal.

I, _____ (print transporter's name), hereby certify that the information provided above is accurate and correct to the best of my knowledge.

Transporter: _____ (signature) Date: _____ (mm/dd/yy)

EAD Representative: _____ (signature) Date: _____ (mm/dd/yy)

Hours of Operation:	**Monday through Thursday:**	**0715 to 1115 and 1215 to 1515**
	Friday:	**0715 to 1115**
	Saturday, Sunday & Holidays:	**Closed**

Hours of Operation are subject to change without notice as personnel availability and mission requirements dictate. Personnel will not remain on the premises while operator is not on site.

LAND CLEARING AND INERT DEBRIS LANDFILL CHECKLIST

File Name _____

☐ Application Received Date _____

☐ Acknowledgement Letter Date _____

- ☐ Written Report
- ☐ Siting Aerial Photo/Map
- ☐ Plans, Details, and Specifications
- ☐ Operations Plan
- ☐ Zoning Letter
- ☐ Legal Description or Recording Map

☐ Completeness Letter & Comments Date _____

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

☐ Completeness Items Received Date _____

☐ Technical Review Letter & Comments Date _____

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

☐ Technical Review Completed Date _____

☐ Issue Permit Number: _____ Date _____

- ☐ Cover Letter
- ☐ Original Permit
- ☐ Original Permit Conditions
- ☐ Original Legal Description or Recording Map
- ☐ Notary Certification for Permit Copy
- ☐ Certified Copy Permit
- ☐ Certified Copy Permit Conditions
- ☐ Certified Copy Legal Description or Recording Map
- ☐ Original Plans To Applicant
- ☐ Plans and Permit To Central Files
- ☐ Plans and Permit To Regional Office
- ☐ Plans and Permit To Waste Management Specialist
- ☐ Solid Waste System Information Form

☐ Receive Filing From Register of Deeds Date _____

LCID LANDFILL CHECKLIST

File Name _____

.0564 SITING CRITERIA FOR LAND CLEARING AND INERT DEBRIS (LCID) LANDFILLS

The following siting criteria shall apply for Land Clearing and Inert Debris (LCID) landfills:

☐(1) Facilities or practices, shall not be located in the 100-year floodplain.

☐(2) Facilities or practices shall not cause or contribute to the taking of any endangered or threatened species of plants, fish, or wildlife.

☐(3) Facilities or practices shall not result in the destruction or adverse modification of the critical habitat of endangered or threatened species as identified in 50 CFR Part 17 which is hereby incorporated by reference including any subsequent amendments and editions. This material is available for inspection at the Department of Environment, Health, and Natural Resources, Division of Solid Waste Management, 401 Oberlin Road, Raleigh, North Carolina 27605 where copies can be obtained at no cost.

☐(4) Facilities or practices shall not damage or destroy an archaeological or historical site.

☐(5) Facilities or practices shall not cause an adverse impact on a state park, recreation or scenic area, or any other lands included in the state nature and historic preserve.

☐(6) Facilities shall not be located in any wetland as defined in the Clean Water Act, Section 404(b).

☐(7) It must be shown that adequate suitable soils are available for cover, either from on or off site.

☐(8) Land Clearing and Inert Debris landfills shall meet the following surface and ground water requirements:

- ☐(a) Facilities or practices shall not cause a discharge of pollutants into waters of the state that is in violation of the requirements of the National Pollutant Discharge Elimination System (NPDES), under Section 402 of the Clean Water Act, as amended.
- ☐(b) Facilities or practices shall not cause a discharge of dredged materials or fill material into waters of the state that is in violation of the requirements under Section 404 of the Clean Water Act, as amended.
- ☐(c) Facilities or practices shall not cause non-point source pollution of waters of the state that violates assigned water quality standards.

☐(d) Waste in landfills with a disposal area greater than two acres shall be placed a minimum of four feet above the seasonal high water table, except where an alternative separation is approved by the Division.

☐(e) Waste in landfills with a disposal area less than two acres shall be placed above the seasonal high water table.

☐(9) The facility shall meet the following minimum buffer requirements:

☐(a) 50 feet from the waste boundary to all surface waters of the state as defined in G.S. 143-212.

☐(b) 100 feet from the disposal area to property lines, residential dwellings, commercial or public buildings, and wells.

☐(c) Buffer requirements may be adjusted as necessary to insure adequate protection of public health and the environment.

☐(10) The facility shall meet all requirements of any applicable zoning ordinance.

.0565 APPLICATION REQUIREMENTS FOR LAND CLEARING AND INERT DEBRIS (LCID) LANDFILLS

Five sets of plans, maps, and reports shall be required with each application. The seal of a professional engineer is required when submitting plans for a Land Clearing and Inert Debris (LCID) landfill.

☐(1) The following information is required in order to review and approve the siting of a Land Clearing and Inert Debris (LCID) landfill:

☐(a) An approval letter from the unit of local government having zoning authority over the area where the facility is to be located stating that the site meets all of the requirements of the local zoning ordinance, or that the site is not zoned.

☐(b) Location on a county road map.

☐(c) Information showing that the bottom elevation of the waste shall be four feet above the seasonal high water table. Seasonal high water table elevations shall be obtained from on site test borings, test pits, or from other geological or water table investigations, studies, or reports from the immediate area of the proposed facility.

☐(d) A written report indicating that the facility shall comply with all the requirements set forth under Rule .0564.

☐(e) A copy of the deed or other legal description of the site that would be sufficient as a description in an instrument of conveyance, showing property owner's name.

☐(f) Any other information pertinent to the suitability of the proposed facility.

☐(2) The following shall be provided on a map or aerial photograph with a scale of at least one inch equals four hundred feet showing the area within one-fourth mile of the site:

☐(a) Entire property or portion thereof owned or leased by the person providing the disposal site.

☐(b) Location of all homes, buildings, public or private utilities, roads, wells, watercourses, water or other impoundments, and any other applicable features or details.

☐(c) 100-year flood plain boundaries, if any.

☐(d) Wetland boundaries, if any.

☐(e) Historical or archaeological sites, if any.

☐(f) Park, scenic, or recreation area boundaries, if any.

☐(3) Development and design plans and details, at a scale of at least one inch equals one hundred feet with one inch equals forty feet preferred, and specifications containing the following information shall be submitted with the application for a proposed Land Clearing and Inert Debris (LCID) landfill:

☐(a) Property or site boundary, fully dimensioned with bearings and distances, tied to North Carolina grid coordinates where reasonably feasible.

☐(b) Easements and right-of-ways.

☐(c) Existing pertinent on site and adjacent structures such as houses, buildings, wells, roads and bridges, water and sewer utilities, septic fields, and storm drainage features.

☐(d) Proposed and existing roads, points of ingress and egress along with access control such as gates, fences, or berms.

☐(e) Buffer and set back lines along with the buffered boundary or feature.

☐(f) Springs, streams, creeks, rivers, ponds, and other waters and impoundments.

☐(g) Wetlands, if any.

☐(h) Boundary of the proposed waste area.

☐(i) Existing topography with contours at a minimum of five foot intervals. Where necessary, a smaller interval shall be utilized to clarify existing topographic conditions.

☐(j) Proposed excavation, grading, and final contours at a minimum of five foot intervals. Where necessary, a smaller interval shall be utilized to clarify proposed grading. Excavation, grading, and fill material side slopes shall not exceed three to one (3:1).

