



INSPECTOR TRAINING COMPENDIUM, COURSE AND PROGRAM COMPARISON

Capacity Building Support Document
for Environmental Compliance
and Enforcement Programs



Ministry of Housing,
Spatial Planning,
and the Environment
(VROM) The Netherlands



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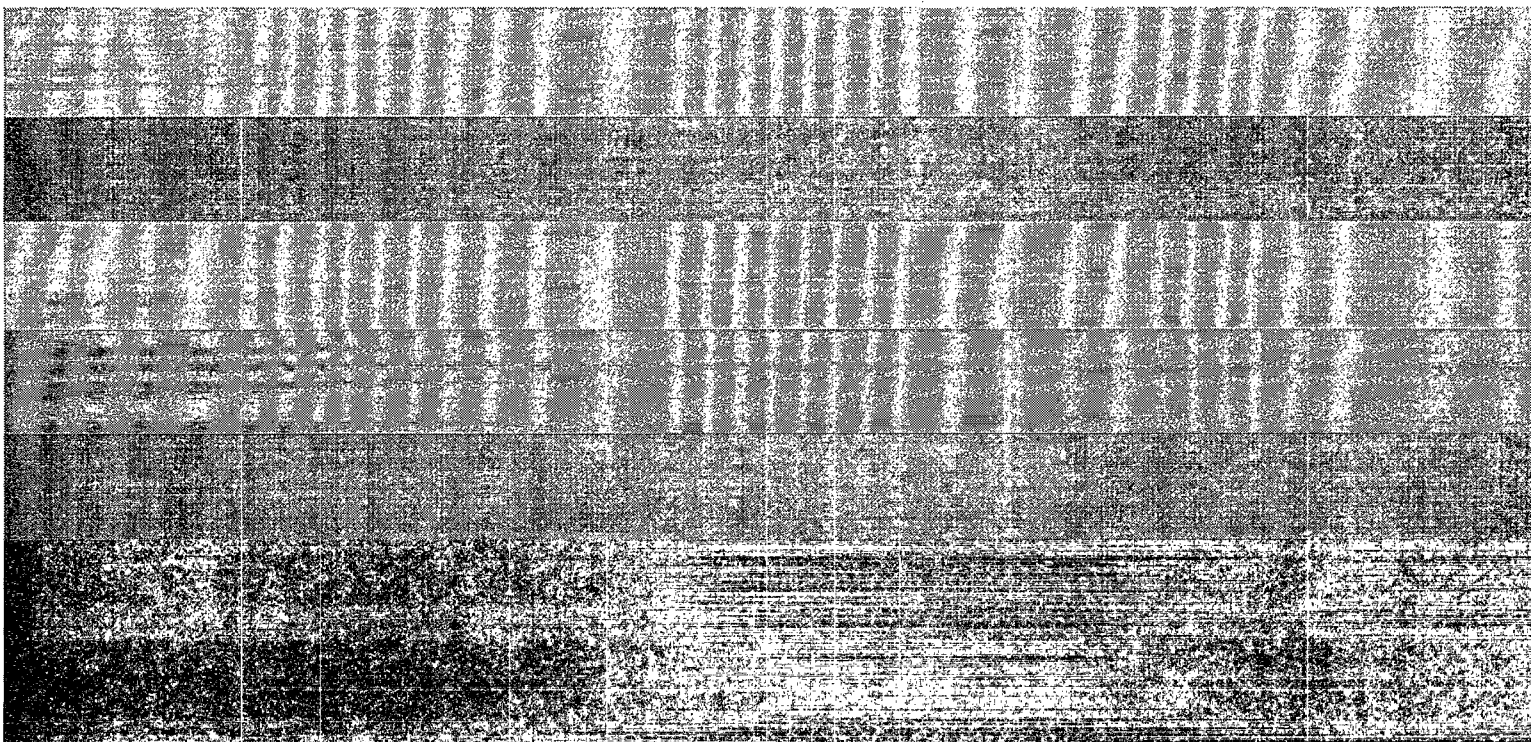
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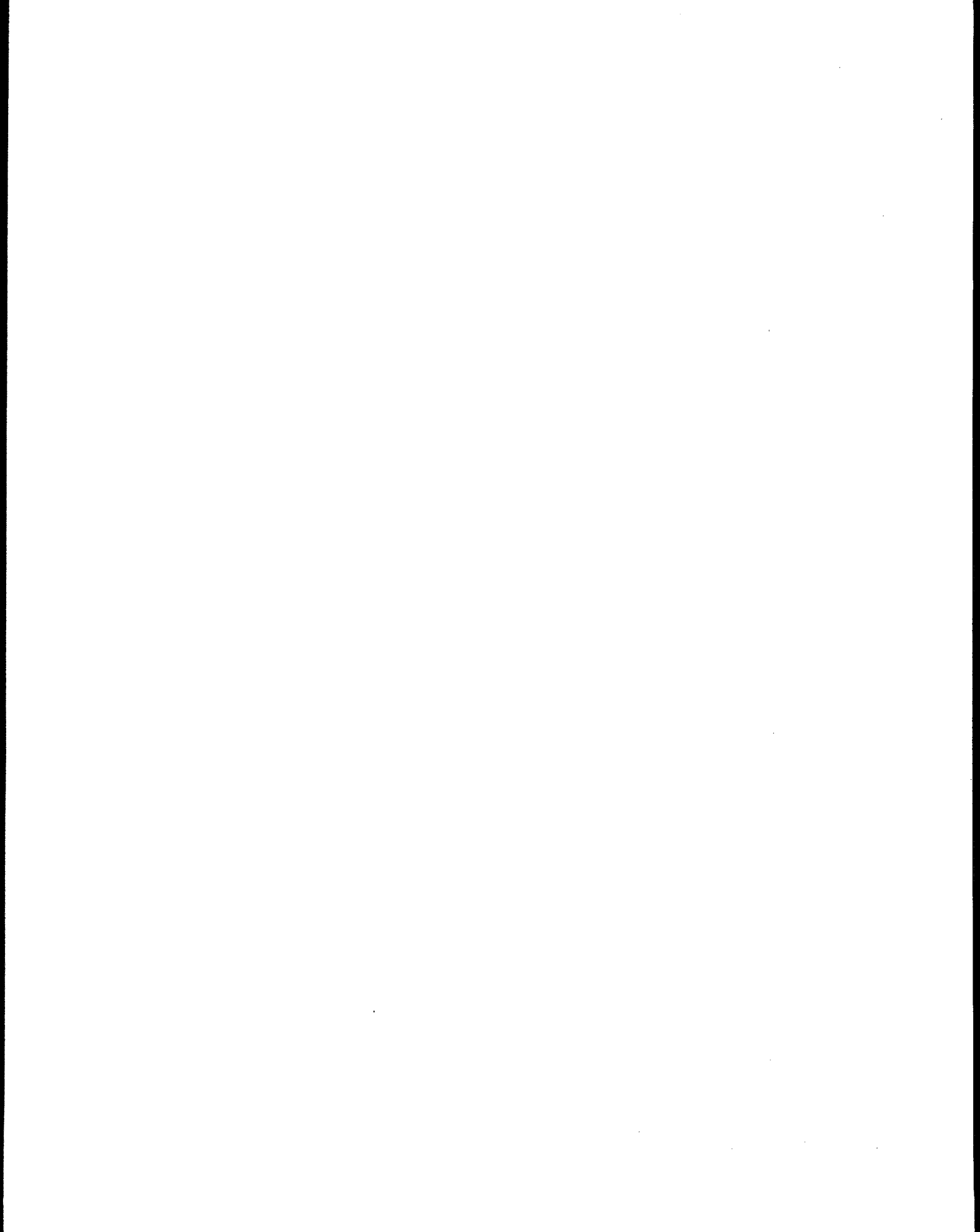


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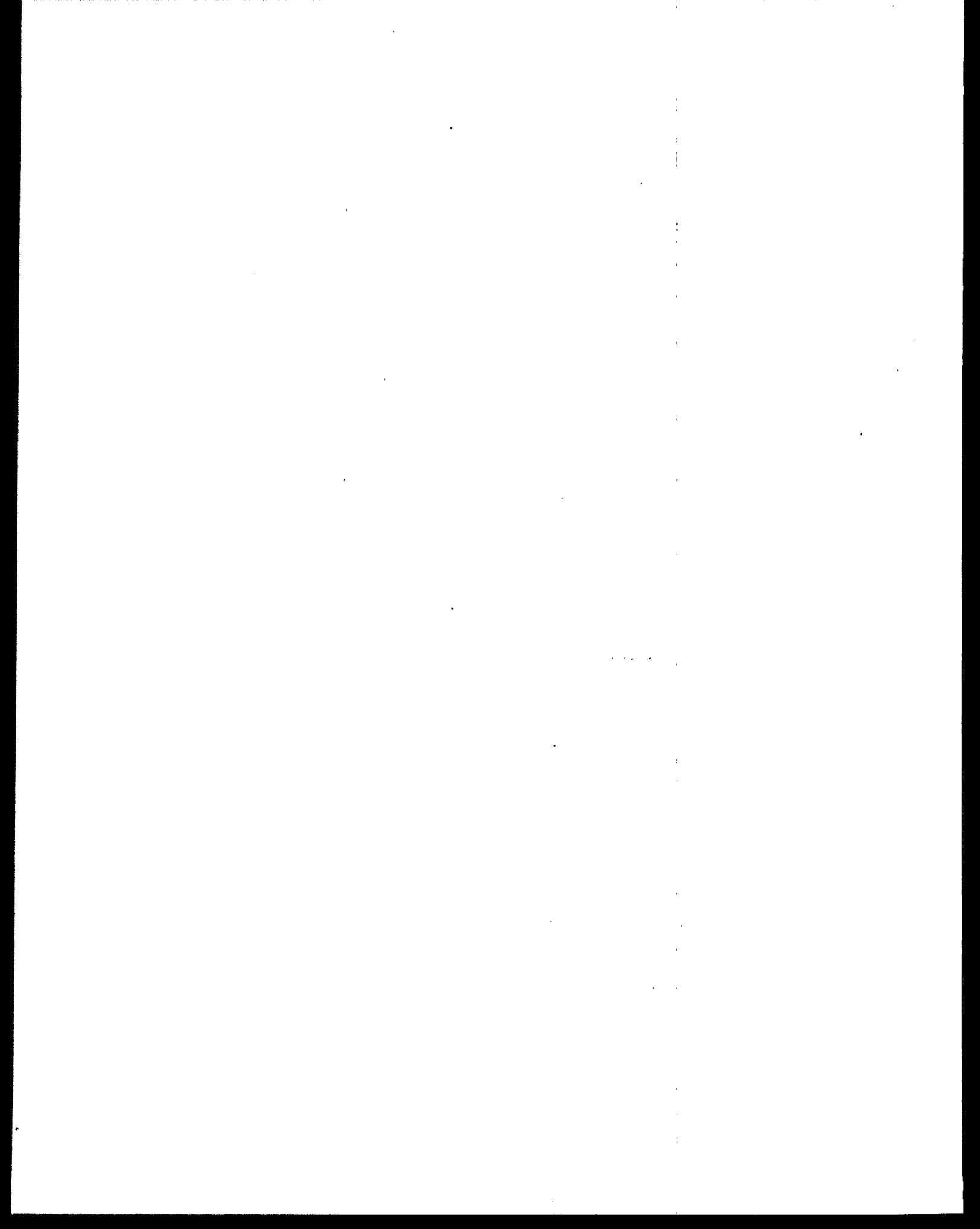




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Capacity Building Support Document for Environmental
Compliance and Enforcement Programs

November, 1998



PREFACE

This document, *Inspector Training Compendium, Course and Program Comparison*, was prepared in 1998 as one of three new Environmental Compliance and Enforcement Capacity Building and Technical Support documents prepared to support the Fifth International Conference on Environmental Compliance and Enforcement held in Monterey, California, November 16-20, 1998, and ongoing international networking and capacity building under the auspices of the International Network for Environmental Compliance Enforcement. It is maintained as a pre-publication draft to accommodate additional country examples. These documents are prepared as resource documents to be used by government officials and others who have responsibility for developing or enhancing environmental compliance and enforcement programs. The documents include:

- Financing Environmental Permit, Compliance and Enforcement Programs
- Source Self-Monitoring, Reporting, and Recordkeeping Requirements: an International Comparison
- Multimedia Inspection Protocols: International Examples
- Communications Strategies for Enforcement Programs
- Transboundary Trade in Potentially Hazardous (Waste, Pesticides, and Ozone Depleting) Substances
- International Inspector Training Compendium, Course and Program Comparison
- Country Progress/Self Assessment Reports on Environmental Compliance and Enforcement
- Citizen Enforcement: Tools for effective participation

Consistent with the goals of the Executive Planning Committee for the Fourth and Fifth International Conferences and the ongoing goals of the International Network for Environmental Compliance and Enforcement to build capacity internationally for environmental compliance and enforcement, this document accesses training courses and materials available internationally for training environmental inspectors by country, topic and language. It also seeks to identify some common elements as well as differences among approaches to such training courses and to programs designed to institutionalize training on an ongoing basis.

The Inspector Training Compendium, Course and Program Comparison and the other documents listed above are available on the International Network for Environmental Compliance and Enforcement's (INECE) Internet site: <http://www.inece.org>. They also are available from the INECE Secretariat at the addresses below. Finally, the INECE Secretariat seeks your comments as to whether these documents serve their intended purpose and how they might be improved. Please send comments in writing to the INECE Secretariat in care of Ms. Wasserman or Mr. Gerardu at the following addresses:

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These individuals expended significant effort to gather information, complete tables, respond to questions, provide relevant reference materials, and review draft documents. Because the information they provided has been essential to the completion of this report, these individuals deserve special thanks for the time, effort and patience they committed to this project.

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1 INTRODUCTION

The International Network for Environmental Compliance and Enforcement (INECE) is an international partnership to promote effective environmental compliance and enforcement of requirements of domestic environmental laws and international environmental agreements through networking, capacity building and enforcement cooperation. It grew out of a common recognition that environmental enforcement is essential to protect public health and the environment and to secure both environmental and economic benefits sought from development and international trade. Under this broad mission, INECE develops and disseminates documents that offer practical experience that has been gained by countries as well as program descriptions and comparisons.

In keeping with that mission, the INECE Executive Planning Committee (EPC) commissioned this compendium of inspector training courses and comparison of course and program content. Inspections are the backbone of an effective environmental compliance and enforcement program. As described below, they serve a purpose that no other component of a program can, and they provide information that is available through no other means. Similarly, for the regulated community, inspectors are the most visible activity of a country's environmental compliance and enforcement program.

In addition, a well-trained inspector can serve as an effective representative of the government. Indeed, an inspection may be one of the only situations where a company or facility deals directly with the government and an inspector may be one of the only representatives of the government with whom they deal on a personal basis. Inspections also are very costly, both in time and in resources. For all of these reasons, it is incumbent that inspectors be as well-prepared as possible before they are sent out to represent the country's government and the compliance and enforcement program.

Training courses and programs are an important means by which a government can ensure that an inspector is well-prepared. Effective training can help teach an inspector what he or she has to know, can provide an inspector with the requisite skills he or she needs, and can sharpen an inspector's abilities so they are brought to bear on his or her duties. This report on inspector training courses and programs is intended to help governments share information and learn from others' inspector training courses and programs. This should help to improve the implementation of their environmental compliance and enforcement programs and enhance the quality of the environment and the lives of their citizens.

The remainder of this section describes the purpose and organization of this report and the importance of inspections and inspectors. It also describes many of the things that inspector training courses are intended to accomplish. In the order they are presented, the subsections that follow include:

- The purpose of this compendium and comparison
- The purposes and the various types of inspections
- The various methods used to train inspectors
- The approach used to develop this report
- The organization of this report.

1.1 Purpose of this Course Compendium and Comparison of Courses and Programs to Train Environmental Inspectors

INECE commissioned this report with several purposes in mind. The first purpose is to establish a compendium of training courses and contact information so that members of the international community may develop and/or supplement their own inspector training courses. The report is intended to show countries around the world what inspector training courses and materials have been developed, by whom, and in what languages.

A second reason for preparing the report is to compare and contrast the content of many of the various inspector training courses and materials in order to identify areas of consensus and areas of differences among countries. This is intended to support the ongoing dialogue among country officials on how to make an environmental compliance and enforcement program more effective.

A final reason is to provide examples of how countries have formalized and institutionalized training and development of inspectors in full programs in order to establish consistency and ensure that inspectors are properly trained to perform their duties. This ensures an ongoing capability for inspectors and advancement of inspector training. The examples given are not intended as models, but rather as background information that can allow other countries to build on the experiences of others.

This report should be considered a work in progress. It provides a template by which INECE will continue to add other countries' courses and training programs and to refine ways of indexing the course compendium as the list of courses grows larger and new subject areas reflect the evolving vision of an inspector's role.

1.2 Types and Purpose of Inspections

As might be expected, there are different types of inspection, and there are varied reasons for conducting any particular type of inspection. The subsections below describe the various types and purposes, respectively. The focus is on inspections which the government uses to evaluate compliance with specific or general legal requirements. This is distinguished from third-party or self-audits by regulated entities, which are designed to measure performance or the effectiveness management systems against some self-determined criteria (which can include legal requirements). The inspections that are the focus of this report do not include civil investigations or criminal investigations. These types of investigations involve numerous law-related issues which are not within the scope of this document.

1.2.1 Purposes of Inspections

There are many different reasons for conducting inspections. The most widely acknowledged and understood purpose is to provide information to the government as to whether a facility is complying with applicable laws and regulations. Along with self-monitoring and self-reporting of compliance by facilities and regulated entities, inspections are the primary means by which compliance is documented and violations are detected. Then, when there are violations, inspections serve to document conditions and to support any follow-up enforcement actions and appropriate consequences.

In addition, inspections deter noncompliance. Evidence shows that the very presence of an inspector in the field has the effect of increasing compliance rates by both the facilities that are repeatedly inspected and by others who may fear inspection.

More recently, a new role has emerged for inspections, one that has proven controversial in some quarters but is becoming increasingly widespread. This role is one of directing facilities toward opportunities for compliance and promoting compliance assistance. An inspector can be very effective in identifying the need and opportunities for providing technical assistance bringing his or her technical knowledge and abilities to bear in giving general advice, and can also direct facilities to sources of technical and legal information that can improve the performance of equipment or processes. There is, however, widespread agreement among government officials that inspectors should not be giving specific advice about steps needed to come into or maintain compliance. Such actions could shift responsibility for compliance from the regulated source to the government inspector. For example, if the source relies on the advice of an inspector and this does not result in compliance, the responsibility of the source for ensuring its own compliance is lessened because they "did what they were told to do" by a government agent.

