

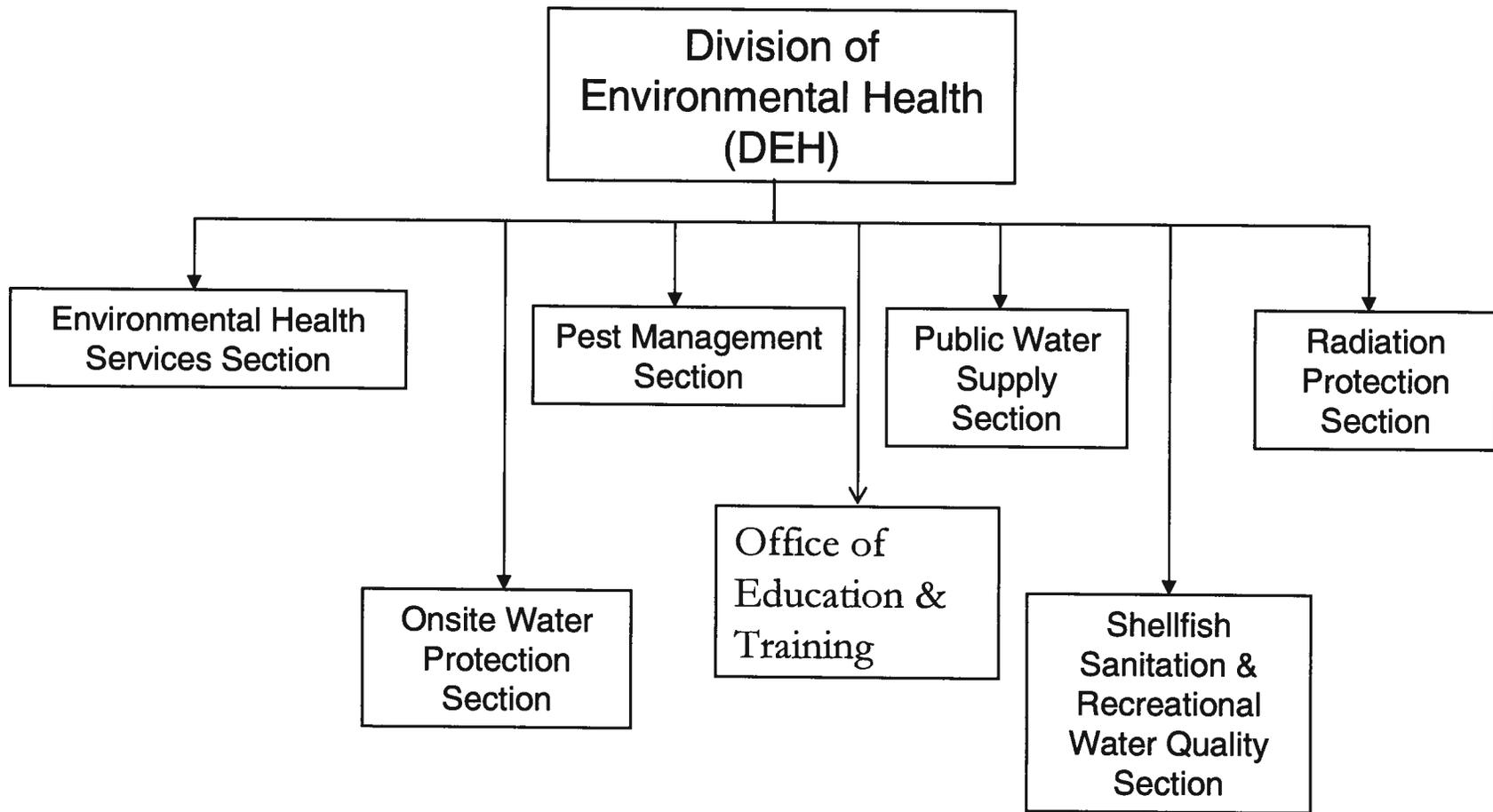
DIVISION OF ENVIRONMENTAL HEALTH

**Michael A. Kelly
Deputy Director**

Mission Statement

“To safeguard life, promote human health, and protect the environment through the practice of modern environmental health science, the use of technology, rules, public education, and above all, dedication to the public trust.”

Division of Environmental Health (DEH) Organizational Hierarchy



PUBLIC WATER SUPPLY

- **PUBLIC WATER SYSTEMS**
 - **Monitoring MCL Compliance**
 - **Conduct water system inspections**
 - **Training & assistance to personnel**
 - **Certification**
 - **Engineering plan review**

ON-SITE WATER PROTECTION

- **REVIEW PERMITS FOR SEPTIC SYSTEMS**
- **ASSISTANCE & TRAINING TO LOCAL HEALTH DEPARTMENTS**
- **ON-SITE WASTEWATER DISPOSAL, RESEARCH, & DEVELOPMENT**
- **PRIVATE WELL PROTECTION**

On-Site Water Protection (OSWP)