☐(k) Where on site borrow for operational and final cover is proposed, indicate the borrow excavation and grading plan with contours at a minimum of five foot intervals. Where necessary, a smaller interval shall be utilized to clarify proposed grading.

☐(l) Proposed surface water control features and devices such as slope drains, storm water pipes, inlets, culverts, and channels.

☐(m) Information showing that the project meets the requirements of 15A NCAC 4, Sedimentation Control Rules.

☐(n) Location of test borings or test pits, if used to determine the seasonal high water table elevation, shall be shown on the plans.

☐(o) A minimum of two cross-sections, one each along each major axis, per operational area showing:

- ☐(i) Original elevations.
- ☐(ii) Proposed excavation.
- ☐(iii) Proposed final elevations.

☐(4) An operational plan addressing the requirements under Rule .0566 and containing the following information shall be submitted with the application for a proposed Land Clearing and Inert Debris (LCID) landfill:

☐(a) Name, address, and phone number of individual responsible for operation and maintenance of the facility.

☐(b) Projected use of the land after completion.

☐(c) Description of systematic usage of disposal area, operation, orderly development and closure of the landfill.

☐(d) Type, source, and quantity of waste to be accepted.

☐(e) An emergency contingency plan, including fire fighting procedures.

.0566 OPERATIONAL REQUIREMENTS FOR LAND CLEARING AND INERT DEBRIS (LCID) LANDFILLS

Land Clearing and Inert Debris (LCID) landfills shall meet the following operational requirements:

☐(1) Operational plans shall be approved and followed as specified for the facility.

☐(2) The facility shall only accept those solid wastes which it is permitted to receive.

☐(3) Solid waste shall be restricted to the smallest area feasible and compacted as densely as practical into cells.

☐(4) Adequate soil cover shall be applied monthly, or when the active area reaches one acre in size, whichever occurs first.

☐(5) 120 calendar days after completion of any phase of disposal operations, or upon revocation of a permit, the disposal area shall be covered with a minimum of one foot of suitable soil cover sloped to allow surface water runoff in a controlled manner. The Division may require further action in order to correct any condition which is or may become injurious to the public health, or a nuisance to the community.

☐(6) Adequate erosion control measures, structures, or devices shall be utilized to prevent silt from leaving the site and to prevent excessive on site erosion.

☐(7) Provisions for a ground cover sufficient to restrain erosion must be accomplished within 30 working days or 120 calendar days upon completion of any phase of landfill development.

☐(8) The facility shall be adequately secured by means of gates, chains, berms, fences, etc. to prevent unauthorized access except when an operator is on duty. An attendant shall be on duty at all times while the landfill is open for public use to assure compliance with operational requirements and to prevent acceptance of unauthorized wastes.

☐(9) Access roads shall be of all-weather construction and properly maintained.

☐(10) Surface water shall be diverted from the working face and shall not be impounded over waste.

☐(11) Solid waste shall not be disposed of in water.

☐(12) Open burning of solid waste is prohibited.

☐(13) The concentration of explosive gases generated by the facility shall not exceed:

- ☐(a) Twenty-five percent of the lower explosive limit for the gases in facility structures.
- ☐(b) The lower explosive limit for the gases at the property boundary.

☐(14) Leachate shall be properly managed on site through the use of current best management practices.

☐(15) Should the Division deem it necessary, ground water or surface water monitoring, or both, may be required as provided for under Rules .0601 and .0602 of this Subchapter.

☐(16) A sign shall be posted at the facility entrance showing the contact name and number in case of an emergency and the permit number. The permit number requirement is not applicable for facilities not requiring an individual permit.

NCDENR

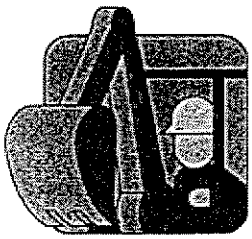
Illegal Dumping Prevention Initiative

Regulatory Assistance Bulletin

Subject: Proper management of land-clearing waste, inert debris, and construction and demolition waste

Intended Audience:

- Building/Repair Contractors
- Demolition Contractors
- Landscape/Grading Contractors
- Real Estate Developers
- Roofing Contractors
- Local Governments



Definitions:

Land Clearing Waste: Waste generated solely from land clearing activities such as stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material;

Inert Debris: Concrete, brick, concrete block, uncontaminated soil, rock, and gravel;

Construction and Demolition Waste: Solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings, or other structures, but does not include inert, land clearing, or yard trash debris.

Approved Management Methods:

Land Clearing Waste: Reduce, reuse, recycle, compost, chip, mulch, dispose in a permitted Land Clearing and Inert Debris Landfill;

Inert Debris: May be used as beneficial fill provided that the fill activity involves no excavation; the purpose is to improve land use potential; and that all pertinent federal, state, and local laws, rules, regulations are complied with;

Construction and Demolition Waste: Separate into recyclable and non-recyclable materials where feasible. Those materials that cannot be reused or recycled must be disposed within an approved Construction and Demolition Landfill or Municipal Solid Waste Landfill. Examples of Construction and Demolition waste include but are not limited to insulation, plywood, particle board, treated and painted wood, asphalt shingles, wire, and sheetrock (gypsum board).

Note: Construction and demolition materials often contain paints, varnishes, epoxy resins, glues, and other chemicals that can leach into the underground water table. Construction and Demolition Landfills and Municipal Solid Waste Landfills have ground water monitoring wells for early detection of ground water contamination.

All loads of debris must be properly covered during transport to avoid littering.

Illegal Disposal Activities Include:

- Burying without a permit
- Open burning of waste
- Open dumping on an unpermitted site
- Use as fill (except inert debris and asphalt pavement)
- Disposal in water

Penalties:

NCGS 130A-22(a) and 15A NCAC 13B .0707 authorizes the Division to assess administrative penalties of up to **$5,000.00 per day, per violation** and to record the property as an illegal solid waste disposal site with the appropriate county register of deeds.

*Note: **Dumping waste for commercial purposes on any property not owned by the person responsible for the dumping is also a violation of NCGS 14-399(e) Littering, and is classified as a class I felony.***

Permit Requirements:

LCID Facilities: For facilities under 2 acres in size, the owner must submit a properly recorded Land Clearing and Inert Debris Landfill Notification form. Facilities over 2 acres in size, submit information as required in 15A NCAC 13B .0565. If more than one acre is to be disturbed, a sedimentation and erosion control permit must be obtained from the Land Quality Section.

C & D Facilities: Conform to the requirements in 15A NCAC 13B. 0503 and .0504.

Special Legislation:

- GS 130A-294(m) USED ASPHALT PAVING DEBRIS
- GS 130A-301.1 LAND CLEARING AND INERT DEBRIS LANDFILLS WITH A DISPOSAL AREA OF ½ ACRE OR LESS: RECORDATION
- GS 130A-301.2 (Expires June 30, 2001) DISPOSAL OF DEMOLITION DEBRIS IN AN ON-SITE LANDFILL HAVING A DISPOSAL AREA OF ONE ACRE OR LESS

For further assistance, call the Solid Waste Section at the Regional office closest to you:

Asheville - (828) 251-6208
Mooresville - (704) 663-1699
Winston-Salem (336) 771-4600
Raleigh - (919) 571-4700
Fayetteville (910) 486-1541
Wilmington (910) 395-3900
Washington (252) 946-6481

Or call the Raleigh Central office at (919) 733-0692.

