Preamble:
The Community Medicine Specialist uses current population health knowledge and skills to play leading and collaborative roles in the maintenance and improvement of the health and well being of the community. Through inter-disciplinary and inter-sectoral partnerships, the Community Medicine Specialist measures the health needs of populations and develops strategies for improving health and well being through health promotion, disease prevention and health protection.

General Objectives:
In the course of the rotation residents will gain experience in assessing environmental health needs of a population; investigating environmental health issues; assessing sociopolitical realities and advocating the appropriate action to improve health; plan, implement and evaluate environmental health programs and/or strategies; contribute to the formulation of public policy; collaborate and build partnerships; contribute to the body of knowledge of community medicine; demonstrate ethical attitudes and behaviour; demonstrate leadership skills.

Medical Expert/Clinical Decision maker
Assessment: Demonstrate skill in the assessment of the health of a population as it relates to environmental issues in a variety of settings, and using a variety of methods. These include the ability to access and interpret existing environmental health data sources and indicators; demographics; social and economic factors; epidemiologic data; risk assessment; hazard analysis. Demonstrate the ability to gather information, analyze and describe the health of the population as it pertains to the environmental health issue at hand. Demonstrate ability to interpret epidemiologic studies and apply knowledge in a particular situation. Identify and demonstrate an understanding of the physical environment factors including noise, pollutants, industrial processes that are relevant to the issue at hand and their impact on health. Understand the principles of toxicology. Understand characteristics and methods for monitoring water, soil, food, air. Describe the natural history, epidemiology, risk factors, health burden and control measures for the major environmental health hazards and diseases. Describe the main methods of dealing with common environmental issues such as water and sewage treatment, and quality control of food.

Interventions: Demonstrate skill in investigating and managing an environmental health hazard. Carry out a simple risk assessment. Demonstrate knowledge in the development and implementation of surveillance and control methods. Apply the principles and strategies of harm reduction, health protection, disease prevention and health promotion to a population. Contribute to the development of a community disaster plan. Use appropriate legislation in response to an environmental health issue.

Communicator:
Demonstrate skill in communicating assessment and recommendations related to an environmental health issue (including rationale) to community partners, service providers, policy
makers and the public, both orally and in writing. Develop a communication plan about an environmental health issue, including a media component. Demonstrate knowledge of principles of risk communication. Respond to media enquiries about environmental health issues. Demonstrate effective listening skills, and elicit and provide feedback. Demonstrate group facilitation skills.

**Collaborator:**
Develop effective relationships for gathering and sharing of information with physicians and other service providers, community partners, clients and patients. Effectively participate in interdisciplinary teams for the purpose of information exchange, conflict resolution and problem solving. Identify and seek out appropriate partners who can contribute to the assessment and resolution of a health issue. Employ a variety of means to engage stakeholders. Clearly articulate the goals and objectives of a given collaborative process. Identify and describe the role and expected contribution of members of an interdisciplinary team assembled to address an environmental health issue. Demonstrate collaborative approach to delivery of services.

**Manager:**
Environmental Program planning: Conduct a needs assessment. Prioritize program alternatives. Undertake design, implementation and evaluation of a program. Understand and use leadership, negotiation, and conflict resolution skills. Develop an organizational policy and procedure. Set an agenda, chair a meeting, act as secretary.

**Health Advocate:**
Apply knowledge of distribution and determinants of health status information to develop a position on an environmental issue. Demonstrate policy development and implementation. Identify opportunities for policy change and/or advocacy. Define an advocacy position and defend it persuasively. Understand and utilize strategies to support policy change. Demonstrate ability to assist development of community capacity.

**Scholar:**
Pose a research question and participate actively in research process (e.g. epidemiologic research, risk assessment, evaluative research). Contribute to new knowledge through dissemination of findings. Develop a personal learning plan. Provide educational and training support to others (colleagues, public). Demonstrate ability to critically appraise research and literature. Demonstrate ability to use and interpret statistics. Carry out a field investigation or survey.

**Professional:**
Evaluates own skills and abilities, knows limits of professional competence, knows when to consult with others. Identifies ethical issues (e.g. informed consent, privacy rights, conflict of interest) in the course of practice and applies appropriate strategy to address them. Recognize and respond effectively to unprofessional behaviours in others. Demonstrate awareness of and exhibit appropriate interpersonal behaviours in professional relationships. Find opportunities to evaluate and improve skills in this area.