**Septic tanks/ Subsurface Dispersal
Private Water Supply Wells
Local Health Departments (LHDs):
permitting agencies**

OSWP/LHDs

Human waste

Hand wash facilities

Process wastewater

Water supply

Waste Water Systems

Animal Waste

- **Division of Water Quality: \geq 100 animal units**
- **Soil & Water Conservation: $<$ 100 animal units**

Guidance Document for Goat Dairy Farm Operations

- **OSWP guidance document in draft stages**
- **Covers milking and cheese operations**
- **Series of questions & simple calculations**
- **Helps determine size of septic tank and appropriate permitting agency**

Septic Tank Permits

- **State rules: < 3,000 gpd – LHD, \geq 3,000 gpd, and industrial process waste-water systems require state review**
- **Exceptions: Businesses, multi-family dwellings**
- **Guidance for Goat Dairy Operations: < 1,000 gpd, LHD; \geq 1,000 gpd, State**

ENVIRONMENTAL HEALTH

- **Regulate SANITATION OF RETAIL FOOD SERVICE**
- **Evaluate STATE OWNED INSTITUTIONS**
- **Investigate FOOD BORNE ILLNESS**
- **Train & Authorize Local HEALTH AGENTS**
- **Regulate GRADE A MILK OPERATIONS**
- **Regulate CHILDCARE SANITATION**
- **Regulate Nursing Home/ Hospitals & Prisons SANITATION**
- **NON FOOD RELATED REGULATION**
 - **Lodging Facilities**
 - **TATTOO ARTISTS**
 - **Investigate CHILDHOOD LEAD POISONING**
 - **PUBLIC SWIMMING POOLS**
 - **Water systems of all facilities under regulation**

Grade A Milk Program

- Inspects existing dairy farms and milk processing plants (approximately 290 in the state)
- Provides guidance & assistance for new/renovated/expanded operations

Grade A Milk: New, Expanded, or Renovated Facilities

- **Application process**
- **Provides reference materials**
- **Helps decide permitting agency (DWQ, Soil & Water, or LHD)**
- **State staff serve much the same as an Ombudsman**

Grade A Milk Facilities

- Well construction standards .1700 Rules
- On-site toilet facility
- Must have approved waste disposal plans
- LHD: Wells/septic tanks
- State: Assistance/site visits
- State: Assumes inspections for new facilities