DISCLAIMER: This document is intended for distribution to effected parties as a basic guide to acceptable and unacceptable waste management practices. It is in no way intended to replace, change, augment, or substitute for the requirements contained in the General Statutes or the Administrative Code.

CHECKLIST

.0564 SITING CRITERIA FOR LAND CLEARING AND INERT DEBRIS (LCID) LANDFILLS

The following siting criteria shall apply for Land Clearing and Inert Debris (LCID) landfills:

(1) Facilities or practices, shall not be located in the 100-year floodplain.

Notes: *Contact local planning department for a copy of a FEMA Flood Insurance Map*

(2) Facilities or practices shall not cause or contribute to the taking of any endangered or threatened species of plants, fish, or wildlife.

Notes: *Contact Non-game and Endangered Species, Randy Wilson @ 919-~~733-7291~~* 661-4972

(3) Facilities or practices shall not result in the destruction or adverse modification of the critical habitat of endangered or threatened species as identified in 50 CFR Part 17 which is hereby incorporated by reference including any subsequent amendments and editions. This material is available for inspection at the Department of Environment, Health, and Natural Resources, Division of Solid Waste Management, 401 Oberlin Road, Raleigh, North Carolina 27605 where copies can be obtained at no cost.

Notes: *same contact as (2)*

(4) Facilities or practices shall not damage or destroy an archaeological or historical site.

Notes: *Contact Archaeology and Historic Preservation Section, David Brook @ 919-733-4763*

(5) Facilities or practices shall not cause an adverse impact on a state park, recreation or scenic area, or any other lands included in the state nature and historic preserve.

Notes: *Contact Natural Heritage Program, Linda Pearsall or Inge Smith Terrill @ 919-733-7701*

(6) Facilities shall not be located in any wetland as defined in the Clean Water Act, Section 404(b).

Notes: *Contact Army corps Of Engineers*

(7) It must be shown that adequate suitable soils are available for cover, either from on or off site.

Notes: *To be addressed by a Professional Engineer*

(8) Land Clearing and Inert Debris landfills shall meet the following surface and ground water requirements:

(a) Facilities or practices shall not cause a discharge of pollutants into waters of the state that is in violation of the requirements of the National Pollutant Discharge Elimination System (NPDES), under Section 402 of the Clean Water Act, as amended.

Notes: *To be addressed by a Professional Engineer. Contact Division of Water Quality- Regional Office for a notice of intent form*

(b) Facilities or practices shall not cause a discharge of dredged materials or fill material into waters of the state that is in violation of the requirements under Section 404 of the Clean Water Act, as amended.

Notes: *To be addressed by a Professional Engineer*

(c) Facilities or practices shall not cause non-point source pollution of waters of the state that violates assigned water quality standards.

Notes: *To be addressed by a Professional Engineer*

(d) Waste in landfills with a disposal area greater than two acres shall be placed a minimum of four feet above the seasonal high water table, except where an alternative separation is approved by the Division.

Notes: *To be addressed by a Professional Engineer*

(e) Waste in landfills with a disposal area less than two acres shall be placed above the seasonal high water table.

Notes: *Not Applicable*

(9) The facility shall meet the following minimum buffer requirements:

(a) 50 feet from the waste boundary to all surface waters of the state as defined in G.S. 143-212.

Notes: *To be addressed by a Professional Engineer*

(b) 100 feet from the disposal area to property lines, residential dwellings, commercial or public buildings, and wells.

Notes: *To be addressed by a Professional Engineer*

(c) Buffer requirements may be adjusted as necessary to insure adequate protection of public health and the environment.

Notes: *Contact Waste Management Specialist for assistance*

(10) The facility shall meet all requirements of any applicable zoning ordinance.

Notes: *Contact local planning/zoning authority for letter*

SECTION .0200 - PERMITS FOR SOLID WASTE MANAGEMENT FACILITIES

Rules .0201 - .0205 of Title 15A Subchapter 13B of the North Carolina Administrative Code (T15A.13B .0201 - .0205); have been transferred and recodified from Rules .0201 - .0205 of Title 10 Subchapter 10G of the North Carolina Administrative Code (T10.10G .0201 - .0205), effective April 4, 1990.

.0201 PERMIT REQUIRED

(a) No person shall establish or allow to be established on his land, a solid waste management facility, or otherwise treat, store, or dispose of solid waste unless a permit for the facility has been obtained from the Division.

(b) The permit, except for land clearing and inert debris permits, shall have two parts, as follows:

(1) A permit to construct a solid waste management facility shall be issued by the Division after site and construction plans have been approved and it has been determined that the facility can be operated in accordance with the applicable rules set forth in this Subchapter and so as to provide reasonable protection to the environment and the public health. An applicant shall not clear or grade land or commence construction for a solid waste management facility until a construction permit has been issued.

(2) A permit to operate a solid waste management facility may not be issued unless it has been determined that the facility has been constructed in accordance with the construction permit, that any pre-operative conditions of the construction permit have been met, and that the construction permit has been recorded, if applicable, in accordance with Rule .0204 of this Section.

(c) Land clearing and inert debris facilities may be issued a combined permit to construct and operate the facility.

(d) Land clearing and inert debris facilities subject to Rule .0563 Item (1) may construct and operate after notification as provided for under Rule .0563 Item (2).

(e) Permits, including those issued prior to the effective date of this Rule, shall be reviewed every five years. Modifications, where necessary, shall be made in accordance with rules in effect at the time of review for those areas of a permitted sanitary landfill site which have not previously received solid waste.

(f) All solid waste management facilities shall be operated in conformity with these Rules and in such a manner as to prevent the creation of a nuisance, unsanitary conditions, or potential public health hazard.

History Note: Filed as a Temporary Amendment Eff. May 19, 1993 to expire on October 9, 1993 or until the permanent rule becomes effective, whichever is sooner;
Statutory Authority G.S. 130A-294;
Eff. April 1, 1982;
Amended Eff. January 4, 1993; February 1, 1991; March 1, 1988;
Temporary Amendment Expired Eff. October 9, 1993.

.0202 PERMIT APPLICATION

(a) Application for permits required by Rule .0201 of this Section shall be forwarded to the Department of Environment, Health, and Natural Resources, Division of Solid Waste Management, Solid Waste Section, Post Office Box 27687, Raleigh, North Carolina 27611. Permit applications shall contain the following information:

(1) Site and construction plans;

(2) An approval letter from the unit of local government having zoning authority over the area where the facility is to be located stating that the proposed facility meets all of the requirements of the local zoning ordinance, or that the site is not zoned;

(3) Detailed plans and specifications for solid waste management facilities shall be prepared by a professional engineer except for land clearing and inert debris landfills subject to Rule .0563(1) of this Subchapter. The plans shall bear an imprint of the registration seal of the engineer and geological studies shall bear the seal of a licensed professional geologist, in accordance with N.C.G.S. Chapter 89E; and

(4) Any other information pertinent to the proposed facility.

(b) Specific information for a permit application is found in Sections .0300, .0400 and .0500 of this Subchapter.

History Note: Statutory Authority G.S. 130A-294;

Eff. April 1, 1982;
Amended Eff. January 4, 1993; February 1, 1991; September 1, 1990; August 1, 1988.