1.2.2 Types and Levels of Inspections

There are many types of inspections. While it is not the purpose of this document to describe them in any detail, it is worth noting the various types, as well as the various levels that an inspection can take. The two broad types of inspections are "for-cause" inspections, which are conducted at a particular facility for some specific reason (citizen complaint, environmental damage, suspicion of noncompliance, or some other reason), and routine inspections, which are conducted as a normal part of an environmental compliance and enforcement programs and do not target the particular facility. A variant of the "for-cause" inspection is a follow-up inspection, conducted to follow up an earlier inspection to check whether a facility has taken required actions to come into compliance. It is important to note that inspections can be conducted with or without prior notice to the facility, often referred to as "announced" or "unannounced" inspections.

There are many levels of inspection, regardless of type. These range from simple "drive-by" and "walk-through" inspections to compliance evaluation inspections of varying intensity to sampling inspections. Each of these can vary enormously in time and in complexity, depending on the purpose behind the individual inspection and on the entity being inspected.

1.2.1.1 "Drive-by" Inspection

A "drive-by" inspection is just what the name implies, a visual examination of a facility made from an automobile or another viewpoint not within the facility boundary, and usually made without the facility's knowledge. It may involve such observations as working hours, waste management practices, the presence or absence of visual air emissions or odors or noise, or other aspects of facility operation. A drive-by inspection of an area can also be used as a means of identifying facilities or operations potentially subject to specific requirements.

1.2.1.2 Walk-through Inspections

A walk-through inspection involves entry into the facility, possibly some documents review, a simple observation of regulated operations or practices, and exit. Such inspections are useful

to establish a presence ("showing the flag") and can be especially valuable as follow-ups to verify that corrective action has been made following earlier more elaborate compliance evaluations. Such inspections can also be used to ensure that there have been no unauthorized expansions or changes in operations or processes, and can also be used to verify there are no hidden operations. Inspectors can often conduct multiple walkthroughs in a day, particularly of smaller facilities, so are not resource-intensive.

1.2.1.3 Compliance Evaluation Inspection

A compliance evaluation inspection is more structured, and generally involves multiple steps, from entry through interviews, observations, documents review, and exit. These types of inspections are where inspectors have to use a wide range of knowledge, skills, and abilities (see section 1.4 below). Compliance evaluation inspections can take less than an hour in the case of small simple facilities up to two weeks or more for very large and complex facilities. The inspection can consist of one inspector or a multidisciplinary team. In the past, such inspections were generally for a single environmental medium (air versus water versus waste, for example) or a single environmental program. In recent years, some countries have begun to conduct multimedia inspections, where a facility's compliance with many environmental programs is evaluated by a single inspector or a single inspection team.

1.2.1.4 Sampling Inspection

A sampling inspection involves taking physical samples of a discharge, regulated material, ambient environmental conditions, or other material. Such inspections require careful preparation to protect the integrity and the custody of the samples taken, from the person who conducts the samples to the person who operates the laboratory analytical equipment. These samples must be taken in accordance with specific standards, whose violation can destroy the samples' value as evidence. A sampling inspection can be conducted as part of a walk-through or compliance evaluation inspection, or can be the sole purpose of a visit to a facility.

1.2.1.5 "Beyond Compliance" Inspection: Process or Management Oriented Pollution Prevention Inspections

A relatively recent innovation has been inspections that go beyond compliance. These inspections are used to encourage environmental performance and behavior that achieves standards more protective than those that are required. In some cases, inspections can be used to assist facilities identify opportunities for reducing pollution by prevention rather than treatment. In other cases, inspections can be targeted at the management systems and processes that facilities use to institutionalize their environmental performance.

1.3 Methods of Inspector Training

As countries have come to recognize the importance of inspections and inspectors, they have developed a variety of methods to train their inspectors.

1.3.1 Classroom Training

Perhaps most common is classroom training, where inspectors are trained by professional instructors or by other inspectors in a classroom setting. This type of training is most important

in conveying to an inspector what he or she needs to know in order to conduct effective inspections, such as program, legal, and process information..

1.3.2 On-the-job Training

Another common method of training inspectors occurs on the job, through accompanying more experienced inspectors as they go about their duties. This can be a formal apprenticeship program where a trainee's progress is measured or a more informal method of indeterminate duration and intensity. This type of training can be very effective in teaching the skills that an inspector needs, in conveying technical knowledge, and in enhancing an inspector's abilities.

1.3.3 Self-study

In many cases, inspectors are taught through self-study. They are assigned lists of reading material and expected to master it as part of the training "curriculum." In nearly all cases, veteran inspectors are expected to increase their knowledge through self-study, whether formally assigned or self-initiated.

1.3.4 New Technologies: Videotapes and Computers and Satellite Training Deliveries

New technologies are now being used to train inspectors. Videotapes are one of the new technologies. The use of videotapes can replace some live trainers (for example, for very refined expertise) in classroom training, and may better prepare inspectors for field conditions than classroom instruction. Similarly, the use of computer-based training (with, for example, interactive CD-ROMs) can convey information to individual trainees quickly and at little expense. Both videotape-based and computer-based training allow a trainee to progress at a self-defined pace and also allow for repetition as desired. Both are particularly suited to conveying requisite knowledge to trainees, and also can introduce and refine some skills. In addition to these new technologies, some training courses use field exercises and remote sensing to enhance the training experience. Some countries are using satellite communications technology to reach potential course participants and save on travel time and expenses.

1.4 Key Content of Inspector Training

The following six sections describe several types of knowledge, skills, and abilities that an effective inspector needs, and that are most often the subject of the training courses described in the next section or this report. There are a number of things that an inspector must know and be able to do in order to conduct effective inspections. Regardless of the method by which an inspector is trained (and by which an inspector learns on his or her own), the focus of training (and learning) should be on providing and expanding an inspector's knowledge, teaching and sharpening his or her skills, and identifying and enhancing his or her abilities. Clearly, hiring prospective inspectors whose education and experience provide at least some of the requisite knowledge and skills would reduce the need for some types of training.

1.4.1 Overall Inspection Process

There are certain elements, or steps, that almost all of these inspections incorporate despite the fact there are several different types of inspections. This is because conducting an inspection involves a logical series of steps. These steps can include actions such as pre-site planning and research, assembly of materials and equipment, entry and greeting, interviews, physical inspection, documents review, notetaking, photography, sampling, exit interview, departure, post-inspection documentation and follow-up. Each of the steps applicable to an inspection can be important, and an inspector must have the knowledge and skills to complete each one. The key elements of an inspection include:

- **Preparation and planning.** It is essential to know which requirements are applicable to a facility and helpful to know what aspects of an operation have been in violation in the past and a facility's compliance history. Preparation for an inspection may include review of past inspection reports, permits, litigation, and/or special agreements beforehand. Technical preparation based on the type of inspection or the industrial processes is also important
- **Entry and presentation of credentials.** Many countries have specific requirements for gaining access to private property or public installations. Inspectors must be prepared to properly identify themselves and explain the purpose and scope of an inspection as well as to present appropriate credentials. In addition, the manner in which an inspector presents themselves can influence the degree of cooperation and information they are able to obtain.
- **Opening Meeting.** This purpose of this initial meeting is to inform management of the facility being inspected that you are there and to let them know what you plan to do. In the opening discussion, an inspector can explain the scope of his or her activities and can also learn more about the facility processes, management system, safety, etc.
- **On-site gathering, verifying, and documenting important information.** This includes conducting interviews, taking notes and possibly photographs, reviewing files, and collecting documents. Techniques for verifying information provided and for sampling files and related documents are important components of an inspector's task.
- **Sampling procedures and field safety protocols.** Following set sampling methodology and documentation is also important so that the samples collected accurately represent what needs to be evaluated and the findings can be supported in a court of law. There are also many potential hazards present during an inspection. For safety reasons as well as to set a good example, an inspector must have a thorough and comprehensive understanding of them and to be able to use proper equipment and safety techniques.
- **Exit interview.** It is the inspector's job to make compliance related observations, not determinations. However, many countries have their inspectors meet with the facility management following the inspection to review findings and request any clarification or additional information that is necessary.

- **Report writing.** An inspector's report must be clear, factual, and objective. Accurately describing events and summarizing important information in a report will help future inspectors have a better understanding of a facility and also will enable the agency to rely on the information in the event legal action is taken.

1.4.2 Knowledge of Requirements

First and foremost, an inspector needs to know what the requirements are for the program under which an inspection is conducted. A thorough knowledge of the laws, regulations, guidance, and other means by which requirements are laid out is essential. He or she also has to know how to find out what site-specific requirements apply; that is, how the overall laws and regulations have been applied to the facility being inspected, whether in permits, licenses, or through direct application of the laws and regulations. It is impossible to over-emphasize the importance of this knowledge—if an inspector does not know what is required, he or she cannot determine whether a facility is in compliance or is violating a requirement. Not only may a violation go undetected and uncorrected, but the compliance and enforcement program, and the government itself, may lose credibility. Finally, the inspector has to be able to understand and interpret both general and site-specific requirements in the field, while he or she is conducting the inspection.

1.4.3 Technical Knowledge

An inspector needs to understand industrial processes and manufacturing operations so they can know where they are likely to find problems and pollutant releases. Without such knowledge, the inspector has no way to verify what he or she is told by the facility and would find it impossible to convey any sort of credible technical advice or assistance to the facility. This technical knowledge can better enable inspectors to identify the location of discharges and to be able to identify new expansions and even hidden processes.

In addition, an inspector should have some technical understanding of pollution control, both technologies and practices as well as monitoring and measurement equipment and techniques. This is needed in order to determine whether pollution controls are appropriate and are operating properly. Some knowledge of pollutant chemistry and even toxicology can also be helpful.

1.4.4 Knowledge and Skills Related to Health and Safety

An inspector has to understand health and safety practices and industrial hygiene requirements in order to protect himself or herself. Inspectors may find themselves in dangerous situations in factories and industrial facilities, and must be able to take appropriate precautionary and preventive measures. Dangers may be physical, as from machinery or unsafe ground, or chemical, as from toxic fumes or hazardous materials. A well-trained inspector is able to avoid most such situations and to take appropriate response actions when necessary. In some cases, also, environmental inspectors may have some responsibility for ensuring that industrial hygiene requirements are being met by and for workers.

1.4.5 Knowledge and Skills to Inspect and Collect Information

Inspectors have to know how to conduct an inspection so that they obtain credible and complete information which is verifiable and objective. To do this they should be skilled in various techniques of observation, interviewing, sampling, and documentation.

Collectively, the skills to conduct an inspection are needed in order to independently verify what a facility reports or claims. Whether a violation is discovered by an inspector's expert judgment (in the case of observation and interviewing, for example) or by physical evidence (in the case of sampling), the inspector is relying on these necessary skills to help make that determination.

An effective inspector knows how to communicate, both verbally and in writing. If an inspector has good verbal communication skills, he or she is much more likely to obtain complete information from representatives of the facility being inspected. If the inspector can gain the confidence of the people being interviewed, not only can a more complete inspection be conducted but the facility is more likely to trust the inspector's judgment, observations, and technical opinions. Similarly, the ability to prepare a complete and well-written inspection report is needed in order clearly to document and to convey to others—other inspectors, superiors, attorneys, judges—the actual conditions at the facility and the compliance status. This in turn is necessary to support any kind of enforcement action.

1.4.6 Personal Qualities

Finally, there are certain personal qualities that most good inspectors possess. The following list provides a few examples:

- curiosity
- determination
- resourcefulness
- stamina
- dedication to duty
- communication skills
- observation skills and
- good judgement

Although these cannot always be taught, effective training techniques can enhance their effectiveness and make sure they are applied during an inspector's performance of his or her duties. An inspector who is curious is much more likely to gain a fuller understanding of a facility's performance, including possible noncompliance. Similarly, an inspector with determination can follow lines of inquiry until the facts are obtained without being distracted or exhausted. A resourceful inspector can identify different means to obtain information, and also is more likely to be able to give advice to a facility. Stamina, the ability to withstand physical and mental stress, is also important, since inspections can be physically exhausting and can require intense concentration for long periods of time. In addition, dedication to duty is absolutely essential. Only an inspector who is determined to do the job completely, and to do it well, can ever be effective in fulfilling his or her duties. Finally, it should go without saying that trustworthiness and integrity are the most important attributes of all. Inspectors can find themselves in situations where they might be tempted to overlook violations with no one the

wiser, and governments and citizens must be able to trust the inspectors to do their duties honestly.

1.5 Approach to Preparing this Report

Initially, the INECE partnership developed an information collection instrument that was tested on a selected number of countries. This format asked for descriptions and specific information on any inspector training courses these countries might have. Country contacts were contacted by phone, fax, and e-mail to address any questions or comments they may have had, and to expand upon and clarify information they provided.

Those invited to participate in the initial phase of information collection were drawn from a list of countries known, by virtue of knowledge gained by the INECE partnership during the first four International Conferences and other dialogue, to use inspector training as part of their environmental compliance and enforcement programs. As was inevitable, there were some delays and difficulties to overcome, including language barriers, in order to collect information and refine the survey instrument.

For North America, information on courses was drawn from two catalogues of training courses available in the U.S., Canada, and Mexico. The catalog for the National Enforcement Training Institute (NETI) is primarily a compilation of U.S. courses given in the U.S. and Mexico. The *Catalogue of North American Environmental Enforcement Training Courses* is a compilation of Canadian, U.S., and Mexican courses. These catalogs were useful in contacting people directly who teach inspector training courses.

Information from outside North America was solicited directly from each country's environmental protection department or from organizations that worked closely with the government agencies. Some countries provided responses verbally, by forwarding their own course listings, and by filling out a course description form. Once the information was collected, courses were listed and indexed by selected variables. Some of those participating in the preparation of this report were accustomed to sharing their training information, and were able to forward summaries and course catalogs with ease. There were other countries, never before having been asked to share this kind of information, that took some time to research, translate, and summarize their training. Still others were pleased to be submitting their agency's first training course.

This approach provided the basis for the inspector training compendium. INECE anticipates that it will now be easier to draw in other countries, who are being solicited to participate through the INECE newsletter, the country progress report format, and participation at the Fifth International Conference on Environmental Compliance and Enforcement in Monterey, California, in November 1998.

1.6 Organization of this Report

The remaining chapters of this report mirror the purposes that were described earlier. The next section of the report, Chapter II, compares and contrasts training course characteristics and content. From the diverse number of courses provided, a number were selected and summarized in Chapter II for a more in-depth review. In comparing these courses, it became

clear that there were both similarities and differences in courses from country to country. This information should be useful to show how countries focus on different issues in training their inspectors. This chapter of the report is intended to meet INECE's second purpose in commissioning the report: to document and to compare and contrast current course content.

Chapter III, is a summary of information provided by countries that have set up a training program to ensure consistency and continual improvement of environmental inspections and inspector training. Countries were asked to send materials that would describe the institutionalized setting of the training program and provide a range of information regarding program development and success.

The course compendium can be referenced in Chapter IV. The information presented includes a list of 130 training courses offered by fifteen different countries, each accompanied by a brief description of the course, materials, and format. This chapter corresponds to INECE's intent to compile information on inspector training courses to facilitate the exchange of information among countries.

2 INSPECTOR TRAINING COURSE CHARACTERISTICS AND CONTENT

This chapter provides a series of comparisons based on the information submitted by participating countries for this report but will not cover any additional course information submitted after the preparation of this report. The comparisons are based on course characteristics and content to provide the reader with useful information not covered by the compendium course descriptions. The detailed information collected and the statistics generated in this chapter will be dated as more courses are included.

2.1 Introduction and Roadmap

A total of 130 courses were submitted for the 1998 compendium with participation from at least one country on every continent. Additional courses will be added over time. Of the thirty-one countries originally contacted for information, fifteen chose to participate by providing information on the content, format, and characteristics of their training courses. Exhibit 2-1 illustrates the number of course descriptions received from each country. For several countries, such as Australia, Canada, the Netherlands, and the U.S., only a fraction of their training courses are described. However, the number of participating countries that submitted basic, advanced, and/or specialized courses provided a great deal of useful information. Twenty-four of the 130 courses were recently submitted by the United States and could not be made part of the Chapter 2 comparisons and are not included in the 106 figure.

This section provides an overview and comparative analysis of the characteristics and content of training courses submitted by participating countries.¹ The areas of comparison are broken down into two major parts:

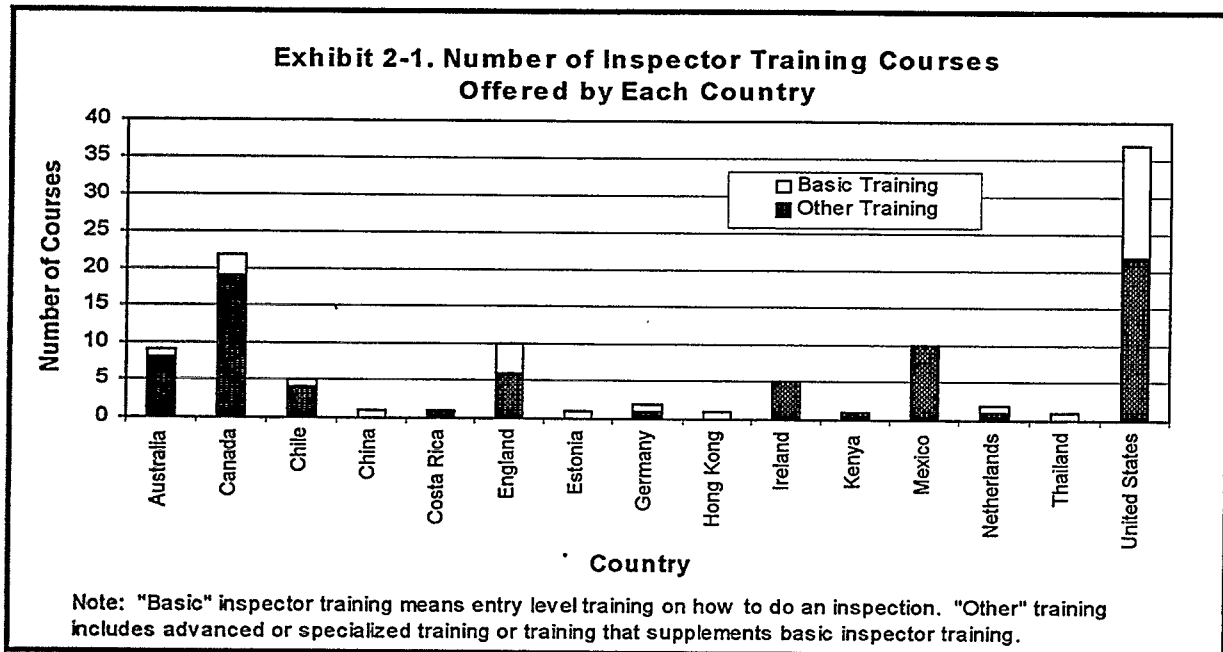
- Section 2.2 describes a number course characteristics, including such things as course topics, the languages in which courses are taught, and the methods of instruction.
- Section 2.3 compares and contrasts several aspects of course content and identifies the basic elements of inspector training. This section also provides general information on the similarities and differences in enforcement, legal, and technical training country to country.