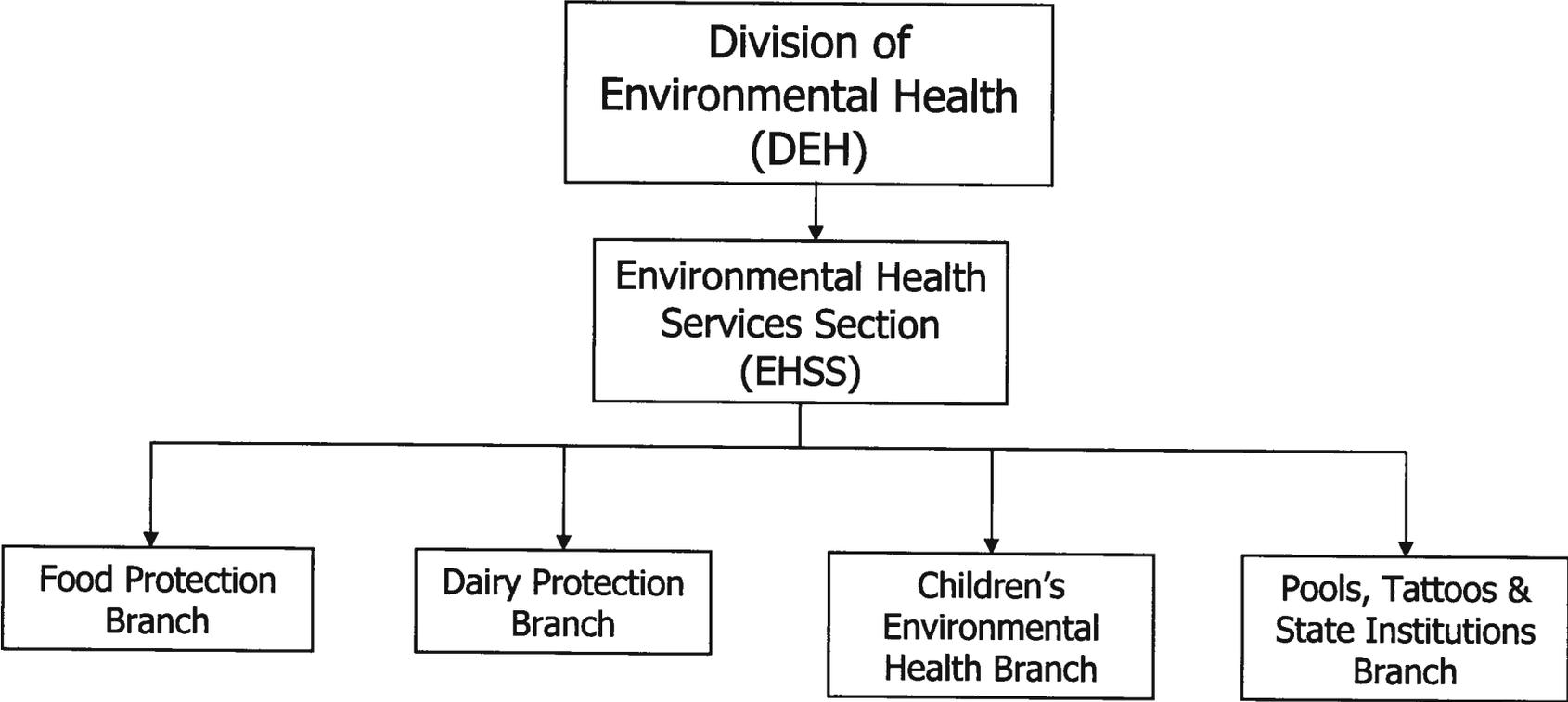
References/Help

- Division of Environmental Health web site is www.deh.enr.state.nc.us/
- Department of Environment & Natural Resources: Division of Environmental Assistance & Outreach
- Small business help/ ombudsman
1-877-623-6748

Environmental Health Services Section Programs & Food Protection

**Larry Michael
Food Protection Branch Head
Environmental Health Services Section
Division of Environmental Health
NC DENR**

Environmental Health Services Section (EHSS) Organizational Hierarchy

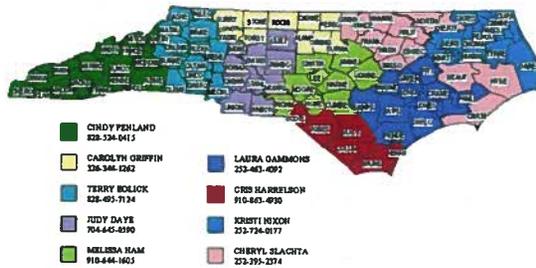


EHSS Staff

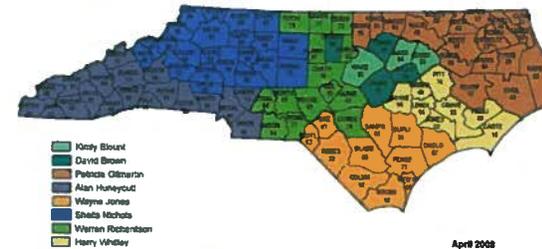
- **26 Regional Environmental Health Specialists**
 - **Oversee local health department environmental health programs**
 - **Provide technical assistance**
 - **Authorize local personnel as DEH agents**
 - **Required to be Registered Environmental Health Specialists (REHS)**

Regional Territories

NORTH CAROLINA DEPARTMENT
OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
REGIONAL ENVIRONMENTAL HEALTH SPECIALISTS
FOOD PROTECTION BRANCH
EFFECTIVE May 15, 2008



Food Protection Branch



April 2008

Children's Environmental Health Branch

Pools, Tattoos and State Institutional Program
EFFECTIVE MAY 2007



Pools, Tattoos, & State Institutions Branch

NORTH CAROLINA
DIVISION OF ENVIRONMENTAL HEALTH
DAIRY PROTECTION BRANCH
REGIONAL MILK SPECIALISTS
October 2007



Dairy Protection Branch

Local Health Department Staff

- All local Environmental Health staff are trained and authorized by DEH regional personnel
- Must meet minimum educational qualifications and become a REHS within 3 years
- Local EH staff are agents of DEH
- Based within 86 local health departments statewide (covering 100 counties)

Food Protection Branch Mission Statement

To reduce the risk of foodborne illness and other communicable diseases by ensuring reasonable protection by providing progressive leadership, resources, and education for the promotion of public health, safety and confidence for the people.

Types of Facilities

Retail Food

- Restaurants
- Food stands
- Mobile food units
- Pushcarts
- Temporary food establishments
- Meat markets
- School cafeterias
- Elderly nutrition sites

Institutions

- Hospital Food Service
- Nursing home/rest home food service
- Local confinement food service
- Prison food service

Other

- Child Care Center food service
- Lodging food service

Inspection Methods

- **Inspection procedures are prioritized based on the five CDC risk factors for FBI:**
 - **Unapproved sources of food (15A NCAC 18A .2608)**
 - **Poor employee hygiene**
 - **Contaminated equipment/cross contamination**
 - **Improper food temperatures**
 - **Improper cooking temperatures**

Monitoring of FBI Risk Factors

- Inspections of food service establishments
 - Mandated 1-4 times per year minimum
 - Inspection frequency is based on the risk involved in the procedures used by the establishment, type of food, and population served
 - Follow-up inspections may be performed
 - Inspections in response to complaints, suspect behavior, etc., can be performed at any time

Food Defense

- **Food Defense Coordinator**
 - On-call 24/7
 - Intentional and unintentional contamination of food
 - Coordinates with Local Health Departments
 - Foodborne illness outbreak investigations
 - Food Tampering
 - Emergency Response Activities
 - Recalls

Integrated Strategy for Food Protection

- Promoting inter-agency cooperation and communication between agencies
 - Prevention
 - Intervention
 - Response
 - Recovery
- NC Food Safety & Defense Task Force



Questions/Comments

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