.0203 PERMIT APPROVAL OR DENIAL

(a) Upon receipt of a permit application, the Division shall review the request to assure that all provisions of these Rules, the Solid Waste Management Act, and the Federal Act, will be met. Based on its review, the Division shall either approve or deny the request in writing.

(b) When an application is approved, the applicant shall be mailed a permit. If the approval is contingent upon certain conditions being met by the applicant, such conditions shall be noted on the permit.

(c) Before receiving solid waste on a new site, an inspection shall be made by a representative of the Division to assure that the site is prepared in accordance with the permit.

(d) By receiving solid waste on a new site, the applicant shall be considered to have accepted the conditions.

(e) When the Division denies a permit for a solid waste management facility, it shall state in writing the reason for such denial and shall also state its estimate of the changes in the applicant's proposed activities or plans which will be required in order that the applicant may obtain a permit. A denial shall be without prejudice to the person's right to a hearing or for filing a future request after revisions are made to meet objections specified as reasons for denial. Reasons for denial are:

(1) Submission of incomplete information;

(2) Failure to meet the requirements set forth in Sections .0300, .0400 and .0500 of this Subchapter applicable to the type of facility applied for; or

(3) The past conduct by the applicant, as defined in G.S. 130A-309.06(b), which has resulted in repeated violations of solid waste management statutes, these Rules, or orders issued thereunder, or violations of permit conditions of a solid waste management facility located in this State; or

(4) Any other reasons which would prevent the solid waste facility or site from being operated in accordance with Article 9, Chapter 130A of the General Statutes, these Rules, the Federal Act, or acceptable engineering or public health and environmental standards.

(f) Appeals of permit decisions shall be in accordance with Article 3 of N.C.G.S., Chapter 150B, and the Rules adopted thereunder.

History Note: Statutory Authority G.S. 130A-294;
Eff. April 1, 1982;
Amended Eff. February 1, 1991; August 1, 1988; February 1, 1988.

.0204 RECORDATION OF LAND DISPOSAL PERMITS

(a) Whenever the Division approves a permit for a sanitary landfill or a facility for the disposal of hazardous waste on land, the owner of the facility shall be granted both an original permit and a copy certified by the secretary or his authorized representative. The permit shall include a legal description of the site that would be sufficient as a description in an instrument of conveyance.

(b) The owner of a facility granted a permit for a sanitary landfill or a facility for the disposal of hazardous waste on land shall file the certified copy of the permit in the register of deeds' office in the county or counties in which the land is located.

(c) The register of deeds shall record the certified copy and index it in the grantor index under the name of the owner of the land.

(d) The permit shall not be effective unless the certified copy is filed as required under Paragraph (b) of this Rule.

(e) When any sanitary landfill or a facility for the disposal of hazardous waste on land is sold, leased, conveyed or transferred in any manner, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument a statement that the property has been used as a sanitary landfill or a disposal site for hazardous waste and a reference by book and page to the recordation of the permit.

History Note: Statutory Authority G.S. 130A-294;
Eff. April 1, 1982.

.0556 RESERVED FOR FUTURE CODIFICATION
.0557 RESERVED FOR FUTURE CODIFICATION
.0558 RESERVED FOR FUTURE CODIFICATION
.0559 RESERVED FOR FUTURE CODIFICATION

.0560 LAND CLEARING AND INERT DEBRIS (LCID) LANDFILLS

Rules .0560 - .0566 of Title 15A Subchapter 13B of the North Carolina Administrative Code (T15A.13B .0560 - .0566); have been adopted covering the siting, design, and permitting of land clearing and inert debris landfills, effective January 4, 1993.

History Note: Statutory Authority G.S. 130A-294;
Eff. January 4, 1993.

.0561 RESERVED FOR FUTURE CODIFICATION

.0562 BENEFICIAL FILL

A permit is not required for beneficial fill activity that meets all of the following conditions:

(1) The fill material consists only of inert debris strictly limited to concrete, brick, concrete block, uncontaminated soil, rock, and gravel.
(2) The fill activity involves no excavation.
(3) The purpose of the fill activity is to improve land use potential or other approved beneficial reuses.
(4) The fill activity is not exempt from, and must comply with, all other applicable Federal, State, and Local laws, ordinances, rules, and regulations, including but not limited to zoning restrictions, flood plain restrictions, wetland restrictions, mining regulations, sedimentation and erosion control regulations. Fill activity shall not contravene groundwater standards.

History Note: Statutory Authority G.S. 130A-294;
Eff. January 4, 1993.

.0563 APPLICABILITY REQ. FOR LAND CLEARING/INERT DEBRIS (LCID) LANDFILLS

Management of land clearing and inert debris shall be in accordance with the State hierarchy for managing solid waste as provided for under G.S. 130A-309.04(a). Disposal in a landfill is considered to be the least desirable method of managing land clearing and inert debris. Where landfilling is necessary, the requirements of this Rule apply.

(1) An individual permit from the Division of Solid Waste Management is not required for Land Clearing and Inert Debris (LCID) landfills that meet all of the following conditions:
  (a) The facility is to be operated for the disposal of land clearing waste, inert debris, untreated wood, and yard trash. Operations must be consistent and in compliance with the local government solid waste management plan as approved by the Division of Solid Waste Management.
  (b) The total disposal area is under two acres in size.
  (c) The facility and practices comply with the siting criteria under Rule .0564, and operational requirements under Rule .0566.
  (d) The fill activity is not exempt from, and must comply with all other Federal, State, or Local laws, ordinances, Rules, regulations, or orders, including but not limited to zoning restrictions, flood plain restrictions, wetland restrictions, sedimentation and erosion control requirements, and mining regulations.
(2) Where an individual permit is not required, the following applies:
  (a) The owner of the land where the landfill is located must notify the Division on a prescribed form, duly signed, notarized, and recorded as per Sub-item (2)(b) of this Rule. The operator of the landfill, if different from the land owner, shall also sign the notification form.
  (b) The owner must file the prescribed notification form for recordation in the Register of Deeds' Office. The Register of Deeds shall index the notification in the grantor index under the name of the owner of the land in the county or counties in which the land is located. A copy of the recorded notification, affixed with the Register's seal and the date, book and page number of recording shall be sent to the Division of Solid Waste Management.
  (c) When the land on which the Land Clearing and Inert Debris Landfill is sold, leased, conveyed, or

transferred in any manner, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument a statement that the property has been used as a Land Clearing and Inert Debris Landfill and a reference by book and page to the recordation of the notification.

(3) An individual permit is required, except for landfills subject to Item (5) of this Rule, for the construction and operation of a Land Clearing and Inert Debris (LCID) landfill when:

(a) The facility is to be operated for the disposal of land clearing waste, inert debris, untreated wood, and yard trash. Operations must be consistent and in compliance with the local government solid waste management plan as approved by the Division of Solid Waste Management, and

(b) The total disposal area is greater than two acres in size.

(4) Individual permits for land clearing and inert debris landfills shall be issued for not more than five years.

(5) Landfilling of land clearing and inert debris generated solely from, and within the right of way of, North Carolina Department of Transportation projects shall be subject to the following:

(a) Only waste types as described in Sub-item (1)(a) of this Rule may be disposed of within the Department of Transportation right of way.

(b) Waste is landfilled within the project right of way from which it was generated.

(c) The disposal area shall not exceed two contiguous acres in size.