2.2 Accessing Course Information

Section 2.2 is an introduction to the inspector training course compendium. It is placed before the compendium to provide some background on the various course elements and formats. This information is broken into four parts:

- Course Topics
- Languages
- Length of Training Courses
- Training Methods

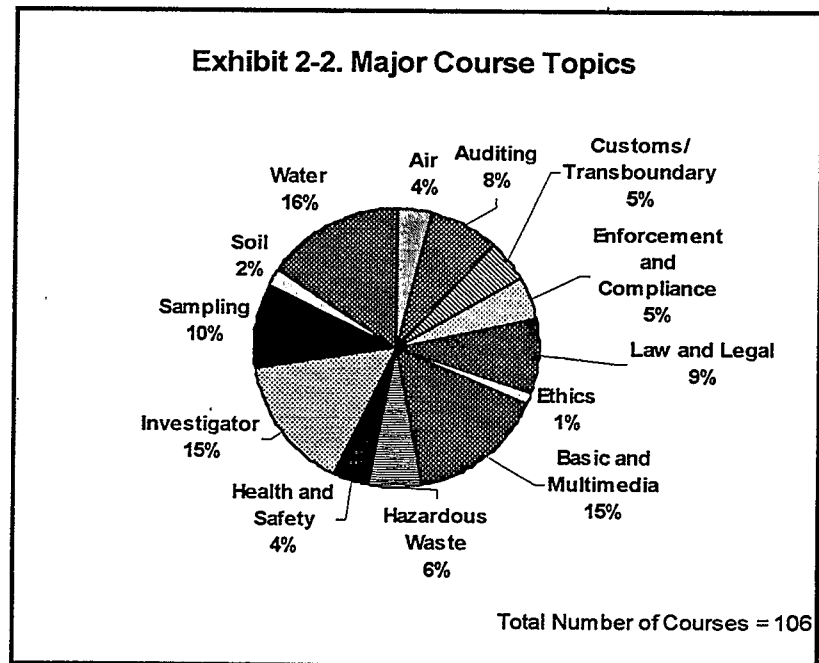
¹This chapter provides general comparisons of course content due to varying levels of detail and depth of the information received.



2.2.1 Course Topics

The courses in the compendium were placed into one of fifteen categories based on the major topic covered in the course. The categories include: Basic/General/Multimedia and more specialized courses on: Air, Auditing, Customs, Emergency Response, Enforcement and Compliance, Law, Ethics, Hazardous Waste, Health and Safety, Investigator, Sampling, Soil, and Water. These categories were selected either by the number of courses on the topic or by the importance of the training. For example, enough courses were

received on water and sampling to designate categories; only one country submitted a course on ethics, but it is an important area of training and many countries are likely to have this training despite the fact they are not represented in the compendium at this time. Exhibit 2-2 shows the number of courses in each of the categories, based on their title and description. The types and number of courses clearly demonstrates the diversity of training that is being



made available to inspectors. Two of the specialized topics that appear to be the most common are water related courses and investigative training. Each of these topics accounts for 12 percent of the courses in the compendium.

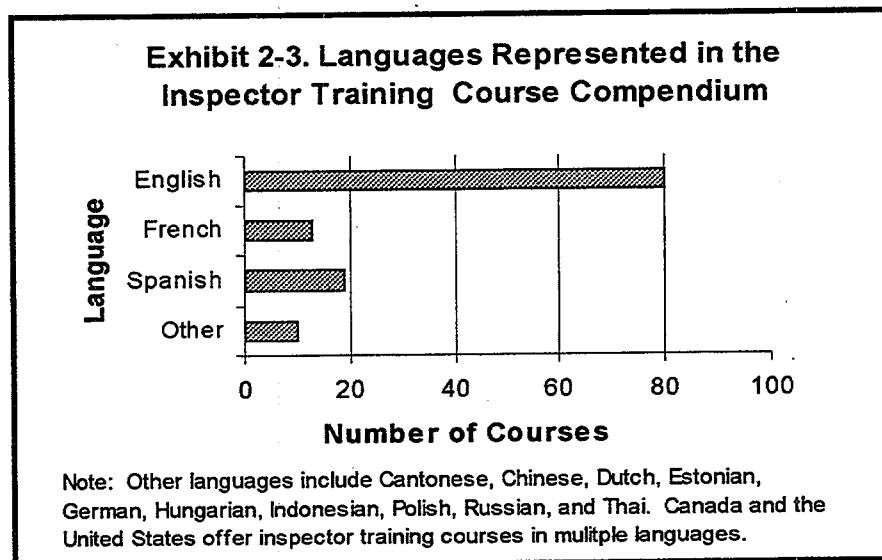
Although courses are listed in one category, course content shows that they often address more than one topic. A course classified under the topic of Water specifically address that medium, but the course content may be focused on training inspectors how to sample groundwater, enforce discharge regulations, or technically evaluate water treatment facility operations. The descriptions provided in the compendium provide the most detailed information on the disciplines covered by each training course.

It is interesting to note that six countries chose to submit a total of fourteen water courses as examples of their inspector training. The courses placed under the Water topic ranged from groundwater modelling and investigations to water pollution control and sanitary survey training. The number of training courses designed to address water issues may be an indicator that protecting water quality and enforcing program requirements is one of the most advanced programs for many countries.

2.2.2 Languages

There are thirteen different languages represented in the course compendium. The most common include English, French, and Spanish. Exhibit 2-3 presents the number of courses taught in each language. The Index By Language, found in Chapter 4, presents all courses by the languages in which they are taught. There are 9 courses that are taught in more than one

language, a majority of which are the Canadian courses given in English and French and the Mexican courses given in Spanish and English as are several multimedia, hazardous waste and customs training courses by the United States because of the cooperative work with Mexico. The *Principles of Environmental Enforcement (USA26)*, a course offered by the United States, has been translated into the most languages, including: English, Polish, Hungarian, Russian, Spanish, and Indonesian. IMPEL, a network of environmental enforcement officials throughout the European Community, has been working with inspectors within the European Community and is in the process of developing frameworks for a generic training course that can be used by all Member countries. The Netherlands has played an important role in IMPEL's work and has also developed courses for Chile, Curacao (Netherlands Antilles), Sri Lanka and Estonia. The United States has also participated in the development of courses for other countries, teaching the fundamentals of compliance inspections. As countries continue to share their training, the number of languages and the number of courses offered in more than one language will certainly increase. An increase in



language diversity will further broaden the potential audience and encourage participation by more countries that may have been hesitant to ask for training assistance based on the language barrier.

2.2.3 Length of Courses

Compendium participants were asked to provide the length of their training courses. Of the 82 course descriptions in the compendium which provide course length information, twenty-six courses are offered in one-week/ five-day sessions. As evidenced by Exhibit 2-4, two-, three-, and four-day courses are also common. The one- and two-day courses are often referred to as lectures, seminars, or workshops and typically

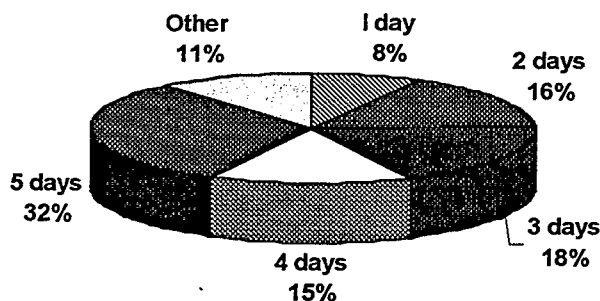
provide a more condensed training session in a specific area. Although the courses that are one-week or longer may provide training in a specific medium or technology, they typically broaden the components presented, cover a number of different issues and topics, and often include related subjects. It is interesting to note Germany's entry level training course, *Training Course for Official Inspectors - Basic* (DEU02), which takes place over the course of a year; 43 hours are spent doing practical work with different authorities, and 9 hours are spent in the classroom. This single course operates almost like an umbrella program, pointing out the importance of reviewing an entire set of courses offered by countries to fully understand what they believe is important to cover.

2.2.4 Training Methods

Classroom instruction is a common element of inspector training. Every course submitted for the compendium has some form of in-class training, including lectures, presentations, discussion, and case study. Almost half of the participating countries included field instruction as part of their training curricula. Only a select few countries reported that their courses included an examination. Many courses in the compendium include some type of manual or textbook as part of their training. However, only a few countries in the compendium use learning tools such as video, CD-ROM, overheads, or workbooks as part of their training. Australia, Canada, Mexico, Thailand, and the United States all submitted courses that used one or more of the above tools in the classroom.

Teaching methods for individual training courses generally include a mix of classroom and some form of hands-on training (See Exhibit 2-5). For example, when teaching a course in sampling technologies, classroom lectures are often coupled with independent exercises and the use of various testing equipment. This training allows the inspectors not only to conceptualize the technologies and sampling techniques, but also requires them to work with the equipment, learning to properly calibrate and perform tests. For legal training, a textbook

Exhibit 2-4. Length of Inspector Training Courses



Note: The compendium indicates specific course lengths for 87 courses. The courses are typically 1 to 5 days in length. The "Other" category includes courses longer than 5 days, on-the-job training, or courses measured in hours that do not fit in the other five categories.

or manual is often used in conjunction with case studies or role-play. Some courses also require training that ranges from hands-on instruction with field equipment to performing actual inspections under a supervisor or experienced inspector.

Exhibit 2-5. Comparison of Training Methodologies

	Australia	Canada	Chile	China	Costa Rica	England	Estonia	Germany	Hong Kong	Ireland	Kenya	Mexico	Netherlands	Thailand	United States
Classroom Instruction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Field Instruction		✓	✓	✓		✓			✓				✓		✓
Self-Study										✓					✓
Exam	✓	✓				✓	✓			✓				✓	
Certification															✓

2.3 Comparison of Course Content

A closer analysis of course content reveals many similarities and differences country to country. The information gathered for the following sections on course comparison and analysis is somewhat limited, but provides a basic understanding of country and course focus on certain areas of training. Section 2.3.1 compares the basic elements of an inspection based on the information provided by five countries. Section 2.3.2 compares single media versus multimedia training and explores differences in countries having media specific, industry specific, and process specific training. The last section, 2.3.3, compares country courses in the areas of law, enforcement and technical training.

2.3.1 Comparison of Training in Conducting an Inspection

The basic skills in how to conduct an inspection, take samples, and collect information are necessary to conduct consistent and effective inspections. One could expect that what would distinguish each country's training are primarily the legal systems and statutory requirements as well as internal policies and procedures that lead up to an actual inspection. With respect to the design of their basic training courses, Canada and the U.S. are indeed quite similar. For example, the Canadian and U.S. courses that teach inspectors how to conduct an inspection are divided into pre-inspection, on-site, and post-inspection activities. Hong Kong, in contrast, divides its course materials by media and ordinance, starting with an ordinance overview, followed by instruction on the relevant technical issues involved in an inspection. England trains new inspectors by briefly covering legislative topics when training commences and then dedicates more course time to hands-on training.

The course information submitted by participants on their country's basic, or compliance-based, inspection training, confirmed that there is widespread agreement that inspectors must possess a combination of the skills, knowledge and abilities necessary to perform an

inspection. Exhibit 2-7 lists basic training components and uses Australia, Canada, Hong Kong, England, and the United States as examples to illustrate what each country's basic inspector training course includes.

Standardized practices and approaches presented in inspector training materials are important to commit to memory. This allows the inspector in the field to focus on the task at hand while decreasing the need for second guessing protocols and procedures. In conjunction with classroom instruction, on-site training provides an inspector with the confidence and necessary tools to observe, detect, review, monitor, and record information. Because the course profile form developed to collect information was not used by many countries, data on the number of participating countries that use training outside of the classroom is inconclusive. Most countries probably use some form of on-site, field-based or mentor training.

Course curricula received from these five countries cover similar areas of instruction, including: pre-inspection planning, performing an on-site inspection, post inspection activities, and knowledge of the legal framework and enforcement programs. Both Canada and the U.S. provide instruction on pre-inspection preparation. The U.S. training course focuses on reviewing the regulations, compliance history and physical site layout. It also provides a review of the standard operating procedures of a facility and how to develop a safety plan and team task assignments. The Canadian training course concentrates pre-inspection training on site selection, review of permits, regulatory requirements, records, and compliance history. They also develop an agenda which includes question preparation, techniques used to address these questions and protocols to follow. Basic training in England focuses on the technical and scientific aspects of being an inspector and includes a significant amount of hands-on as well as on-the job training.

Canada and the U.S. begin their training for on-site tasks by providing direction on how to conduct an opening conference, establish a rapport with facility officials and set inspection objectives. From these meetings the inspectors are taught to gather plant operation information essential in assessing compliance. Both countries also instruct their inspectors on how to perform record reviews and closing conferences. In Canada, Hong Kong, England, and the U.S., all basic training courses provide a section on physical sampling. In Canada and England, inspectors basic training focuses more heavily on learning proper protocol and safety measures for sampling as their inspectors play an integral part in the collection of samples. In the United States those issues are handled in separate, specialized training.

Canada begins its post-site inspection training by instructing inspectors on the fundamentals of conducting record audits, setting up files and writing inspection reports. Inspectors also learn to write direction and warning letter to regulated entities. The course includes an administrative component where inspectors learn to maintain proper continuity of samples, photograph records and other materials collected during the inspection. Hong Kong and the U.S. focus their post-inspection training on report writing and other administrative duties. Canada and the U.S. cover the basics of laboratory analysis so that inspectors understand important issues such as proper sampling protocols and chain of custody.

Exhibit 2-7 Comparison of Basic Inspector Training Courses					
Training Program	Australia	Canada	Hong Kong	England	USA
Pre-Inspection Activities					
Pre-Inspection Preparation	✓	✓			
Administrative Considerations	✓				✓
On-Site Activities					
Opening and Closing Conference	✓	✓			✓
Records Review	✓	✓		✓	✓
Perform Physical Sampling	✓	✓	✓	✓	
Review Physical Sampling	✓	✓	✓	✓	✓
Conduct Interviews		✓		✓	✓
Observations and Illustrations	✓	✓			✓
Health and Safety					
Health and Safety Procedures			✓	✓	
Post-Inspection Activities					
Report Writing and Filing	✓	✓	✓	✓	✓
Laboratory Analysis		✓	✓	✓	✓
Technical Training					
Industry Specific			✓	✓	
Single Media	✓		✓	✓	✓
Communications					
Press and Public Relations			✓		✓
Communication Skills		✓	✓		✓
Enforcement					
Legal Role of Inspectors	✓	✓	✓	✓	✓
Investigation Training	✓	✓		✓	
Requirements for Lawful Entry	✓		✓		✓
Legal Aspects					
Overview of Laws	✓	✓	✓	✓	✓
Document Evidence for Enforcement	✓	✓	✓	✓	✓
Inspector's Role as Witness	✓	✓	✓		✓

2.3.2 Comparison of Single Media and Multimedia Training

It is to be expected that many countries offer courses on how to perform inspections of a facility's compliance with media-specific requirements, including air, water, waste, soil, or other. That is the way in which many environmental programs began, and media-specific programs have the longest history. One example is the *Ground Water Protection* course (GBR03) given in England to demonstrate the techniques and procedures used in regulating activities likely to affect groundwater. In addition, a few countries (5 of 15) provide training courses that teach about specific pollutants, such as lead, PCBs, and asbestos. Canada, Chile, England, Mexico, and the United States reported offering these courses (although none were submitted for the compendium). Surprisingly, the majority of courses submitted also contain an element of pollution prevention or multimedia-based training. As shown in Exhibit 2-6, 7 of the 15 countries for which the information was available offer at least one multimedia course or include such training as a component.

Some countries also offer sector-specific training to inspectors, training that deals with one or a selected number of industries or facility types. These might include textile production, coal-fired electric generation, oil refineries, organic or inorganic chemical manufacturing, or other industries with very complex facilities. For example, Mexico submitted a course entitled *Environmental Auditing in the Maquila Industry* (MEX06). This course teaches inspectors how to perform and supervise audits of the textile industry. Mexico's auditing courses are considered to be inspections, however, the private sector may be permitted to attend certain training courses to learn more about the regulations and what is expected of a facility.

Exhibit 2-6 below compares by country four commonly cited areas of training which are components of courses in some countries and the main subject of training in others. Specific courses have been developed for all of these areas in one country or another, for example, the United States and Chile offer multimedia courses. However, five other countries indicated that they use multimedia approaches in their training.

Exhibit 2-6. Comparison of Common Course Components															
	Australia	Canada	Chile	China	Costa Rica	England	Estonia	Germany	Hong Kong	Ireland	Kenya	Mexico	Netherlands	Thailand	United States
Pollution Control						✓					✓			✓	
Pollution Prevention	✓		✓			✓		✓	✓	✓	✓	✓		✓	✓
Pollutant-specific (eg.: asbestos, lead, PCBs)		✓	✓			✓						✓			✓
Media-specific (air, soil, water)	✓	✓	✓			✓		✓		✓	✓			✓	✓
Multimedia (combination of media)	✓	✓	✓						✓				✓	✓	✓
Sector-specific (eg.: specific industry)													✓		

Demonstrating the evolution of inspector training programs, and the role of inspectors, is the fact that many countries now offer training in conducting multimedia inspections or in pollution prevention. For example, Chile's course, *Multimedia Inspection Training (CHL04)*, addresses industrial sources of air, water, and soil contamination. These types of inspections are time and resource consumptive. An inspector must have the technical, legal, and regulatory training required in a single media inspection but also must possess skills and abilities such as communication, coordination, and teamwork.

2.3.3 Comparison of Enforcement, Legal, and Technical Training

The compendium courses are almost all titled by the specific media they address, by a law and enforcement related topic, or by a technical training procedure. However, the majority of the training courses can be divided into one or more of three main topics: enforcement, legal, and technical training. Australia, Canada, Mexico, and the United States offered the greatest number of courses containing enforcement, legal, and technical components as part of their training, and consequently, are more often referred to as examples.

- **Relevant Law and Policy:** Almost all of the participating countries submitted a course in the compendium that incorporates a review of relevant law and policy or training in legal issues. Approximately one-sixth of the courses submitted specifically address the topic of law, legal issues, or enforcement procedures. Some courses teach inspectors how the laws are structured and how to find information in the relevant statutes. In Canada and the United States, basic training courses usually provide a general overview of all relevant environmental statutes and often have single topic courses for more complicated or detailed regulations. Canada provided an example of such a regulatory course: *Ocean Dumping Regulations (CAN20)*. Hong Kong (*HKG01*) and England (*GBR06*) offer courses that provide overviews of the respective legal systems, legislative processes, and individual environmental ordinances. Mexico did not submit a course specifically on the topic of law, but almost all of its courses appear to incorporate the legal fundamentals and regulatory framework pertinent to the inspection topic being taught.
- **Enforcement Training:** In countries such as Hong Kong and The Netherlands, inspector training reviews the role of the inspector in enforcement actions and provides an overview on the general procedures used in enforcement investigations. Enforcement training for inspectors in Canada and the U.S. begins by learning the elements critical to taking enforcement action under the governing regulations. Inspectors also learn techniques such as how to become more effective witnesses in court. Countries such as Canada, the U.S., and the Netherlands have passed an extensive number of environmental laws, regulations, and policies over the last two decades. The United States has a very strong compliance and enforcement program which is reflected by the high percentage of their courses that include this type of training.
- **Technical Training:** The technical training courses provided for the compendium were largely media-specific and often included instruction on sampling, modelling, and assessing or inspecting industrial equipment. Australia (*AUS03*), Canada(*CAN07,22*), and the United States(*USA03*)

submitted courses on air emissions. The technical aspects of air inspection training included identifying and sampling air emissions from point and fugitive sources, increasing awareness of air pollution control technologies, and determining the correct operation and maintenance of equipment. Training courses in the compendium that focus on hazardous waste and contaminated site clean-up have technical training that focuses on landfill design and control, monitoring techniques, and cleanup technologies. Mexico offers a course (MEX01) that reviews contamination sources, evaluation of the effects of hazardous waste, monitoring techniques, and field and laboratory analysis.

3 INSPECTOR TRAINING PROGRAM

This chapter provides an overview of inspector training programs. Whereas a training *course* teaches an inspector some skill or knowledge, a training program helps both to set the parameters that guide the curricula of inspector training courses and to establish a context for ensuring that all individual inspectors have received training appropriate to their particular responsibilities. The purpose of including an overview of country programs in this report is to encourage the exchange of information through the description of program development and achievements.

3.1 Inspector Training Programs

Courses designed to teach inspectors how to conduct inspections developed from a recognized need to verify compliance, determine baseline information, and conduct enforcement actions against non-compliant entities. However, the scope and frequency of inspections has increased dramatically, and environmental protection agencies have found the need to develop consistent training courses for their inspectors. Formal inspection training programs address these concerns by providing a level of internal quality assurance and serving to create uniform policies and procedures.

In general, inspector training programs formalize a set of training requirements, establish a level of consistency and quality in inspections, and build feedback and recognition into an inspector's role. The value of an inspector training program can be seen in several facets of compliance and enforcement, including:

- the effect it has on the number of violations discovered,
- the standardized approach that allows fair comparison between different facilities and industry types,
- the enhanced likelihood that inspections will pass judicial review,
- the manner in which the regulated community and public at large perceives the inspection process, and
- the overall effect training has on the morale and efficiency of inspectors.

The course information gathered from compendium participants indicates that almost all countries, with or without a training program in place, believe that legal fundamentals, technical issues, communication skills, and administrative duties, are all essential training elements. A training program should require these four elements and provide some level of detail as to the areas of training and skills that are mandatory under each of them. Exhibit 2-8 provides an examples of program requirements:

Exhibit 3-1 Inspector Training Program Elements

1. Legal fundamentals - introduction to environmental statutes, overview of enforcement and compliance goals and strategies, administrative and judicial litigation processes, legal authority and EPA policies regarding gaining entry, use of information-gathering tools, and defining and documenting evidence
2. Technical issues - roles and responsibilities of an inspector/investigator, violation detection and investigative techniques, records inspection, statistical sampling strategies, obtaining physical samples, Quality analysis/Quality control, and lab analysis
3. Communication skills - notification, negotiation techniques, elements of an inspection plan, written documentation & reporting requirements
4. Administrative - planning considerations, travel, records management, organizational structure, contract mechanisms

3.2 Inspector Training Program Descriptions

Although many countries are on their way to developing training courses for their inspectors, the development of a comprehensive program is not as common. Only one such program is highlighted in this first edition of this Compendium but others will be added as they become available. The programs are described in terms of: 1) institutions responsible for training and 2) curricula.

United States Inspector Training Program

Achieving and maintaining a high level of compliance with environmental laws and regulations is one of the most important goals of the US Environmental Protection Agency's inspector training program. Although there is no guarantee that inspector training will enhance performance or substitute for effective day-to day work, the development of a training program will help to provide a level of consistency among inspectors and to set a standard of quality to be achieved. Providing inspectors with training will also provide for professional development and allow for effective communication of ideas and information.²

In 1988, EPA Order 3500.1 established a consistent, Agency-wide training and development program for employees leading environmental compliance inspections and field investigations. The primary goal of EPA's national training program is to develop and maintain among EPA employees, the knowledge, skills and abilities needed for high quality compliance inspections on a consistent and continuing basis. The program focuses on the training and development of EPA inspectors as well as State and local inspectors who perform this function under EPA statutes. Since State and local agencies conduct a large part of the environmental compliance inspections under EPA delegated or approved programs, these agencies are encouraged to use all relevant training materials and to participate whenever possible in the training opportunities EPA offers. Exhibit 3-2 provides key principles as outlined by EPA in the development of their Inspector Training Program:

Exhibit 3-2 Key Principles for Designing and Developing a Training Program

1. Utilize active participation by the Regions and States in the annual assessment of training needs, and in the development and evaluation of training materials and methods.
2. Review the instructional value of training materials and methods as reliance on inspection manuals is not sufficient.
3. Include training evaluation (including objective measures or tools for self-evaluation, pre-and post-training) in the materials and methods and use the results in developing and revising training.
4. Design and select training methods and materials based on the ability to replicate and deliver them to a wide audience in a cost effective manner.

Source: EPA Order 3500.1

3.2.1 The National Enforcement Training Institute

The U.S. Congress created the National Enforcement Training Institute (NETI) under the Pollution Prevention Act of 1990. It is the only congressionally mandated training entity within the U.S. Environmental Protection Agency. NETI's statutory mission is to train Federal, State, local and tribal lawyers, inspectors, civil and criminal investigators, and technical experts in the enforcement of the Nation's environmental laws. NETI experienced significant growth in the areas of personnel and training activities and has also made technological progress by using computer and satellite transmission to disseminate training materials, information and courses.

² EPA Order 3500.1, June 29, 1988.

In FY 1996, NETI trained 4,700 environmental professionals and provided training through 180 course offerings conducted in all ten EPA Regional Offices. Through funding by grants and cooperative agreements, NETI assisted the four Regional Environmental Enforcement Associations in their training. Other notable NETI accomplishments include the establishment of an electronic bulletin board system and a hotline. The bulletin board allows users from Federal, State and local governments to send and receive information related to environmental matters. The telephone hotline, 1-800-EPA-NETI, allows callers accessing the hotline to select from a menu of topics and receive information and documents by mail or facsimile. NETI's strategy is to promote a balanced training approach using traditional classroom training, hands-on learning, and cooperative agreements with other organizations. The curriculum at NETI ranges from short courses on federal environmental laws to detailed training in performing single and multimedia inspections.

3.2.2 Other Sources of Inspector Training

NETI is not the only organization in the U.S. that develops or guides environmental inspector training. Several universities and state organizations develop training courses in conjunction with NETI and other offices of U.S. EPA. The need for air-related inspections has resulted in courses being developed by institutions and organizations nationwide. For example, the Air Resources Board in California (CARB), the Air Pollution Training Institute - satellite training (APTI-EPA) and Rutgers University in New Jersey, all publish their own manuals for air pollution inspectors and offer air-related inspection topics in different regions throughout the United States. Their courses provide air pollution inspectors and professionals with technical and industry-specific training. Other environmental professionals also take these courses in preparation for cross-media inspections.

3.2.3 Curricula

Under NETI's development, course content is presented using a combination of supervised self-study, on-the-job training and classroom study. The program requirements under EPA Order 3500.1 consists of four parts: Occupational Health and Safety Curriculum, Basic Curriculum, Program Specific Curricula, and Multimedia Training. Before performing any field activities, all compliance inspectors and supervisors of inspectors are required to complete applicable health and safety training. Compliance inspectors must complete the Basic Curriculum and Program-Specific Minimum Curriculum in the assigned program areas before leading an inspection. Although EPA Order 3500.1 does not require testing as part of the training course curriculum, inspectors are expected to complete their training with a solid understanding of the materials presented.

3.2.4 Summary of Occupational Health and Safety Curriculum

The Occupational Health and Safety Curriculum establishes basic, intermediate, advanced and refresher requirements for occupational health and safety training. Employees may not engage in routine field activities until they have been trained and certified to a level commensurate with the degree of anticipated hazards. The following is an overview of the different levels of training requirements:

- **Basic Level:** 24 hours classroom training followed by three days of supervised field experience. Classroom subjects include: employee rights and responsibilities; anticipated hazards; emergency help and rescue; safe use of field equipment; use, handling and storage of hazardous materials, personal protective clothing and safe

sampling techniques.

- **Intermediate Level:** Eight hours additional classroom training, followed by three days of supervised field experience. Classroom subjects include: site surveillance and safety plan development; use and decontamination of personal protective clothing and equipment; and use of field test equipment for radioactivity, explosivity, etc.
- **Advanced Level:** Eight hours additional classroom training followed by three days of supervised experience. Required for employees who manage field activities at sites involving hazardous materials. Classroom subjects include: management of restricted and safe zones, rules for handling the press and important individuals; and safe use of specialized sampling equipment.
- **Refresher Course:** At all levels, a minimum of eight hours classroom instruction is required annually.

3.2.5 Summary of Basic Inspector Course Curriculum

The basic inspector curriculum covers the fundamentals of environmental compliance monitoring inspections, integrates key concepts and procedures from four subject areas and presents these through a combination of classroom and self-study methods. The following is an overview of the four main subject areas:

- **Legal Authorities Requirements:** Includes overview of EPA's major environmental statutes and enforcement authorities, the administrative and judicial enforcement processes, collecting and documenting evidence for enforcement proceedings and requirements for lawful entry onto private property
- **Technical Skills and Procedures:** Includes types of inspections, inspection site selection, pre-inspection planning, recognizing and documenting violations, and sample collection and handling
- **Communications:** Includes gaining entry into a facility, role of the inspector as educator, interviewing techniques and preparation of inspection reports
- **Administrative Procedures:** Includes timekeeping, leave time, travel and procurement issues

3.2.6 Program Specific Curriculum

Program specific curriculum for each major environmental program prepares inspectors/investigators to lead specific types of inspections/investigations and to obtain evidence in a technically and legally sound manner. Specific course curricula include: Air Sources, Comprehensive Environmental Response, Compensation and Liability Act, National Pollutant Discharge and Recovery Act, Pesticides/Toxic Substances, Public Water Supply Supervision, Underground Injection Control and Wetlands Protection. Exhibit 3.3 provides a summary table of general course curriculum under five major regulatory programs: Air, Water, Hazardous and Solid Waste (RCRA), Abandoned Contaminated Land (CERCLA), and Toxics and Pesticides (TSCA and FIFRA).

Exhibit 3-1. Summary of Program Specific Training Curricula

Exhibit 3-1. Summary of Program Specific Training Curricula					
AIR			WATER		
Programs	Stationary Sources	Mobile Sources	National Pollution Discharge Elimination System (NPDES)	Public Water Systems	Wetlands
Objective	Ensure every inspector has the ability to conduct a Level II inspection within 6-18 months. Give experienced personnel the opportunity to take advanced courses in their area of specialization and to upgrade their skills.	Develop investigative staff who understand goals of mobile source enforcement program, investigative techniques & data necessary to develop enforcement cases and program policies	Train inspectors performing NPDES compliance/enforcement field activities. Define process for seeking Regional feedback on inspector activities, workshops and materials for national and regional training efforts.	Inspectors should develop the ability to conduct inspections, sanitary surveys and enforcement case development.	Program provides overview of enforcement in the context of Section 404 Program and the U.S. Army Corps of Engineers' approach to permitting and enforcement.
General Training	Program structured around 3 levels of training. First level: basic inspection knowledge and skills. Second level: program specific knowledge and skills to conduct inspections of regulated air pollution source categories. Third level: advanced specialized technical training for experienced inspectors to enable them to perform complex inspections & compliance evaluations in source-specific inspections areas.	Three levels of training. Training for levels I & II includes: sampling, field testing, investigative techniques, inspection protocol, dealing with regulated parties and public in level II, inspectors learn mobile source technology and emissions effects. Training for level II includes knowledge of refinery and importer records and audit techniques for lead phase-down investigations.	Program has two components: basic and advanced. In basic courses inspectors gain a better understanding of the Clean Water Act and NPDES legal authorities and are provided with basic and technical sampling knowledge and on-the-job training with senior inspectors. For advanced inspectors, classes serve as refreshers and provide better understanding of the program.	Information acquired from program includes: EPA enforcement & strategies, fact gathering, right of entry, legal authority, water supply processes, compliance, improve operations, violations, sampling, and lab analysis.	Inspectors review their role in compliance & enforcement, the legal authority to inspect facilities, data collection, planning and conducting inspections, inspection report, and enforcement proceedings. Inspectors assist in, inspections/field investigations with experienced inspectors.
Training Methods * plus health and safety classes	*Courses I & II are designed to be completed within 6-18 months. Courses consists of 3 sections: classroom, formal on-the-job field training, and monitored self-study.	*Program is taught through classroom training, self-study manuals, and on-the-job training. There is no established time frame for delivery of these courses.	*Program is taught through classroom training, self-study manuals, and on-the-job training. There is no established time frame for delivery of these courses.	*Program is taught through classroom, self-study, & on-the-job training.	*Program is taught through classroom training, self-study manuals, and on-the-job training.

Exhibit 3-1 (continued). Summary of Program Specific Training Curricula				
	RCRA	CERCLA	TSCA/FIFRA	
Programs	Hazardous and Solid Waste	Superfund/ Abandoned Sites	Toxics & Pesticides	
Objective	Program teaches skills necessary for carrying out RCRA inspections, and provides flexibility in training delivery methods.	CERCLA staff does not perform classic compliance inspections.	Program provides inspectors with basic and specialized skills to conduct investigations under TSCA and FIFRA.	
General Training	The program's curriculum includes: general orientation, health and safety, RCRA regulatory framework, and RCRA inspections.	Inspectors are trained in: legal issues: enforcement & compliance, technical roles: inspector role, violations, investigations, records inspection, sampling, & lab analysis communication: negotiations, plans, documents & reports.	Program describes basic requirements for new inspectors and specialized courses which are required only for personnel conducting inspections in particular programs areas.	
Training Methods * plus health and safety classes	*Program is taught through classroom, self-study, & on-the-job training.	*Courses are taught in a classroom format.	*Program is taught through classroom, self-study, & on-the-job training.	

3.2.7 Multimedia Training

The goal of multimedia training is to develop a flexible work force capable of responding to changing program priorities. Multimedia training is designed to foster knowledge and skill in two or more different compliance programs. Inspectors trained to inspect more than one media while visiting a site will achieve a more efficient use of travel time and money. The following is an overview of the different levels of multimedia courses and the training requirements:

- **Level I Inspection Screening Course:** This one-day course is designed to prepare inspectors to recognize and report on obvious, key indicators of possible non-compliance in all environmental program areas relevant to a particular facility or site.
- **Level II Multi-Program Inspection Training:** This level of training entails completing the required Program-Specific Minimum Curricula in two or more compliance programs and the ability to lead inspections in two or more programs at a facility.
- **Level III Team Inspection Training:** This team inspection training addresses all relevant program requirements for a single facility. In addition to completing the Basic Curriculum, Level III training also requires Program Specific Curricula in two or more compliance programs, significant experience in leading inspections in more than one program, and specialized training in directing the activities of a team inspecting a facility.

3.2.8 Program Development

As part of US EPA's intent to foster the development of its inspector training program through NETI, it has continued to evolve and provide inspection guidance, manuals, policies, procedures, and management systems. The following are examples of programs that have developed in order to attain a high level of quality, consistency and technical standards in inspector training.

- **Supervisor's Guides:** These guides are designed to help supervisors assess an inspector's previous training and experience against established curricula. They offer a common framework for applying training requirements, annually reviewing training needs, preparing individual development plans, and requesting exceptions from training requirements.
- **Standing Work Groups:** Work groups are another useful instrument in supporting and promoting quality in all aspects of EPA's compliance and inspection monitoring programs. Established by Program Offices, these groups encourage the exchange of ideas within a diverse group of inspectors and investigators. Program Offices should also establish mechanisms to keep inspectors abreast of any policy, regulatory, and/or procedural changes between training cycles.

- **Tracking Inspector Training Status:** As required by the program, the administrator of an agency is responsible for determining which inspectors are subject to this order, and must review and approve any personnel requesting exception to the training requirements. An administrator must also setup a system to ensure that all the inspectors in that agency meet the required level of training for their position.
- **Accountability:** In order to bring about effective adherence to the inspector training program requirements, the EPA Order designates accountability. The Order requires that the assistant and regional administrators must determine who under their supervision is subject to the Order, and then, must ensure that the requirements are implemented and the materials are developed, updated, and disseminated to those inspectors.

3.3 Alternative and Developmental Programs

This section provides some analysis of informal training programs submitted for the compendium. It is important to note that many countries do not offer inspector training courses *per se*. However, the countries discussed in this section use other means of educating and training their environmental inspectors. There are many other countries currently in the process of developing training courses and programs, but INECE has only included those countries who provided information for this report.

3.3.1 General Environmental Training

The Japanese legal system does not require specialized inspector training for environmental compliance and enforcement. Therefore, Japan's Environment Agency offers general environmental training courses only. An agreement with Brazil has resulted in five water-related courses being taught in Japan, including one international course on water pollution control. The courses include lectures, discussions, exercises, and technical visits to domestic sewage plants and to wastewater treatment plants of different kinds of industry (chemical, petrochemical, brewery, soft drinks, food, etc.)

The Japanese environmental enforcement system may be described as based-on self-monitoring system. In other words, routine inspections are not practiced. A plant manager may only need to submit a report at the request of local environmental authorities. Local environmental authorities may occasionally visit sites, as necessary, in accordance with the Water Pollution Control Law and the Air Pollution Control Law. If a violation is discovered, local authorities may take administrative action by issuing improvement orders. In the worst cases, the Police Agency or the Marine Safety Agency may prosecute those facilities or individuals who are not in compliance with environmental laws.