(d) Disposal sites shall comply with the siting requirements of Rule .0564 of this Section except for Item (10).

(e) Disposal sites are not subject to the requirements of Item (2) of this Rule and Rule .0204 of this Subchapter.

(6) Landfills that are currently permitted as demolition landfills are required to comply with the following:

(a) Only waste types as described in Sub-item (3)(a) of this Rule may be accepted for disposal, as of the effective date of this Rule unless otherwise specified in the existing permit.

(b) Operations must be in compliance with Rule .0566 of this Section as of the effective date of this Rule.

(c) Existing demolition landfills must comply with the siting criteria requirements of these Rules as of January 1, 1998 or cease operations and close in accordance with these Rules.

History Note: Statutory Authority G.S. 130A-294; 130A-301;
Eff. January 4, 1993.

.0564 SITING CRITERIA FOR LAND CLEARING AND INERT DEBRIS (LCID) LANDFILLS

The following siting criteria shall apply for Land Clearing and Inert Debris (LCID) landfills:

(1) Facilities or practices, shall not be located in the 100-year floodplain.

(2) Facilities or practices shall not cause or contribute to the taking of any endangered or threatened species of plants, fish, or wildlife.

(3) Facilities or practices shall not result in the destruction or adverse modification of the critical habitat of endangered or threatened species as identified in 50 CFR Part 17 which is hereby incorporated by reference including any subsequent amendments and editions. This material is available for inspection at the Department of Environment, Health, and Natural Resources, Division of Solid Waste Management, 401 Oberlin Road, Raleigh, North Carolina 27605 where copies can be obtained at no cost.

(4) Facilities or practices shall not damage or destroy an archaeological or historical site.

(5) Facilities or practices shall not cause an adverse impact on a state park, recreation or scenic area, or any other lands included in the state nature and historic preserve.

(6) Facilities shall not be located in any wetland as defined in the Clean Water Act, Section 404(b).

(7) It must be shown that adequate suitable soils are available for cover, either from on or off site.

(8) Land Clearing and Inert Debris landfills shall meet the following surface and ground water requirements:

(a) Facilities or practices shall not cause a discharge of pollutants into waters of the state that is in violation of the requirements of the National Pollutant Discharge Elimination System (NPDES), under Section 402 of the Clean Water Act, as amended.

(b) Facilities or practices shall not cause a discharge of dredged materials or fill material into waters of the state that is in violation of the requirements under Section 404 of the Clean Water Act, as amended.

(c) Facilities or practices shall not cause non-point source pollution of waters of the state that violates assigned water quality standards.

(d) Waste in landfills with a disposal area greater than two acres shall be placed a minimum of four feet above the seasonal high water table, except where an alternative separation is approved by the Division.

(e) Waste in landfills with a disposal area less than two acres shall be placed above the seasonal high water table.

(9) The facility shall meet the following minimum buffer requirements:

(a) 50 feet from the waste boundary to all surface waters of the state as defined in G.S. 143-212.

(b) 100 feet from the disposal area to property lines, residential dwellings, commercial or public buildings, and wells.

(c) Buffer requirements may be adjusted as necessary to insure adequate protection of public health and the environment.

(10) The facility shall meet all requirements of any applicable zoning ordinance.

History Note: Statutory Authority G.S. 130A-294;
Eff. January 4, 1993.

.0565 APPLICATION REQ. FOR LAND CLEARING/INERT DEBRIS (LCID) LANDFILLS

Five sets of plans, maps, and reports shall be required with each application. The seal of a professional engineer is required when submitting plans for a Land Clearing and Inert Debris (LCID) landfill.

(1) The following information is required in order to review and approve the siting of a Land Clearing and Inert Debris (LCID) landfill:

(a) An approval letter from the unit of local government having zoning authority over the area where the facility is to be located stating that the site meets all of the requirements of the local zoning ordinance, or that the site is not zoned.

(b) Location on a county road map.

(c) Information showing that the bottom elevation of the waste shall be four feet above the seasonal high water table. Seasonal high water table elevations shall be obtained from on site test borings, test pits, or from other geological or water table investigations, studies, or reports from the immediate area of the proposed facility.

(d) A written report indicating that the facility shall comply with all the requirements set forth under Rule .0564 of this Section.

(e) A copy of the deed or other legal description of the site that would be sufficient as a description in an instrument of conveyance, showing property owner's name.

(f) Any other information pertinent to the suitability of the proposed facility.

(2) The following shall be provided on a map or aerial photograph with a scale of at least one inch equals four hundred feet showing the area within one-fourth mile of the site:

(a) Entire property or portion thereof owned or leased by the person providing the disposal site.

(b) Location of all homes, buildings, public or private utilities, roads, wells, watercourses, water or other impoundments, and any other applicable features or details.

(c) 100-year flood plain boundaries, if any.

(d) Wetland boundaries, if any.

(e) Historical or archaeological sites, if any.

(f) Park, scenic, or recreation area boundaries, if any.

(3) Development and design plans and details, at a scale of at least one inch equals one hundred feet with one inch equals forty feet preferred, and specifications containing the following information shall be submitted with the application for a proposed Land Clearing and Inert Debris (LCID) landfill:

(a) Property or site boundary, fully dimensioned with bearings and distances, tied to North Carolina grid coordinates where reasonably feasible.

(b) Easements and right-of-ways.

(c) Existing pertinent on site and adjacent structures such as houses, buildings, wells, roads and bridges, water and sewer utilities, septic fields, and storm drainage features.

(d) Proposed and existing roads, points of ingress and egress along with access control such as gates, fences, or berms.

(e) Buffer and set back lines along with the buffered boundary or feature.

(f) Springs, streams, creeks, rivers, ponds, and other waters and impoundments.

(g) Wetlands, if any.

(h) Boundary of the proposed waste area.

(i) Existing topography with contours at a minimum of five foot intervals. Where necessary, a smaller interval shall be utilized to clarify existing topographic conditions.

(j) Proposed excavation, grading, and final contours at a minimum of five foot intervals. Where necessary, a smaller interval shall be utilized to clarify proposed grading. Excavation, grading, and fill material side slopes shall not exceed three to one (3:1).

(k) Where on site borrow for operational and final cover is proposed, indicate the borrow excavation and grading plan with contours at a minimum of five foot intervals. Where necessary, a smaller interval shall be utilized to clarify proposed grading.

(l) Proposed surface water control features and devices such as slope drains, storm water pipes, inlets, culverts, and channels.

(m) Information showing that the project meets the requirements of 15A NCAC 4, Sedimentation Control Rules.

(n) Location of test borings or test pits, if used to determine the seasonal high water table elevation, shall be shown on the plans.

(o) A minimum of two cross-sections, one each along each major axis, per operational area showing:

(i) Original elevations.

(ii) Proposed excavation.

(iii) Proposed final elevations.

(4) An operational plan addressing the requirements under Rule .0566 of this Section and containing the following information shall be submitted with the application for a proposed Land Clearing and Inert Debris (LCID) landfill:

(a) Name, address, and phone number of individual responsible for operation and maintenance of the facility.

(b) Projected use of the land after completion.

(c) Description of systematic usage of disposal area, operation, orderly development and closure of the landfill.

(d) Type, source, and quantity of waste to be accepted.

(e) An emergency contingency plan, including fire fighting procedures.