3.3.2 Focus on institutional frameworks and environmental laws

Currently, Romanian environmental courses are typical of those of many countries who now focus on institutional framework, new Romanian environmental regulations, and standards and laboratory standardization. Romania does not have an organized environmental inspector training program. Technical conditions, organizational conditions, and limited funding at the local and national levels are contributing factors to the lack of training courses for Romanian

environmental inspectors. Romanian officials from the Ministry have participated in inspector training courses in The Netherlands and considered the experience a great opportunity.

3.3.3 Ad Hoc Seminars

The approach Scotland Environmental Protection Agency (SEPA) uses to train Pollution Prevention and Control (PPC) personnel is to provide on an ongoing basis a mixture of courses specific to an inspector's post and courses/workshops that are of general benefit to all inspectors. Ongoing training is in place to ensure that personnel are up to date with technical and legislative issues. Inspectors may attend courses internal to SEPA and other relevant courses provided by organizations external to SEPA. SEPA may provide financial assistance for staff who wish to undertake a longer course (e.g. a Masters Degree) in a relevant area.

Informally, SEPA PPC staff receive advice and support from colleagues and senior staff. Staff are arranged in teams, each with a Team Leader who directs and oversees the work of his/her staff and provides advice and guidance. There is also a staff appraisal system, which sets performance and development objectives for individuals, and reviews these on an annual basis.

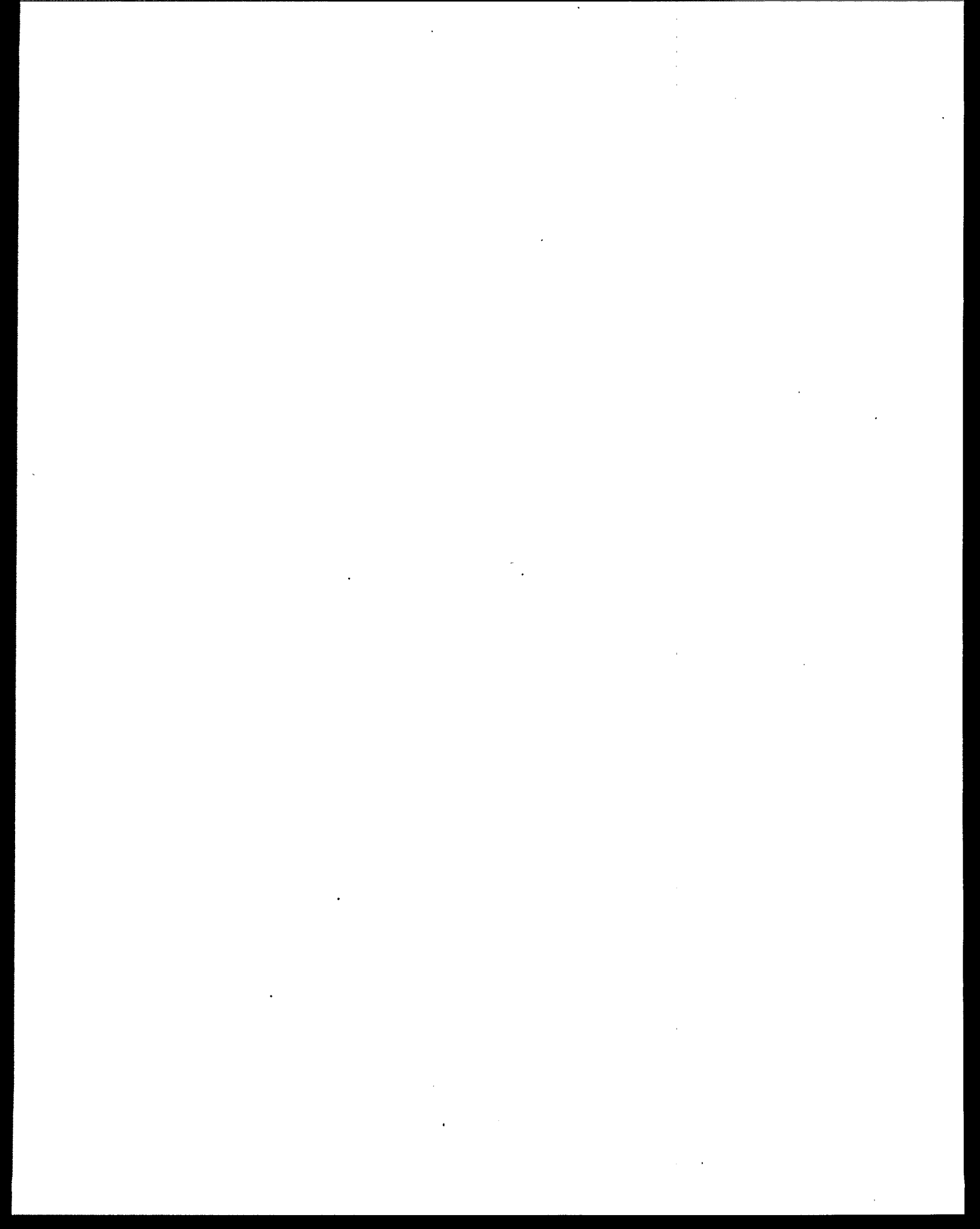
4 COURSE INDEX and COMPENDIUM

This chapter presents a series of indices and the course compendium itself. The three indices created - index of courses by topic, index of courses by country, and index of courses by language - have been added as a cross referencing tool and to allow easy access to find courses given in a certain language or a specific country. The courses have been assigned index numbers to help identify and reference them as they are discussed throughout the document.

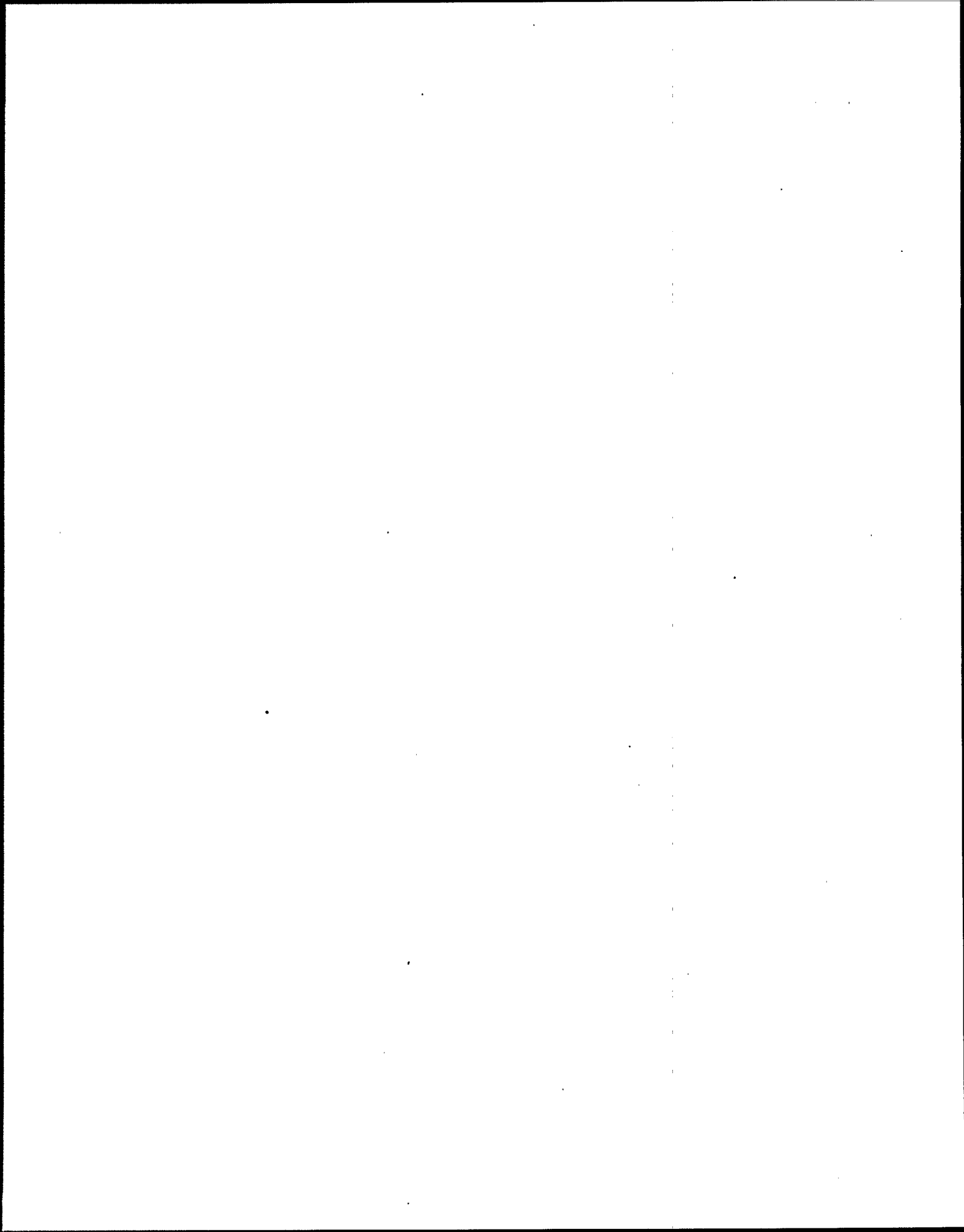
The compendium lists, by topic, all the inspector training courses submitted by participating countries. It provides a brief description of each course and a point of contact for additional information. The compendium also includes format information such as the length of courses, methods of training, and materials used, where such information was provided. The courses are grouped by topic, and within each topic, are listed by country. The course topics are as follows:

- Basic, General, and Multimedia
- Air
- Auditing (Inspection)
- Customs/Transboundary
- Environmental Enforcement and Compliance
- Environmental Law and Legal Training
- Ethics
- Hazardous Waste
- Health and Safety
- Investigator
- Pesticides
- Sampling
- Soil
- Water

The topic *Basic, General, and Multimedia Inspector Training* appears first in the compendium. These courses are typically designed to provide an overview of inspection training elements and are often a required part of an inspector's course curriculum. For many countries, these comprehensive courses are the primary form of training.



INDEX of COURSES BY TOPIC



Index of Courses by Topic

INDEX OF INSPECTOR TRAINING COURSES BY TOPIC			
COURSE TITLE	COUNTRY	LANGUAGE	COURSE #
Basic, General and Multimedia Inspector Training			
Basic Course for Inspectors	Canada	English, French	CAN03
Basic Inspector Course	USA	English	USA06
Conducting Multimedia Inspections	USA	English, Spanish	USA08
Description and Evaluation of Risks in Unit Operations	Mexico	Spanish	MEX02
Environmental Impact Assessment	Chile	Spanish	CHL03
Environmental Protection Inspector	Hong Kong	Cantonese	HKG01
Integrated Pollution Control Training for Inspectors	England	English	GBR04
Multimedia Inspections	Chile	Spanish	CHL04
Multimedia Inspections (1)	USA	English	USA18
Multimedia Inspections (2)	USA	English	USA19
Multimedia Training for Regulators	USA	English	USA20
Pollution Control Official Training Program	Thailand	Thai	THA01
Process Mapping	USA	English	USA27
Training Course for Official Inspectors - Advanced	Germany-Bavaria	German	DEU01
Training Course for Official Inspectors - Basic	Germany-Bavaria	German	DEU02
Training Programs for Provincial Inspectors	China	Chinese	CHN01
Air			
Air Inspector/ Source Specific Inspection/ Case Worker Training	USA	English	USA03
Air Inspector Training Series	USA	English	USA39
Air Practitioners Enforcement Workshop for U.S. EPA Regions and States	USA	English	USA38
Air Quality	Australia	English	AUS03
Confined Space Entry	Canada	English	CAN07
Visible Emissions Identification	Canada	English	CAN22

INDEX OF INSPECTOR TRAINING COURSES BY TOPIC			
COURSE TITLE	COUNTRY	LANGUAGE	COURSE #
Auditing			
Environmental Audit	England	English	GBR02
Environmental Auditing Course	Canada	English, French	CAN08
Environmental Auditing Course	Mexico	Spanish	MEX03
Environmental Auditing in the Fish Processing Industry	Mexico	Spanish	MEX04
Environmental Auditing in Health Services	Mexico	Spanish	MEX05
Environmental Auditing in the Maquila (textile) Industry	Mexico	Spanish	MEX06
Environmental Auditing in Recreational Facilities (Hotels and Coastal Resorts)	Mexico	Spanish	MEX07
Technical Audit for Sewer Hydraulics Models	England	English	GBR08
Customs/Transboundary Inspections			
CFC Transboundary Shipment Compliance Monitoring	USA	English	USA07
CITES Training Course for Customs Inspectors	Canada	English, French	CAN06
Export and Import of Hazardous Wastes Regulations Course - Advanced	Canada	English, French	CAN11
Export and Import of Hazardous Wastes Regulations Course - Basic	Canada	English, French	CAN12
Hazardous Waste Compliance Monitoring for Customs and Environmental Inspectors	USA	Spanish/ English	USA13
Environmental Enforcement and Compliance			
Administrative Enforcement and Case Development	USA	English	USA44
Environmental Enforcement Training	USA	English	USA10
Environmental Enforcement Negotiations Skills -- The Basics (Video)	USA	English	USA47
Environmental Law Enforcement in Practice - An Integral Approach	The Netherlands	Dutch	NLD01
National Pollutant Release Inventory Course	Canada	English, French	CAN19
Pollution Prevention for Enforcement and Compliance Officers	USA	English	USA40
Principles of Environmental Compliance and Enforcement	USA	English, Polish Hungarian, Russian Spanish, Indonesian	USA26
Project on Environmental Enforcement Practices	The Netherlands	English	NLD02

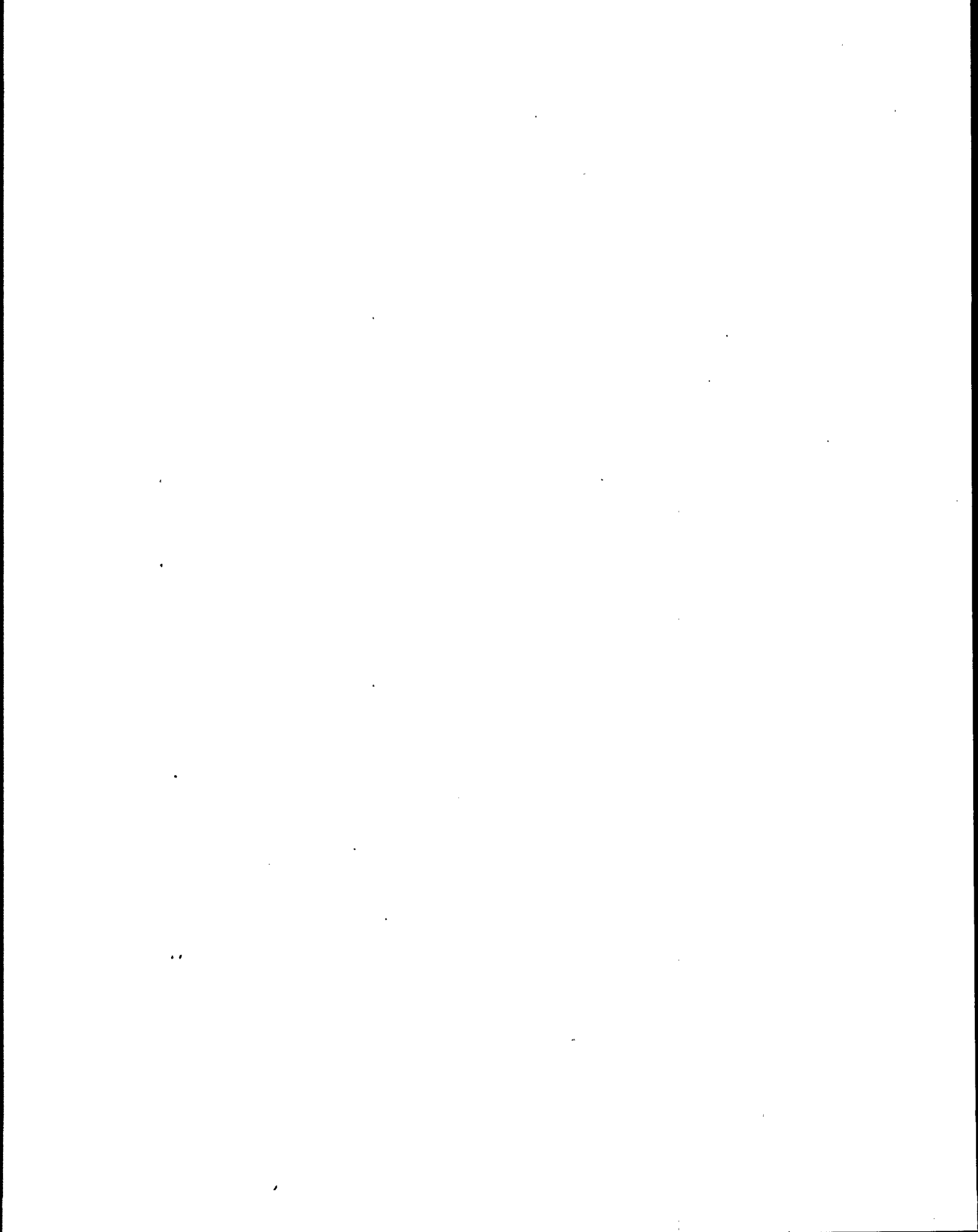
INDEX OF INSPECTOR TRAINING COURSES BY TOPIC			
COURSE TITLE	COUNTRY	LANGUAGE	COURSE #
Environmental Enforcement and Compliance			
Prosecuting Environmental Crime (MEEA)	USA	English	USA45
SEP Policy Training - Video Format	USA	English	USA46
Environmental Law and Legal Training			
Environmental Law	Ireland	English	IRL01
Environmental Regulations	Ireland	English	IRL03
Environment Protection Enforcement	Australia	English	AUS01
Environment Protection Enforcement Certificate Course	Australia	English	AUS02
Expert Witness	Australia	English	AUS05
Expert Witness	Canada	English	CAN09
Expert Witness	Canada	English, French	CAN10
Judicial and Administrative Environmental Procedures	Estonia	Estonian	EST01
Legislative, Judicial and Administrative Environmental Procedures	Mexico	Spanish	MEX09
Environmental Statutes Review Course - CBT	USA	English	USA59
Ethics			
Bioethics	Costa Rica	Spanish	CRI01
Hazardous Waste			
Contaminated Sites Clean Up	Mexico	Spanish	MEX01
Hazardous Waste Management and Disposal	Mexico	Spanish	MEX08
RCRA Inspector Institute - Advanced	USA	English	USA28
RCRA Inspector Institute - Basic	USA	English	USA29
RCRA Enforcement Practitioners Workshop	USA	English	USA61
Statistical Analysis of Groundwater Data at RCRA Facilities	USA	English	USA33
Waste Foundation Course	England	English	GBR09
Health and Safety Training			
Advanced Course of Risk Prevention in Occupational Health	Chile	Spanish	CHL01
Advanced Level Health and Safety Training	USA	English	USA34
Basic Level Health and Safety Training	USA	English	USA35
Environmental Health Management Diploma	Chile	Spanish	CHL02

INDEX OF INSPECTOR TRAINING COURSES BY TOPIC			
COURSE TITLE	COUNTRY	LANGUAGE	COURSE #
Health and Safety Training			
Health and Safety Plan	USA	English	USA14
Health and Safety Training Course	Canada	English, French	CAN14
Intermediate Level Health and Safety Training	USA	English	USA36
Refresher Health and Safety Course	USA	English	USA37
Investigator Training			
Advanced Interviewing	USA	English	USA01
Advanced Interviewing and Interrogation Workshop	USA	English	USA02
Advanced Investigative Techniques	Canada	English	CAN01
Advanced Investigators Course	Canada	English, French	CAN02
Basic Criminal Environmental Investigations	USA	English	USA04
Basic Environmental Investigations Training /Basic Environmental Enforcement Training	USA	English	USA05
Basic Environmental Investigations Training (WSP)	USA	English	USA41
Basic Environmental Investigations Training (SEEN)	USA	English	USA42
Basic Interviewing Techniques	Canada	English	CAN04
Basic Investigators Course	Canada	English, French	CAN05
Inspection and Enforcement for Missouri Department of Natural Resources (DNR) Personnel	USA	English	USA15
Interviewing and Interrogation Techniques	USA	English	USA16
Interviewing Techniques for Regulators	USA	English	USA17
Interview Skills	Ireland	English	IRL06
Investigations	Australia	English	AUS06
Investigations and Investigative Techniques	Canada	English	CAN15
Negotiations Skills Training (SEEN)	USA	English	USA43
PACE CPIA (Police and Criminal Evidence Act Criminal Procedure and Investigation Act)	England	English	GBR06
Pesticides			
Case Development Training for FIFRA/TSCA/EPCRA	USA	English	USA55
PIRT: Pesticide Product Enforcement Course	USA	English	USA56

INDEX OF INSPECTOR TRAINING COURSES BY TOPIC			
COURSE TITLE	COUNTRY	LANGUAGE	COURSE #
Pesticides			
PIRT: Use Enforcement Course (Worker Protection Standards)	USA	English	USA57
PREP: Senior Comprehensive Course (Refresher)	USA	English	USA58
Sampling			
Dispersion Monitoring	England	English	GBR01
Field Investigations Sampling and Laboratory Analysis for Mexican Inspectors	USA	English, Spanish	USA11
Groundwater Chemistry and Sampling	USA	English	USA12
Monitoring of Radioactive Substances	England	English	GBR05
Multimedia Sampling Course	Canada	English, French	CAN18
Noise Assessment, Measurement and Control	Australia	English	AUS08
Noise Measurement Techniques for Point Sources	Chile	Spanish	CHL05
Sampling for Hazardous Materials	USA	English	USA30
Sampling for Hazardous Waste	USA	English	USA31
Sampling in the Environment	Canada	English	CAN21
Soil			
Contaminated Land and Groundwater	Australia	English	AUS04
Landfills	Australia	English	AUS07
Water			
Comprehensive Ground-water Monitoring Evaluation (CME) Inspection Training - CBT Format	USA	English	USA62
Diagnostic Compliance Inspection Training	USA	English	USA09
Groundwater and Groundwater Modelling	Ireland	English	IRL04
Groundwater Investigation	Canada	English	CAN13
Ground Water Protection	England	English	GBR03
Hydro and Waste Management	Ireland	English	IRL05
Metal Mining Liquid Effluents Regulations Course	Canada	English, French	CAN16
Monitoring, Sampling and Inspection for Sewer Use By-Law Enforcement Officers	Canada	English	CAN17
NPDES Compliance Inspection Training Program Student's Guide	USA	English	USA22

INDEX OF INSPECTOR TRAINING COURSES BY TOPIC			
COURSE TITLE	COUNTRY	LANGUAGE	COURSE #
Water			
NPDES Inspector Training: Records Review (Video)	USA	English	USA49
NPDES Inspector Training: Sludge Sampling (Video)	USA	English	USA50
NPDES Inspector Training: Inspecting a Parshall Flume (Video)	USA	English	USA51
NPDES Inspector Training: Sampling at a Wastewater Treatment Facility (Video)	USA	English	USA52
NPDES Inspector Training: Conducting a Laboratory Audit (Video)	USA	English	USA53
NPDES Minimum Program Specific Inspector Training	USA	English	USA23
NPDES Performance Audit at Biomonitoring Laboratory	USA	English	USA24
Ocean Dumping Regulations Course	Canada	English, French	CAN20
Pretreatment Compliance Inspection Training	USA	English	USA25
Prosecutors Course for Water Pollution Control	Kenya	English	KEN01
Sanitary Survey Training for Inspectors of Public Water Systems	USA	English	USA32
UIC (Underground Injection Control) Inspector	USA	English	USA48
Wastewater Sampling - CBT format	USA	English	USA54
Water Quality	Australia	English	AUS09
Water Quality Foundation	England	English	GBR10

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INDEX OF INSPECTOR TRAINING COURSES BY COUNTRY		
COURSE DESCRIPTION	LANGUAGE	COURSE #
Australia		
Air Quality	English	AUS03
Contaminated Land and Groundwater	English	AUS04
Environment Protection Enforcement	English	AUS01
Environment Protection Enforcement Certificate Course	English	AUS02
Expert Witness	English	AUS05
Investigations	English	AUS06
Landfills	English	AUS07
Noise Assessment, Measurement and Control	English	AUS08
Water Quality	English	AUS09
Canada		
Advanced Investigative Techniques	English	CAN01
Advanced Investigators Course	English, French	CAN02
Basic Course for Inspectors	English, French	CAN03
Basic Interviewing Techniques	English	CAN04
Basic Investigators Course	English, French	CAN05
CITES Training Course for Customs Inspectors	English, French	CAN06
Confined Space Entry	English	CAN07
Environmental Auditing Course	English, French	CAN08
Expert Witness	English	CAN09
Expert Witness	English, French	CAN10
Export and Import of Hazardous Wastes Regulations Course - Advanced	English, French	CAN11
Export and Import of Hazardous Wastes Regulations Course - Basic	English, French	CAN12
Groundwater Investigation	English	CAN13
Health and Safety Training Course	English, French	CAN14
Investigations and Investigative Techniques	English	CAN15
Metal Mining Liquid Effluents Regulations Course	English, French	CAN16
Monitoring, Sampling and Inspection for Sewer Use By-Law Enforcement Officers	English	CAN17

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COURSE DESCRIPTION	LANGUAGE	COURSE #
Canada		
Multimedia Sampling Course	English, French	CAN18
National Pollutant Release Inventory Course	English, French	CAN19
Ocean Dumping Regulations Course	English, French	CAN20
Sampling in the Environment	English	CAN21
Visible Emissions Identification	English	CAN22
Chile		
Advanced Course of Risk Prevention in Occupational Health	Spanish	CHL01
Environmental Health Management Diploma	Spanish	CHL02
Environmental Impact Assessment	Spanish	CHL03
Multimedia Inspections	Spanish	CHL04
Noise Measurement Techniques for Point Sources	Spanish	CHL05
China		
Training Programs for Provincial Inspectors	Chinese	CHN01
Costa Rica		
Bioethics	Spanish	CRI01
Denmark		
Environmental Law - To be inserted	English	DNK
England		
Dispersion Monitoring	English	GBR01
Environmental Audit	English	GBR02
Ground Water Protection	English	GBR03
Integrated Pollution Control Training for Inspectors	English	GBR04
Monitoring of Radioactive Substances	English	GBR05
PACE CPIA (Criminal Procedure and Investigation Act)	English	GBR06
Technical Audit of Sewer Hydraulics Models	English	GBR08
Waste Foundation Course	English	GBR09
Water Quality Foundation	English	GBR10
Estonia		
Judicial and Administrative Environmental Procedures	Estonian	EST01

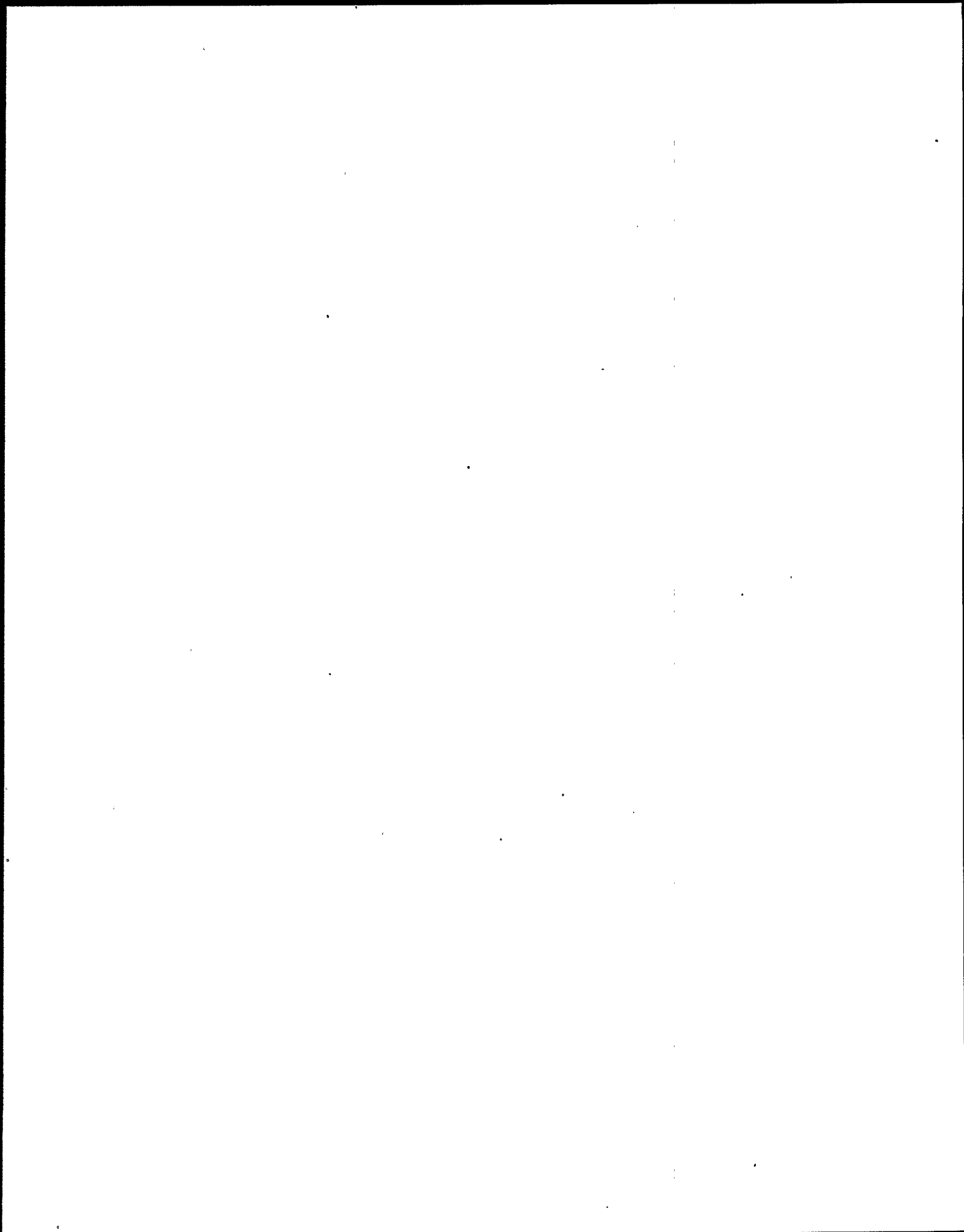
INDEX OF INSPECTOR TRAINING COURSES BY COUNTRY		
COURSE DESCRIPTION	LANGUAGE	COURSE #
Germany-Bavaria		
Training Course for Official Inspection - Advanced	German	DEU01
Training Course for Official Inspection - Basic	German	DEU02
Hong Kong		
Environmental Protection Inspector	Cantonese	HKG01
Ireland		
Environmental Law	English	IRL01
Environmental Regulations	English	IRL03
Groundwater and Groundwater Modelling	English	IRL04
Hydrol and Waste Management	English	IRL05
Interview Skills	English	IRL06
Kenya		
Prosecutors Course for Water Pollution Control		KEN01
Mexico		
Contaminated Sites Clean Up	Spanish	MEX01
Description and Evaluation of Risks in Unit Operations	Spanish	MEX02
Environmental Auditing Course	Spanish	MEX03
Environmental Auditing in the Fish Processing Industry	Spanish	MEX04
Environmental Auditing in Health Services	Spanish	MEX05
Environmental Auditing in the Maquila (textile) Industry	Spanish	MEX06
Environmental Auditing in Recreational Facilities (Hotels and Coastal Resorts)	Spanish	MEX07
Hazardous Waste Management and Disposal	Spanish	MEX08
Legislative, Judicial and Administrative Environmental Procedures	Spanish	MEX09
The Netherlands		
Environmental Law Enforcement in Practice- An Integral Approach	Dutch	NLD01
Project on Environmental Enforcement Practices	English	NLD02
Thailand		
Pollution Control Official Training Program	Thai	THA01

INDEX OF INSPECTOR TRAINING COURSES BY COUNTRY		
COURSE DESCRIPTION	LANGUAGE	COURSE #
USA		
Administrative Enforcement and Case Development	English	USA44
Advanced Level Health and Safety Training	English	USA34
Advanced Interviewing	English	USA01
Advanced Interviewing and Interrogation Workshop	English	USA02
Air Inspector Training Series	English	USA39
Air Inspector/Source Specific Inspection/Case Worker Training	English	USA03
Air Practitioners Enforcement Workshop for U.S. EPA Regions and States	English	USA38
Basic Criminal Environmental Investigations	English	USA04
Basic Environmental Investigations Training (WSP)	English	USA41
Basic Environmental Investigations Training (SEEN)	English	USA42
Basic Environmental Investigations Training/Basic Environmental Enforcement Training	English	USA05
Basic Inspector Course	English	USA06
Basic Level Health and Safety Training	English	USA35
Case Development Training for FIFRA/TSCA/EPCRA	English	USA55
CFC Transboundary Shipment Compliance Monitoring	English	USA07
Comprehensive Ground-water Monitoring Evaluation (CME) Inspection Training - CBT Format	English	USA62
Conducting Multimedia Inspections	English, Spanish	USA08
Diagnostic Compliance Inspection Training	English	USA09
Environmental Enforcement Negotiations Skills – The Basics (Video)	English	USA47
Environmental Enforcement Training	English	USA10
Environmental Statutes Review Course - CBT	English	USA59
Field Investigations Sampling and Laboratory Analysis for Mexican Inspectors	English, Spanish	USA11
Groundwater Chemistry and Sampling	English	USA12
Hazardous Waste Compliance Monitoring for Customs and Environmental Inspectors	English, Spanish	USA13
Health and Safety Plan	English	USA14
Inspection and Enforcement for Missouri Department of Natural Resources (DNR) Personnel	English	USA15

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COURSE DESCRIPTION	LANGUAGE	COURSE #
USA		
Intermediate Level Health and Safety Training	English	USA36
Interviewing and Interrogation Techniques	English	USA16
Interviewing Techniques for Regulators	English	USA17
Multimedia Inspections	English	USA18
Multimedia Inspections	English	USA19
Multimedia Training for Regulators	English	USA20
Negotiations Skills Training (SEEN)	English	USA43
Negotiations Skills Training	English	USA21
NPDES Compliance Inspection Training Program Student's Guide	English	USA22
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NPDES Inspector Training: Records Review (Video)	English	USA49
NPDES Inspector Training: Sludge Sampling (Video)	English	USA50
NPDES Inspector Training: Inspecting a Parshall Flume (Video)	English	USA51
NPDES Inspector Training: Sampling at a Wastewater Treatment Facility (Video)	English	USA52
NPDES Inspector Training: Conducting a Laboratory Audit (Video)	English	USA53
PIRT: Pesticide Product Enforcement Course	English	USA56
PIRT: Use Enforcement Course (Worker Protection Standards)	English	USA57
Pollution Prevention for Enforcement and Compliance Officers	English	USA40
PREP: Senior Comprehensive Course (Refresher)	English	USA58
Pretreatment Compliance Inspection Training	English	USA25
Principles of Environmental Compliance and Enforcement	English, Polish, Hungarian, Russian, Spanish, Indonesia	USA26
Process Mapping	English	USA27
Prosecuting Environmental Crime (MEEA)	English	USA45
RCRA Enforcement Practitioners Workshop	English	USA61
RCRA Inspector Institute - Basic	English	USA29

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COURSE DESCRIPTION	LANGUAGE	COURSE #
USA		
Refresher Health and Safety Training	English	USA37
Sampling for Hazardous Waste	English	USA31
Sanitary Survey Training for Inspectors of PWS	English	USA32
SEP Policy Training - Video Format	English	USA46
Statistical Analysis of Groundwater Data at RCRA Facilities	English	USA33
UIC (Underground Injection Control) Inspector	English	USA48
Wastewater Sampling - CBT format	English	USA54

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Cantonese		
Hong Kong	Environmental Protection Inspector	HKG01
Chinese		
China	Training Programs for Provincial Inspectors	CHN01
Dutch		
The Netherlands	Environmental Law Enforcement in Practice- An integral approach	NLD01
English		
Australia	Air Quality	AUS03
Australia	Contaminated Land and Groundwater	AUS04
Australia	Environment Protection Enforcement	AUS01
Australia	Environment Protection Enforcement Certificate Course	AUS02
Australia	Expert Witness	AUS05
Australia	Investigations	AUS06
Australia	Landfills	AUS07
Australia	Noise Assessment, Measurement and Control	AUS08
Australia	Water Quality	AUS09
Canada	Advanced Investigative Techniques	CAN01
Canada	Advanced Investigators Course	CAN02
Canada	Basic Course for Inspectors	CAN03
Canada	Basic Interviewing Techniques	CAN04
Canada	Basic Investigators Course	CAN05
Canada	CITES Training Course for Customs Inspectors	CAN06
Canada	Confined Space Entry	CAN07
Canada	Environmental Auditing Course	CAN08
Canada	Expert Witness	CAN09
Canada	Expert Witness	CAN10
Canada	Export and Import of Hazardous Wastes Regulations Course - Advanced	CAN11
Canada	Export and Import of Hazardous Wastes Regulations - Basic	CAN12