History Note: Statutory Authority G.S. 130A-294;
Eff. January 4, 1993.

.0566 OPERATIONAL REQ. FOR LAND CLEARING/INERT DEBRIS (LCID) LANDFILLS

Land Clearing and Inert Debris (LCID) landfills shall meet the following operational requirements:

(1) Operational plans shall be approved and followed as specified for the facility.

(2) The facility shall only accept those solid wastes which it is permitted to receive.

(3) Solid waste shall be restricted to the smallest area feasible and compacted as densely as practical into cells.

(4) Adequate soil cover shall be applied monthly, or when the active area reaches one acre in size, whichever occurs first.

(5) 120 calendar days after completion of any phase of disposal operations, or upon revocation of a permit, the disposal area shall be covered with a minimum of one foot of suitable soil cover sloped to allow surface water runoff in a controlled manner. The Division may require further action in order to correct any condition which is or may become injurious to the public health, or a nuisance to the community.

(6) Adequate erosion control measures, structures, or devices shall be utilized to prevent silt from leaving the site and to prevent excessive on site erosion.

(7) Provisions for a ground cover sufficient to restrain erosion must be accomplished within 30 working days or 120 calendar days upon completion of any phase of landfill development.

(8) The facility shall be adequately secured by means of gates, chains, berms, fences, etc. to prevent unauthorized access except when an operator is on duty. An attendant shall be on duty at all times while the landfill is open for public use to assure compliance with operational requirements and to prevent acceptance of unauthorized wastes.

(9) Access roads shall be of all-weather construction and properly maintained.

(10) Surface water shall be diverted from the working face and shall not be impounded over waste.

(11) Solid waste shall not be disposed of in water.

(12) Open burning of solid waste is prohibited.

(13) The concentration of explosive gases generated by the facility shall not exceed:

(a) Twenty-five percent of the lower explosive limit for the gases in facility structures.

(b) The lower explosive limit for the gases at the property boundary.

(14) Leachate shall be properly managed on site through the use of current best management practices.

(15) Should the Division deem it necessary, ground water or surface water monitoring, or both, may be required as provided for under Rules .0601 and .0602 of this Subchapter.

(16) A sign shall be posted at the facility entrance showing the contact name and number in case of an emergency and the permit number. The permit number requirement is not applicable for facilities not requiring an individual permit.

History Note: Statutory Authority G.S. 130A-294;
Eff. January 4, 1993.

SECTION .0600 - MONITORING REQUIREMENTS

Rules .0601 - .0602 of Title 15A Subchapter 13B of the North Carolina Administrative Code (T15A.13B .0601 - .0602); have been transferred and recodified from Rules .0601 - .0602 of Title 10 Subchapter 10G of the North Carolina Administrative Code (T10.10G .0601 - .0602), effective April 4, 1990.

.0601 GROUND-WATER MONITORING

(a) The Division shall require a solid waste management facility to provide such ground-water monitoring capability as the Division determines to be necessary to detect the effects of the facility on ground-water in the area. In making such a determination, the Division shall consider the following factors:

(1) the design of the facility, the nature of the processes it will use, and the type of waste it will handle;
(2) soil and other geological conditions in the area;
(3) nearness of ground-water to the facility;
(4) uses that are being or may be made of any ground-water that may be affected by the facility; and
(5) any other factors that reasonably relate to the potential for ground-water effects from the facility.

(b) Responsibility for sample collection and analysis will be defined as a part of the permit condition.

(c) Any other information that the Division deems pertinent to the development of a ground-water monitoring system will be required.

(d) All monitoring wells required pursuant to this Rule shall comply with monitoring well construction standards of 15A NCAC 2C .0105. Copies of 15A NCAC 2C may be obtained from and inspected at the Division.

(e) A record of well installation shall be filed with the Division upon completion of the monitoring wells.

(f) Groundwater quality monitoring wells shall be constructed of materials, and by procedures, approved by the Division.

History Note: Statutory Authority G.S. 130A-294;
Eff. April 1, 1982;
Amended Eff. September 1, 1990; August 1, 1988; January 1, 1985.

.0602 SURFACE WATER MONITORING

(a) The Division shall require a solid waste management facility to provide such surface water monitoring capability as the Division determines to be necessary to detect the effects of the facility on surface water in the area. In making such a determination, the Division shall consider the following factors:

(1) the design of the facility, the nature of the process it will use, and the type of waste it will handle;
(2) drainage patterns and other hydrological conditions in the area;
(3) nearness of surface water to the facility;
(4) uses that are being or may be made of any surface water that may be affected by the facility; and
(5) any other factors that reasonably relate to the potential for surface water effects from the facility.

(b) Responsibility for sample collection and analysis will be defined as a part of the permit conditions.

(c) Any other information that the Division deems pertinent to the development of a surface water monitoring system will be required.

History Note: Statutory Authority G.S. 130A-294;
Eff. April 1, 1982.

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

DEHNR

September 26, 1994

R. D. Nelson
Environmental Affairs Officer
United States Marine Corps
Marine Corps Air Station
Cherry Point, North Carolina 28533-5001

Attn: John Meyers

Ref: Solid Waste Permit 25-B
Waste Disposal Request

Mr. Nelson:

The North Carolina Division of Solid Waste Management, Solid Waste Section (Section) has reviewed your request dated July 7, 1994 to allow disposal of roofing debris and coal fragment in the above reference landfill.

North Carolina Solid Waste Management Rules, 15A NCAC 13B .0560 regulate disposal activities in Land Clearing & Inert Debris (LCID) landfills, formally known as "demolition" landfills. These types of landfills are permitted to receive the following types of waste:

- Land Clearing Waste as provided for in 15A NCAC 13B .0101(72); stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material.
- Inert Debris and untreated wood as provided for in 15A NCAC 13B .0101(73); concrete, brick, concrete block, uncontaminated soil, gravel and rock, untreated and unpainted wood.
- Used asphalt as provided for under North Carolina General Statute §130A-309.09B(a)(1); used asphalt or used asphalt mixed with dirt, sand, gravel, rock, and concrete.

Under North Carolina Solid Waste Management Rules and North Carolina General Statutes, roofing debris (tar and tar contaminated rock) and coal debris cannot be disposed of at this facility. Paving asphalt may be disposed of at this facility.

If you have any questions or if we can provide any other assistance, please do not hesitate to contact the Regional Waste Management Specialist, Mr. Billy Morris at (919) 946-6481 or this office.

Sincerely,

James C. Coffey

James C. Coffey
Supervisor, Permitting Branch

copy: Billy Morris - DSWM
Susan Wright - DSWM
Jim Barber - DSWM

A:\LEJEUNE\VERTICAL\LTR.6

UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
CHERRY POINT, NORTH CAROLINA 28533-5001

6280
LN
7 Jul 94

Mr. Bill Morris
North Carolina Department of Environment,
Health and Natural Resources
Division of Environmental Management
1424 Carolina Avenue
Washington, North Carolina 27889

Dear Mr. Morris:

Request that Permit #25-B be modified to allow the following materials to be disposed of in the Marine Corps Air Station, Cherry Point Debris Landfill.

- Tar and rock (roofing debris).
- Coal fragments from the Air Station heating plant (consist of mixed particles and fragments from sand size to approximately one-inch diameter). Approximately 10 tons are generated monthly.
- Asphalt debris.

Request that you provide a written response to this request at your earliest convenience. If you have questions or require additional information, please contact John Myers of the Environmental Affairs Department at (919) 466-4903.

Sincerely,

R. D. NELSON
Environmental Affairs Officer
By direction of
the Commanding General

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

DEHNR

Your copy

August 11, 1994

MEMORANDUM

TO: Michael Kelly, Deputy Director
Division of Solid Waste Management

FROM: Philip J. Prete, Supervisor
Field Operations Branch

Subject: Environmental Assessment - Base Realignment, Naval Aviation Depot
Cherry Point, Craven County, North Carolina

The Solid Waste Section has reviewed the proposed project and has seen no adverse impact on the surrounding community and likewise knows of no situations in the community which would affect the project.

The Marine Corp Air Station should be advised that all solid wastes must be disposed of at only properly permitted facilities. Further, the Marine Corp Air Station is encouraged to see that every feasible effort is made to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the project where suitable. Questions should be directed to the Solid Waste Section, Bill Morris, Waste Management Specialist, at (919) 946-6481.

PJP/lcf

cc: Bill Morris, Waste Management Specialist

P.O. Box 27687, Raleigh, North Carolina 27611-7687 Telephone 919-733-4996 FAX 919-715-3605
An Equal Opportunity Affirmative Action Employer 50% recycled/ 10% post-consumer paper

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

DEHNR

August 17, 1994

MEMORANDUM

TO: Ms. Melba McGee
Office of Policy Development

FROM: Michael A. Kelly
Deputy Director

SUBJECT: Environmental Assessment-Base Realignment Naval Aviation Depot Cherry Point, North Carolina

The Solid Waste Management Division has reviewed and commented on the above-referenced project. Please find enclosed separate comments from the Hazardous Waste Section, Solid Waste Section and Superfund Section.

Should you have additional questions, please feel free to contact our office.

MK:tf

Enclosures

cc: Jerry Rhodes
Dexter Matthews
Jack Butler

P.O. Box 27687, Raleigh, North Carolina 27611-7687 Telephone 919-733-4996 FAX 919-715-3605
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Department of Environment, Health, and Natural Resources
Office of Policy Development
Project Review Form

RECEIVED Solid Waste AUG 8 1994 MANAGEMENT BR.

☐ Project located in 7th floor library

Project Number:	County:	Date:	Date Response Due (firm deadline):
95-0075	Carteret Co.	8/5/94	8/22/94

Routed: S.W. H.W. SF 8-8-94 Due 8-19-94

This project is being reviewed as indicated below:

Regional Office/Phone	Regional Office Area	In-House Review	
☐ Asheville	☐ All R/O Areas	☐ Soil and Water	☒ Marine Fisheries
☐ Fayetteville	☒ Air	☒ Coastal Management	☐ Water Planning
☐ Mooresville	☒ Water	☐ Water Resources	☐ Environmental Health
☐ Raleigh	☒ Groundwater	☒ Wildlife	☒ Solid Waste Management
☐ Washington	☒ Land Quality Engineer	☐ Forest Resources	☐ Radiation Protection
☒ Wilmington	☐ Recreational Consultant	☐ Land Resources	☐ David Foster
☐ Winston-Salem	☐ Coastal Management Consultant	☒ Parks and Recreation	☒ Other (specify)
	☐ Others	☒ Environmental Management	
		Monica	Bill Flowers

Manager Sign-Off/Region:	Date:	In-House Reviewer/Agency:

Response (check all applicable)

Regional Office response to be compiled and completed by Regional Manager.

☐ No objection to project as proposed

☐ No Comment

☐ Insufficient information to complete review

☐ Approve

☐ Permit(s) needed (permit files have been checked)

☐ Recommended for further development with recommendations for strengthening (comments attached)

☐ Recommended for further development if specific & substantive changes incorporated by funding agency (comments attached/authority(ies) cited)

In-House Reviewer complete individual response.

☐ Not recommended for further development for reasons stated in attached comments (authority(ies) cited)

☐ Applicant has been contacted

☐ Applicant has not been contacted

☐ Project Controversial (comments attached)

☐ Consistency Statement needed (comments attached)

☐ Consistency Statement not needed

☐ Full EIS must be required under the provisions of NEPA and SEPA

☐ Other (specify and attach comments)

TURN TO:

Melba McGee, Office of Policy Development

ENVIRONMENTAL ASSESSMENT

BASE REALIGNMENT
NAVAL AVIATION DEPOT
CHERRY POINT, NORTH CAROLINA

US Navy
Naval Facilities Engineering Command
Atlantic Division
Norfolk, VA

and

Naval Aviation Depot
Cherry Point, NC

June 1994

a5-B
CRAVEN

DEPARTMENT OF THE NAVY

NAVAL AVIATION DEPOT
MARINE CORPS AIR STATION
CHERRY POINT, NORTH CAROLINA 28533-5030

IN REPLY REFER TO:

5090
Ser 647-JF/0010
10 MAR 1992

SOLID WASTE SECTION
MAR 18 1992

Mr. Terry Dover
Department of Environment, Health, and Natural Resources
Solid Waste Management Section
Suite 601 Wachovia Building
225 Green Street
Fayetteville, NC 28301-5095

As per telephone conversation of 26 February 1992, we will dispose of any concrete rubble associated with the removal of decommissioned underground storage tanks in the Marine Corps Air Station demolition land fill. Prior to placing concrete rubble (above ground water elevation) in the land fill, it will be cleaned and allowed to dry volatilizing any petroleum products that may have been absorbed.

We concur that this disposal method will be environmentally and economically sound.

Thank you for your assistance in resolving this matter. For additional information please contact Joseph Freemon (Code 647), at (919) 466-7647.

Sincerely,

J. E. Dickinson

J. E. DICKINSON
Facilities Engineering Division Director

25-B Craven

UNITED STATES MARINE CORPS
Marine Corps Air Station
Cherry Point, North Carolina 28533-5001

IN REPLY REFER TO
6280
LM
2 APR 1985

RECEIVED
APR 4 1985
SOLID & HAZARDOUS WASTE MANAGEMENT BRANCH

Mr. Gordon Layton
Solid and Hazardous Waste
Management Branch
Environmental Health Section
Division of Health Services
P.O. Box 2091
Raleigh, North Carolina 27603-2091

Dear Mr. Layton:

This letter is to confirm agreements reached between your office and Marine Corps Air Station Cherry Point, North Carolina regarding disposal of sludge from a sanitary sewer repair contract that will be underway here for the next 12 to 18 months.

Your cooperation is appreciated.