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COUNTRY	COURSE TITLE	COURSE #
English		
Canada	Groundwater Investigation	CAN13
Canada	Health and Safety Training Course	CAN14
Canada	Investigations and Investigative Techniques	CAN15
Canada	Metal Mining Liquid Effluents Regulations Course	CAN16
Canada	Monitoring, Sampling and Inspection for Sewer Use By-Law Enforcement Officers	CAN17
Canada	Multimedia Sampling Course	CAN18
Canada	National Pollutant Release Inventory Course	CAN19
Canada	Ocean Dumping Regulations Course	CAN20
Canada	Sampling in the Environment	CAN21
Canada	Visible Emissions Identification	CAN22
England	Dispersion Monitoring	GBR01
England	Environmental Audit	GBR02
England	Ground Water Protection	GBR03
England	Integrated Pollution Control Training for Inspectors	GBR04
England	Monitoring of Radioactive Substances	GBR05
England	PACE CPIA (Criminal Procedures and Investigation Act)	GBR06
England	Technical Audit of Sewer Hydraulics Models	GBR08
England	Waste Foundation Course	GBR09
England	Water Quality Foundation	GBR10
Ireland	Environmental Law	IRL01
Ireland	Environmental Regulations	IRL03
Ireland	Groundwater and Groundwater Modelling	IRL04
Ireland	Hydrol and Waste Management	IRL05
Ireland	Interview Skills	IRL06
Kenya	Prosecutors Course for Water Pollution Control	KEN01
The Netherlands	Project on Environmental Enforcement Practices	NLD02
USA	Administrative Enforcement and Case Development	USA44
USA	Advanced Level Health and Safety Training	USA34
USA	Advanced Interviewing	USA01
USA	Advanced Interviewing and Interrogation Workshop	USA02

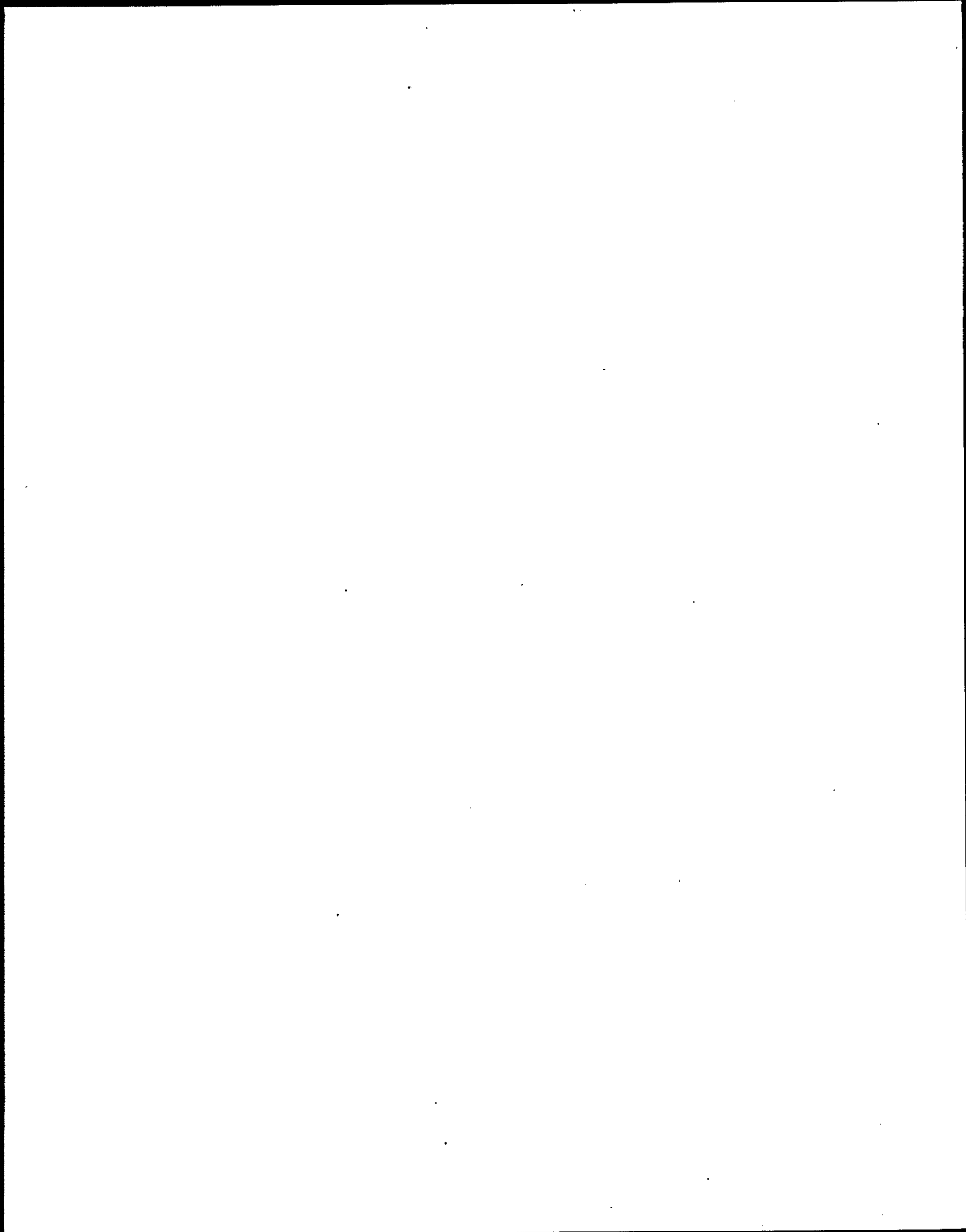
INDEX OF INSPECTOR TRAINING COURSES BY LANGUAGE		
COUNTRY	COURSE TITLE	COURSE #
English		
USA	Air Inspector/Source Specific Inspection/Case Worker Training	USA03
USA	Air Inspector Training Series	USA39
USA	Air Practitioners Enforcement Workshop for U.S. EPA Regions and States	USA38
USA	Basic Criminal Environmental Investigations	USA04
USA	Basic Environmental Investigations Training/Basic Environmental Enforcement Training	USA05
USA	Basic Environmental Investigations Training (WSP)	USA41
USA	Basic Environmental Investigations Training (SEEN)	USA42
USA	Basic Level Health and Safety Training	USA35
USA	Basic Inspector Course	USA06
USA	Case Development Training for FIFRA/TSCA/EPCRA	USA55
USA	CFC Transboundary Shipment Compliance Monitoring	USA07
USA	Comprehensive Ground-water Monitoring Evaluation (CME) Inspection Training - CBT Format	USA62
USA	Conducting Multimedia Inspections	USA08
USA	Diagnostic Compliance Inspection Training	USA09
USA	Environmental Enforcement Training	USA10
USA	Environmental Enforcement Negotiations Skills -- The Basics (Video)	USA47
USA	Environmental Statutes Review Course - CBT	USA59
USA	Field Investigations Sampling and Laboratory Analysis for Mexican Inspectors	USA11
USA	Groundwater Chemistry and Sampling	USA12
USA	Hazardous Waste Compliance Monitoring for Customs and Environmental Inspectors	USA13
USA	Health and Safety Plan	USA14
USA	Inspection and Enforcement for Missouri Department of Natural Resources (DNR) Personnel	USA15
USA	Intermediate Level Health and Safety Training	USA36
USA	Interviewing and Interrogation Techniques	USA15
USA	Interviewing Techniques for Regulators	USA17
USA	Multimedia Inspections	USA18
USA	Multimedia Inspections	USA19

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USA	Negotiations Skills Training (SEEN)	USA43
USA	NPDES Compliance Inspection Training Program Student's Guide	USA22
USA	NPDES Performance Audit at Biomonitoring Laboratory	USA24
USA	NPDES Inspector Training: Records Review (Video)	USA49
USA	NPDES Inspector Training: Sludge Sampling (Video)	USA50
USA	NPDES Inspector Training: Inspecting a Parshall Flume (Video)	USA51
USA	NPDES Inspector Training: Sampling at a Wastewater Treatment Facility (Video)	USA52
USA	NPDES Inspector Training: Conducting a Laboratory Audit (Video)	USA53
USA	NPDES Minimum Program Specific Inspector Training	USA23
USA	PIRT: Pesticide Product Enforcement Course	USA56
USA	PIRT: Use Enforcement Course (Worker Protection Standards)	USA57
USA	PREP: Senior Comprehensive Course (Refresher)	USA58
USA	Pretreatment Compliance Inspection Training	USA25
USA	Principles of Environmental Compliance and Enforcement	USA26
USA	Process Mapping	USA27
USA	Pollution Prevention for Enforcement and Compliance Officers	USA40
USA	Prosecuting Environmental Crime (MEEA)	USA45
USA	RCRA Enforcement Practitioners Workshop	USA61
USA	RCRA Inspector Institute Basic	USA28
USA	RCRA Inspector Institute Advanced	USA29
USA	Refresher Health and Safety Training Course	USA37
USA	Sampling for Hazardous Materials	USA30
USA	Sampling for Hazardous Waste	USA31
USA	Sanitary Survey Training for Inspectors of PWS	USA32
USA	Statistical Analysis of Groundwater Data at RCRA Facilities	USA33
USA	SEP Policy Training - Video Format	USA46
USA	UIC (Underground Injection Control) Inspector	USA48
USA	Wastewater Sampling - CBT format	USA54

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Estonian		
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Canada	Advanced Investigators Course	CAN02
Canada	Basic Course for Inspectors	CAN03
Canada	Basic Investigators Course	CAN05
Canada	CITES Training Course for Customs Inspectors	CAN06
Canada	Environmental Auditing Course	CAN08
Canada	Expert Witness	CAN10
Canada	Export and Import of Hazardous Wastes Regulations Course - Advanced	CAN11
Canada	Export and Import of Hazardous Wastes Regulations Course - Basic	CAN12
Canada	Health and Safety Training Course	CAN14
Canada	Metal Mining Liquid Effluents Regulations Course	CAN15
Canada	Multimedia Sampling Course	CAN18
Canada	National Pollutant Release Inventory Course	CAN19
Canada	Ocean Dumping Regulations Course	CAN20
German		
Germany-Bavaria	Training Course for Official Inspection - Advanced	DEU01
Germany-Bavaria	Training Course for Official Inspection - Basic	DEU02
Hungarian		
USA	Principles of Environmental Compliance and Enforcement	USA26
Indonesian		
USA	Principles of Environmental Compliance and Enforcement	USA26
Polish		
USA	Principles of Environmental Compliance and Enforcement	USA26
Russian		
USA	Principles of Environmental Compliance and Enforcement	USA26
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Chile	Advanced Course of Risk Prevention in Occupational Health	CHL01
Chile	Environmental Health Management Diploma	CHL02

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Chile	Multimedia Inspections	CHL04
Chile	Noise Measurement Techniques for Point Sources	CHL05
Costa Rica	Bioethics	CRI01
Mexico	Contaminated Sites Clean Up	MEX01
Mexico	Description and Evaluation of Risks in Unit Operations	MEX02
Mexico	Environmental Auditing Course	MEX03
Mexico	Environmental Auditing in the Fish Processing Industry	MEX04
Mexico	Environmental Auditing in Health Services	MEX05
Mexico	Environmental Auditing in the Maquila (textile) Industry	MEX06
Mexico	Environmental Auditing in Recreational Facilities (Hotels and Coastal Resorts)	MEX07
Mexico	Hazardous Waste Management and Disposal	MEX08
Mexico	Legislative, Judicial and Administrative Environmental Procedures	MEX09
USA	Conducting Multimedia Inspections	USA08
USA	Field Investigations Sampling and Laboratory Analysis for Mexican Inspectors	USA11
USA	Hazardous Waste Compliance Monitoring for Customs and Environmental Inspectors	USA13
USA	Principles of Environmental Compliance and Enforcement	USA26
Thai		
Thailand	Pollution Control Official Training Program	THA01

COURSE COMPENDIUM



Course Compendium

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Basic and Multimedia Inspector Training			
Canada [CAN03]	Basic Course for Inspectors The purpose of this course is to provide pollution enforcement inspectors with the core skills they require to perform their jobs. This course teaches Environment Canada's decision making process to inspectors, the powers and duties of an inspector, and the procedures to undertake before and after inspecting a site. By the end of the course, inspectors know their individual powers and obligations, how to inspect a site, the various techniques that are required in order to interview a corporation and the process of corresponding with regulated firms.	5 days Lecture, Exercises, Case Studies, Question and Answer Session, Exam English, French	Environment Canada National Programs Directorate tel: +01-819-953-0754
Chile [CHL03]	Environmental Impact Assessment The purpose of this course is to provide theoretical and practical information about environmental impact assessments. The course is directed to health ministry professionals and technicians responsible for inspecting and evaluating projects. The course differs across the country because it emphasizes the typical projects of each region. The course includes the following topics: 1. Predictive Tools: Experimental Models, Mathematical Models and Reconnaissance Techniques. 2. Evaluation Methods: Matrix Interactions, Network Interaction and Check Lists.	5 days Lectures Workshops Fieldwork Spanish	Carolina de la Fuente, Division de Salud Ambiental Ministerio de Salud tel: +664 12 50 fax: +664 42 08 e-mail: cfuente@netline.cl
Chile [CHL04]	Multimedia Inspections This course offers auditors training regarding air, water, and soil contamination produced by industrial sources. Inspectors acquire the basic concepts to complete multimedia inspections in industrial facilities. The subjects covered are: 1. Health and safety for fieldwork operations 2. Basic concepts to determine compliance with environmental regulations during an inspection 3. Inspection of wastewater 4. Pollution prevention 5. Industrial processes	5 days Lectures, Workshops, and Fieldwork Spanish	Gonzalo Aguilar, Pamela Santibañez, Division de Salud Ambiental Ministerio de Salud tel: +664 12 44 fax: +664 42 08 e-mail: gaguilar@netline.cl - or- spamela@netline.cl
China [CHN01]	Training Programs for Provincial Inspectors These courses were held by the State Environmental Protection Administration for provincial inspectors on various topics such as pollution control, environmental management, environmental monitoring and natural resources conservation	30 hours Classroom, Field Chinese	Meng Fanli 115 Xi Zhi Men Nei Nan Kiao Jie, Beijing, 100035 tel: +86-10-66153366 fax: +86-10-66151768

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Basic and Multimedia Inspector Training			
England [GBR04]	Integrated Pollution Control Training for Inspectors This course provides inspectors with general training to become an Integrated Pollution Control Inspector. Topics covered include: Health and Safety; Chemical Engineering; Monitoring; Sampling; and Environmental Impact Assessment.	2 years On-the-Job Training English	Mr. Munns, UK Environment Agency (Bedford) tel: +44-1234-277011 fax: +44-1234-355163
Germany-Bavaria [DEU01]	Advanced Training Courses for Official Inspectors This course occurs several times a year on different current topics in the fields of air pollution control and security of industrial installations, as well as waste management and noise protection.	1-2 days Classroom, Lecture German	Otto Wunderlich, Bavarian State Agency for Environmental Protection tel: +49-89-9214-2250
Germany-Bavaria [DEU02]	Basic Training Course for Official Inspectors This course prepares participants for their function as local authorities for environmental protection. Topics of the course are noise protection, waste management and air pollution control.	1 year Classroom 9 weeks, Practical Work with Authorities for 43 weeks German	Otto Wunderlich, Bavarian State Agency for Environmental Protection tel: +49-89-921-42250
Hong Kong [HKG01]	Environmental Protection Inspector The course is designed to provide environmental inspectors with a comprehensive overview of information on procedures and practices involved in a multimedia perspective of air, noise, waste, and water. This includes general background, and more specifically, information on inspections, monitoring and compliance measurement, control processes, the legal framework and enforcement.	24 days Lecture, Field Visits Cantonese	Paul Claughan, Hong Kong Environmental Protection Dept. tel: +852-2516-1768 fax: +852-2960-1756 e-mail: epdtsg@hkstar.com
Thailand [THA01]	Pollution Control Official Training Program This course for all inspectors provides trainees with crucial information on the environmental compliance and enforcement process, the role and authority of Pollution Control Officials, and strategies for inspecting different pollution sources and different media.	24 hours (within 4 days) Classroom, Field, Workshop, Case Study, Roleplay, Manual, Visual Aids, Instructor Guide, Video, Certificate, No Exams Thai	Mr. Sopon Tatichotiphan Pollution Control Department, Ministry of Science Technology and Environment, Thailand tel: +662-619-2290 fax: +662-619-2285 e-mail: sopon.t@pcd.go

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Basic and Multimedia Inspector Training			
Mexico [MEX02]	Description and Evaluation of Risks in Unit Operations This course explains the fundamentals of unit operations in industrial processes. It provides the basic concepts and criteria used to identify risks and deficiencies found in unit operations and integrates them into the methodology used for environmental auditing. The course includes the following topics: <ol style="list-style-type: none"> 1. Introduction to unit operations in industrial processes and its inclusion in the methodology for environmental auditing 2. Unit operations definitions and fundamentals (mass balances, energy balances, applications for equipment design) 3. Selection of unit operations (i.e., equipment) for process engineering 4. Control instruments for industrial equipment 5. Safety devices for industrial equipment 6. Evaluation of a piping and control diagram 	1 week Spanish	Procuraduría Federal de Protección al Ambiente Dirección de Coordinación y Capacitación tel: +528-666-94-50 fax: +528-666-94-52
USA [USA06]	Basic Inspector Course This introductory course is designed for new federal, state, and local environmental inspectors. This course provides an overview of all aspects of inspection preparation, conduct and follow-up. The course also introduces various federal environmental laws and regulations.	4 days Lecture (available on computer disk) English	Don Gipe, National Enforcement Training Institute tel: +01-303-969-5815
USA [USA08]	Conducting Multimedia Inspections This course provides an inspector with a comprehensive review of multimedia inspections, including health and safety requirements, fundamentals of compliance inspections for air, water, hazardous waste, process control and pollution prevention. One day of this course can be dedicated to country specific topics. This course has been taught in Mexico and Chile.	5 days Lecture, Field Training, and Video English, Spanish	US EPA Office of Federal Activities tel: +01-202-564-7139
USA [USA18]	Multimedia Inspections (1) This course is designed for regulatory personnel from waste, air and water programs. The course includes practical exercises on multimedia inspections and sampling, in addition to presentations involving student participation and discussion. Topics covered include multimedia presentations on air, water, and hazardous waste; how to conduct a multimedia inspection; case management; and other related subjects.	3 days Lecture, Exercises English	Connie Morder-Gillis, Northeast Environmental Enforcement Projects tel: +01-609-292-0987