Sincerely,

B. D. Waddell

B. D. WADDELL, Col., USMC
Director, Installations and Logistics
By direction of
the Commanding General

Encl: Memorandum for the Record
Facilities Maintenance Department
E.P. Toxicity Test Results

cc: Mr. Fred Wood
N. C. Department of Human Resources
Solid and Hazardous Waste
Management Branch
Environmental Health Section
404 St. Andrews Street
Greenville, North Carolina 27834

Officer in Charge of Construction
Stop 10A
MCAS Cherry Point, North Carolina 28533-5010

MATERIAL SUPPORT DEPARTMENT
Installations and Logistics
Marine Corps Air Station
Cherry Point, North Carolina 28533-5000

6280
LM

28 MAR 1985

MEMORANDUM FOR THE RECORD

Subj: CONTRACT N62470-83-C-5738, SANITARY SEWER REPAIRS AT MARINE CORPS AIR STATION (MCAS) CHERRY POINT, NORTH CAROLINA

Ref: (a) Mtg attended by Lt. J. D. Schuelke (OICC, Cherry Pt), Inspector Dave Ulman (Scovil & Rairden), Mr. J. Boatman (Boatman Construction, Inc), and Messrs. Steve Miko, Doug Nelson, and Phil Fisher (MCAS Cherry Pt) on 8 Mar 1985
(b) 40 CRF 261.24
(c) Fonecon btwn Mr. Gary Edwards (MCAS Cherry Pt) and Mr. Gordon Layton (NCDHS, Solid and Hazardous Waste Management Branch) on 18 Mar 1985
(d) Fonecon btwn Mr. Doug Nelson (MCAS Cherry Pt) and Mr. Fred Wood (NCDHS, Solid and Hazardous Waste Management Branch) on 19 Mar 1985
(e) Fonecon btwn Mr. Steve Miko (LC, Cherry Pt) and Mr. Phil Fisher (LM, Cherry Pt) on 27 Mar 1985
(f) Fonecon btwn Mr. Roger Coley (OICC, Cherry Pt), and Mr. Phil Fisher (LM, Cherry Pt) on 27 Mar 1985

1. The subject contract requires cleaning of existing sanitary sewer lines at MCAS Cherry Point. Sludge from the cleaning operation is to be removed from Government property and disposed of properly. When the contractor, Boatman Construction, Inc., applied for permits from the North Carolina Division of Health Services, Solid and Hazard Waste Management Branch, Mr. Fred Wood required that either the contractor or MCAS Cherry Point certify that sludge from the cleaning operation was not hazardous waste. Certification of this nature was considered beyond the scope of the contract. Reference (a) discussed a solution to the problem.

2. As a result of agreements made during reference (a), the contractor ran one E.P. Toxicity Test on the sludge in his holding tank, and the Facilities Maintenance Department (LC) collected sludge samples from eight different manholes in the industrial area and ran an E.P. Toxicity Text on each sample. Test results showed concentrations of heavy metals in the sludge far below hazardous waste limits as established in reference (b).

3. All test results were provided to the North Carolina Division of Health Services. During reference (c), it was agreed that sludges collected during this contract may be disposed of in an approved landfill. During reference (d), it was agreed that the landfill area adjacent to the sanitary waste treatment plant was satisfactory for disposal. Material may be used as surface cover.

4. The Facilities Maintenance Department is the Station Department tasked with management of the landfill area adjacent to the sanitary waste treatment plant. By reference (e), they have agreed to allow the contractor the

Encl (1)

Subj: CONTRACT N62470-83-C-5738, SANITARY SEWER REPAIRS AT MARINE CORPS AIR STATION (MCAS) CHERRY POINT, NORTH CAROLINA

use of the landfill area provided that the contractor place sludge where directed by LC personnel, use the landfill only as a drying bed, remove the majority of the dried sludge from Government property, and dispose of dried sludge in compliance with federal, state, and local requirements. In performance of this work, the contractor should not disturb existing cover soil to a depth greater than six inches. By reference (f), it was acknowledged that these requirements on the contractor may result in extra cost to the Government. If a change order is necessary, action lies with the Officer in Charge of Construction, MCAS Cherry Point.

5. Point of contact at MCAS Cherry Point for landfill management is Mr. John Canady, LC, telephone 466-3426. Point of contact for environmental affairs is Mr. Doug Nelson, Natural Resources and Environmental Affairs, telephone 466-3631. Point of contact for change order funds is Mr. Gary Barrett, Facilities Development Department, telephone 466-2831.

Philip G Fisher

PHILIP G. FISHER
Material Support Officer, Acting

FACILITIES MAINTENANCE DEPARTMENT

E.P. TOXICITY TEST RESULTS

Manhole Number Sample Point	CR	CU	CD	NI	ZN	PB	AG
13	0.03	0.03	0.01	0.45	8.48	0.27	0.00
106	0.00	0.01	0.00	0.28	2.81	0.05	0.00
189	0.04	0.05	0.04	10.71	3.83	0.23	0.01
43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
553	0.00	0.00	0.00	0.00	0.00	0.00	0.00
570	0.00	0.00	0.00	0.00	0.00	0.00	0.00
734	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(All results are reported in MG/L)

Encl(2)

Craven

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

Permits

CERTIFICATION OF RECORDATION OF SOLID WASTE PERMIT

The Certified Copy of Permit # 25-B was recorded on Page 806, Book 1010; on this 12 day of October, 1982 at 9:20 a.m.

Register of Deeds

(seal)

To Landfill Owner/Operator:

In order for this permit to be valid it must be recorded as specified in the Permit. This certification of recordation must be received by the Solid & Hazardous Waste Management Branch, Division of Health Services, P.O. Box 2091, Raleigh, NC 27602, prior to receiving solid waste at the disposal site.

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

September 23, 1982

Commanding General
U. S. Marine Corps
Marine Corps Air Station
Cherry Point, NC 28533

Re: Demolition Landfill at Cherry Point MCAS

Dear Sir:

The enclosed plan is approved in accordance with G.S. 130-166. Permit Number 25-B is issued under conditions provided for on the permit.

Please note the conditions of the permit (see attached).

If you have any questions, please advise.

Respectfully,

J. Gordon Layton, Environmental Engineer
Solid & Hazardous Waste Management Branch
Environmental Health Section

JGL:ns
Enclosure
cc: Fred J. Wood
Terry F. Dover
Becky Herbig

PERMIT NO. 25-B

DATE ISSUED 9/23/82

STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
Division of Health Services
P.O. Box 2091 Raleigh 27602

SOLID WASTE PERMIT

CHERRY POINT, MCAS is hereby issued a permit to operate a DEMOLITION LANDFILL located ON BASE, in accordance with Article 13B of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located on the below described property.

This description is based on the North Carolina Grid Coordinate System.

BEGINNING at coordinates 432,643.35 / 2,631,836.92
thence S 04° 52' 34" E 1060',
thence S 85° 07' 26" W 290.00',
thence N 82° 57' 34" W 378.00',
thence N 51° 27' 34" W 590.00',
thence N 01° 35' E 295.00',
thence N 58° 05' 25" E 623.33',
thence S 85° 07' 26" W 500.00' to the beginning.

O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

DHS Form 2871 (Rev. 1/82)
Solid & Hazardous Waste Management Branch

PERMIT NO. 25-B

DATE ISSUED 9/23/82

SOLID WASTE PERMIT

Conditions of Permit:

1. This permit may be subject to review at an administrative hearing upon petition of anyone whose legal rights, privileges, and duties may have been affected by the issuance thereof.

2. This permit shall not be effective unless the certified copy is filed in the register of deeds' office, in the grantor index under the name of the owner of the land in the county or counties in which the land is located.

3. The "Certification of Recordation of Solid Waste Permit" returned to the Solid and Hazardous Waste Management Branch.

4. This solid waste disposal site is permitted to receive stumps, limbs, leaves, concrete, masonry, wood, and uncontaminated earth.

5. This permit is for construction according to plans prepared by McDowell-Jones, P.A. dated June 3, 1982. Any modification or deviation from the approved plans shall be approved by the North Carolina Solid and Hazardous Waste Management Branch.