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Basic and Multimedia Inspector Training			
USA [USA19]	Multimedia Inspections (2) This course, developed by an EPA/state workgroup, provides training on multimedia approaches to determining total environmental compliance and how to use this information to prepare multimedia enforcement actions, investigation techniques, investigation coordinator responsibilities, and legal requirements.	4 days Lecture English	Carroll Wills, National Enforcement Training Institute tel: +01-303-969-5815
USA [USA20]	Multimedia Training for Regulators This course includes practical exercises in multimedia inspection methods. A sampling demonstration is held as well as an on-site mock inspection of an operating electroplating facility.	3 days English	Jim Triner, Midwest Environmental Enforcement Assoc. tel: +01-847-742-1249
USA [USA27]	Process Mapping This program involves a one day training portion in the classroom and a half-day on-site training at a business location to learn how to identify the components of any process used to manufacture or provide services. With this knowledge, participants can assess any process and then identify areas that produce waste/pollution and fashion solutions to prevent pollution.	1.5 days Lecture and On-Site Training English	Leila Wrathall, Oregon Department of Environmental Quality tel: +01-503-229-6661
Air			
Australia [AUS03]	Air Quality This course for Australian Environment Protection Authority Operations inspectors offers practical knowledge and experience in air quality and increases competence in the following areas: <ol style="list-style-type: none"> 1. Using and interpreting Air-SEPP 2. Plant siting issues 3. Processing applications for work approvals and licences 4. Identifying and predicting air emissions from point and fugitive sources 5. Air pollution control technologies 6. Modelling 7. Regional and global air quality issues 	2 days Classroom (and a Computer Training Room) English	Shea Edwards, Environment Protection Authority tel: +03-9628-5001 fax: +03-9628-5205 email: +shea.edwards @epa.vic.gov.au

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Air			
Canada [CAN07]	Confined Space Entry This course familiarizes participants with safe practices and procedures for entry and the correct operation and maintenance of equipment. Participants are provided with an opportunity to learn about the following topics: safety requirements; physical and atmospheric hazards of confined spaces; protective equipment; respiratory protection; atmospheric sensing and detection; entry procedures; and emergency and rescue techniques.	5 days Lecture, Hands-on Practice, Exercises English	Ed Keough, Ontario Ministry of Environment and Energy tel: +01-416-440-3529
Canada [CAN22]	Visible Emissions Identification This course provides participants an opportunity to acquire comprehensive knowledge of visible emissions - their cause and regulation; classification and identification of sources; legal aspects and courtroom appearances; practice in identification of opacities of visible emissions; and other related subjects.	3 days Lecture, Practice Sessions English	Ed Keough, Ontario Ministry of Environment and Energy tel: +01-416-440-3529
USA [USA38]	Air Practitioners Enforcement Workshop for U.S. EPA Regions and States This course provides enforcement and case development training to Regional and State inspectors, case workers, and attorneys; covers intermediate and advanced topics.	English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA39]	Air Inspector Training Series This series of basic through advanced courses provides training for federal, state, local and tribal inspectors to meet the requirements of EPA Order 3500.1 and basic enforcement, source-specific inspection training and some case development training. Delivered by Rutgers University/EOHSL.	English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA03]	Air Inspector/ Source Specific Inspection/ Case Worker Training This is a series of courses which provides training for federal, state, local, and tribal inspectors and provides basic enforcement, source specific inspection training, and case development training for other enforcement personnel.	Series of Lectures English	Mary Boyer, California Air Resources Board tel: +01-916-322-6037
Auditing (Inspection)			
Canada [CAN08]	Environmental Auditing Course This course provides inspectors with basic knowledge of the environmental audit process, and trains inspectors in applying and developing audit skills and techniques for conducting specialized inspection activities.	3 days - Lecture, Discussion, Practicles, Exercises, Course Evaluation English	Environment Canada National Programs Directorate tel: +01-819-953-0754

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Auditing (Inspection)			
England [GBR02]	Environmental Audit This course teaches the techniques of auditing environmental performance and controls. The training will enable inspectors to carry out the following tasks: <ol style="list-style-type: none"> 1. Understand and apply the techniques of waste minimization 2. Plan and conduct an environmental audit 3. Identify and quantify the environmental effects of wastes 4. Understand the implications of all relevant legislation 5. Apply environmental management systems 6. Use the range of relevant Environment Agency waste minimization tools 	5 days Seminar, Case Study, Discussion, Practical Audits, Exam English	Richard Skipp, John Nicholson, UK Environment Agency tel: +44-1454-624400 fax: +44-1454-624409
England [GBR08]	Technical Audit of Sewer Hydraulics Models This specialized course instructs water quality modelers on how to audit, assess, and regulate the modelling of sewerage systems in support of consent applications for intermittent discharges. The course covers these topics: <ol style="list-style-type: none"> 1. The role of sewer hydraulic models in consenting intermittent discharges 2. The principles of hydraulic modelling of sewer systems 3. The capabilities and weaknesses of commonly used models 4. How to interpret model results 5. Data requirements 	3 days Lecture English	Richard Skipp, John Nicholson UK Environment Agency tel: +44-1454-624400 fax: +44-1454-624409
Mexico [MEX03]	Environmental Auditing Course The course explains how to perform and supervise environmental audits in industrial facilities. The course is offered to environmental auditors, related government personnel, and the private industry. The topics covered are: <ol style="list-style-type: none"> 1. Background of environmental auditing (origins and implementation) 2. Legal fundamentals 3. Introduction to environmental auditing 4. Auditing in industrial facilities 5. Pre-auditing stage, auditing stage, auditing planning for production processes, and post-auditing stage 6. Environmental and economic benefits resulting from environmental auditing 	1 week course Spanish	Patricia Ordoñez Ortiz, Procuraduría Federal de Protección al Ambiente Dirección de Coordinación y Capacitación tel: +528-666-94-50 fax: +528-666-94-52

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Auditing (Inspection)			
Mexico [MEX04]	Environmental Auditing in the Fish Processing Industry This course instructs auditors in how to perform and supervise environmental audits in the fish processing industry. This course is also opened to private industry. The topics covered are: <ol style="list-style-type: none"> 1. Background of environmental auditing (origins and implementation) 2. Introduction to environmental auditing 3. Introduction to the fish processing industry 4. Environmental auditing in the fish processing industry 5. Pre-auditing stage, auditing stage, environmental auditing programs in two production processes of the fish processing industry, and post-auditing stage 9. Environmental and economic benefits resulting from environmental auditing 	1 week course Spanish	Patricia Ordoñez Ortiz, Procuraduría Federal de Protección al Ambiente Dirección de Coordinación y Capacitación tel: +528-666-94-50 fax: +528-666-94-52
Mexico [MEX05]	Environmental Auditing in Health Services This course instructs environmental auditors and related government officials in how to perform and supervise environmental audits in health services (i.e., hospitals, clinics, etc.). Private industry personnel are invited to attend. The topics covered by the course are: <ol style="list-style-type: none"> 1. Background of environmental auditing 2. Legal fundamentals, legal and historic background 3. Applicable Regulations/Requirements 4. Administrative Requirements (government criteria and policy) 5. Type of Health Services 6. Environmental auditing in health services 7. Pre-auditing stage, auditing stage, environmental audit planning for health services, and post-auditing stage 8. Environmental and economic benefits resulting from environmental auditing 	1 week course Spanish	Patricia Ordoñez Ortiz, Procuraduría Federal de Protección al Ambiente Dirección de Coordinación y Capacitación tel: +528-666-94-50 fax: +528-666-94-52

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Auditing (Inspection)			
Mexico [MEX06]	<p>Auditing in the Maquila (textile) Industry The course explains how to perform and supervise environmental audits in maquila facilities. The course is designed for environmental auditors and related government personnel, but private industry participants are invited to attend. The topics covered are:</p> <ol style="list-style-type: none"> 1. Background of environmental auditing 2. Legal fundamentals 3. Introduction to environmental auditing 4. The maquiladora/textile industry in Mexico 5. Environmental auditing in industrial facilities 6. Environmental auditing in maquila facilities 7. Pre-auditing stage, auditing stage, environmental audit planning for production processes, and post-auditing stage 8. Environmental and economic benefits resulting from environmental auditing 	<p>1 week course Spanish</p>	<p>Patricia Ordoñez Ortiz, Procuraduría Federal de Protección al Ambiente</p> <p>Dirección de Coordinación y Capacitación</p> <p>tel: +528-666-94-50 fax: +528-666-94-52</p>
Mexico [MEX07]	<p>Environmental Auditing in Recreational Facilities (Hotels and Coastal Resorts) This course teaches how to perform and supervise environmental audits in recreational facilities (hotels and coastal resorts). The course is offered to environmental auditors and related government officials with private sector personnel invited to attend. The topics covered by the course are:</p> <ol style="list-style-type: none"> 1. Background of environmental auditing 2. Legal fundamentals, legal and historic background 3. Applicable Regulations/requirements 4. Administrative Requirements (government criteria and policy) 5. Types of Recreational Facilities 6. Environmental auditing in recreational facilities 7. Pre-auditing stage, auditing stage, environmental audit planning in recreational facilities, and post-auditing stage 8. Environmental and economic benefits resulting from environmental auditing 	<p>1 week course Spanish</p>	<p>Patricia Ordoñez Ortiz, Procuraduría Federal de Protección al Ambiente</p> <p>Dirección de Coordinación y Capacitación</p> <p>tel: +528-666-94-50 fax: +528-666-94-52</p>

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Customs/Transboundary Inspection			
Canada [CAN06]	CITES Training Course for Customs Inspectors This pilot course provides inspectors with the fundamentals of CITES. CITES was designed to combat the smuggling and illicit trading of various species, to curtail economic losses from developing countries, help protect, protect plants and animals from extinction, and reduce cruelty involved in illegal trade. Inspectors will learn how to adequately use CITES control lists and verify the validity of CITES export, import and special permits.	5 days Lecture, Exercises, Identification Sessions, Video, Exam, Course Evaluation English	Environment Canada National Programs Directorate tel: +01-819-953-0754
Canada [CAN11]	Export and Import of Hazardous Wastes Regulations Course - Advanced This course provides enforcement officers with background on Export and Import of Hazardous Wastes Regulations, and allows enforcement officers to interpret the effects of amendments to the regulations on enforcement and compliance in their region. The course also helps enforcement officers to recognize enforcement and compliance issues and explains the roles of Customs Inspectors and Canadian Environmental Protection Act (CEPA).	4 days Lecture, Exercises, Case Study, Exam English	Environment Canada National Programs Directorate tel: +01-819-953-0754
Canada [CAN12]	Export and Import of Hazardous Wastes Regulations Course - Basic This course explains the conditions outlined in Export and Hazardous Waste Regulations for export, import, and transit of hazardous wastes. The course will explain the background and rationale for the regulations, document verification, and the international system of waste classification.	4 days Lecture, Exercises, Case Study, Exam English	Environment Canada National Programs Directorate tel: +01-819-953-0754
USA [USA07]	CFC Transboundary Shipment Compliance Monitoring The training is a one-day course for Customs Service Inspectors to provide them with an understanding of environmental and legal reasons to stop the illegal importation of CFCs. The course discusses the ozone layer, CFCs and their uses, and the legal framework for banning CFCs.	1 day Lecture English	Phylliss Putter, US EPA Region VI Enforcement tel: +01-214-665-7271

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Customs/Transboundary Inspection			
USA [USA13]	Hazardous Waste Compliance Monitoring for Customs and Environmental Inspectors This course trains customs and environmental officials in how to monitor compliance with laws and how to regulate the transboundary shipment of hazardous waste. The training seeks to build multi-agency international cooperation and partnerships in detecting violations of these laws. The training includes modules on hazardous materials and hazardous waste regulations, waste exporter/importer profiles, hazardous waste compliance monitoring, and other environmental regulations governing transboundary shipments.	1 day Lecture Bilingual Course: Spanish/ English	Lawrence Sperling, USEPA Office of Federal Activities National Enforcement Training Institute tel: +01-202-564-7139
Environmental Compliance and Enforcement			
Canada [CAN19]	National Pollutant Release Inventory Course This course trains explains the purpose and functions of Environment Canada's National Pollutant Release Inventory (NRPI) database with a focus on compliance verification and enforcement.	1 day Seminar English	Environment Canada National Programs Directorate tel: +01-819-953-0754
The Netherlands [NLD01]	Environmental Law Enforcement in Practice - An Integral Approach This basic training course provides general information on environmental problems and methods of handling these issues. Special attention is given to the structure and function of different authorities involved in the enforcement process.	Lecture, Hands-on Experience Dutch	Jo Gerardu, Ministry of Housing, Spatial Planning and the Environment Netherlands tel: +31-118-633792 e-mail: Gerardu@ IMH- Zeeland.DGM. minvrom.nl
The Netherlands [NLD02]	Project on Environmental Enforcement Practices The overall objective of this training course is to improve the implementation, inspection, and enforcement of environmental legislation through a structured and systematic exchange of field experiences in the Member States of the European Union. A framework will be developed for the analysis and reporting of the enforcement practices.	Lecture, Case Study English	Jo Gerardu, Ministry of Housing, Spatial Planning and the Environment tel: +31-118-633792 e-mail: Gerardu@ imh-zeeland.dgm. minvrom.nl

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Environmental Compliance and Enforcement			
USA [USA44]	Administrative Enforcement and Case Development This course is designed for inspectors, case development officers and enforcement attorneys, provides an overview of EPA's administrative enforcement process. This course takes a case from the inspection to presentation before an Administrative Law Judge or a referral to the Department of Justice. Topics include case development, gathering evidence, witness and trial preparation, argument, appeals, parallel proceedings for criminal cases and writing an	3 days classroom English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA10]	Environmental Enforcement Training This course consists of two sessions: one session trains regulatory personnel in enforcement techniques and the legal aspects surrounding environmental cases, and a second session trains public sector environmental attorneys in scientific and technical disciplines associated with environmental cases. This course emphasizes administrative and civil enforcement methods and covers the topics of negotiation, pollution prevention programs, bankruptcy, and other topics of current interest in civil enforcement.	2 sessions English	Kathleen Braase, tel: +01-602-542-3881
USA [USA47]	Environmental Enforcement Negotiations Skills - The Basics (Video) This new course trains federal, state, local and tribal enforcement personnel the basic techniques to negotiate settlements in enforcement matters		NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430
USA [USA40]	Pollution Prevention for Enforcement and Compliance Officers This interactive workshop teaches the fundamental concepts of pollution prevention and assessment techniques, introduces the Supplemental Environmental Projects (SEP) policy and shows how to apply pollution prevention techniques to SEPs, compliance assistance programs and injunctive relief programs.	2 days English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA45]	Prosecuting Environmental Crime (MEEA) This training course is designed for local prosecutors, and the regulators and investigators with whom they will work. Students will discuss and practice the necessary skills to successfully begin or expand enforcement of environmental law and regulations within their jurisdiction.		NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Environmental Compliance and Enforcement			
USA [USA46]	SEP Policy Training - Video Format This new video course trains federal, state and local enforcement staff how to implement the Supplemental Environmental Projects Policy. Course available in mid FY 1998.		NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA26]	Principles of Environmental Compliance and Enforcement The course provides a framework for designing effective compliance strategies and enforcement programs. It should enable participants to implement environmental requirements in their own nations. The course uses hypothetical case studies to explore how nations develop environmental requirements to address an environmental problem; to examine the range of motivations to comply with or violate environmental laws and the barriers to compliance; and to describe the desired behavioral changes. The course demonstrates how to develop programs and strategies which address all elements of the framework for compliance. This course serves as a basis for capacity building and information exchange.	3 days Interactive Facilitated Sessions, Exercises, Case Studies, Role Play English, Polish, Hungarian, Russian, Spanish, Indonesian	Beverly Updike, U.S. EPA Office of Federal Activities tel: +01-202-260-8316
Environmental Law and Legal Training			
Australia [AUS01]	Environment Protection Enforcement This course provides environmental officers with a solid overview of the purpose, nature, and procedures of the Environment Protection Act of 1993. This ensures that students understand the holistic approach to environmental protection, the range of compliance tools and incentives available, and the enforcement procedures to utilize if necessary. A multimedia approach is used.	5 days Lecture, Role-play, Workbook Exercises, Videos, Transparencies, Case Studies, Exam, Certificate, Course Evaluation English	Ivan Winter, EPA South Australia tel: +618-8204-2082 fax: +618-8204-2020
Australia [AUS02]	Environment Protection Enforcement Certificate Course This course is designed primarily for preparing inspectors to become authorized officers under the Environment Protection Act of 1993. Provides a basic understanding of environmental laws and the background, purpose, and structure of the South Australian Environment Protection Act. It addresses the roles and responsibilities of authorized officers under the legislation and the available methods for dealing with violations and enforcement actions. A multimedia approach is used.	1 week Classroom, Overhead Presentation, Manuals, Reference Materials, Take-home Problem, Certificate, Course Evaluation English	Paul Leadbetter, Australian Centre for Environmental Law, University of Adelaide tel +61-8-8303-5582 fax+61-8-8303-4344

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Environmental Law and Legal Training			
Australia [AUS05]	Expert Witness This course gives Operations staff an understanding of their roles in EPA legal proceedings. The course will enable trainees to prepare expert statements, give oral evidence, and rebut another party's expert evidence in courts and tribunals.	Classroom, Workshops English	Shea Edwards, Environment Protection Authority tel: +03-9628-5001 fax: +03-9628-5205 email: +shea.edwards @epa.vic.gov.au
Canada [CAN07]	Expert Witness This course is designed to increase participants' comfort and confidence level as a witness by providing information on relevant legislation, witness rights and responsibilities, testimony preparation, tips for giving evidence, proper conduct, and how to deal with questions.	2 days Lecture, Case Studies, Videos English	Ed Keough, Ontario Ministry of Environment and Energy tel: +01-416-440-3529
Canada [CAN08]	Expert Witness This course is intended to raise the comfort level and understanding of experts and other people that could be involved in environmental prosecutions to the court system and environment, and to train participants in court behavior. By the end of the course inspectors have a greater knowledge of the investigation and prosecution process and better understanding of the role of an investigator and expert witness in court. Participants also acquire a better understanding of the Canadian Court System and its procedures.	4 days Lecture, Video, and Mock Trials English, French	Environment Canada National Programs Directorate tel: +01-819-953-0754
Estonia [EST01]	Judicial and Administrative Environmental Procedures This course provides basic judicial knowledge to practicing government environmental inspectors who have not had judicial education. Inspectors receive training on how to conduct inspections, the requirements for an inspection, enforcement and compliance, and ethics. The key topic is the legal role of an inspector in regard to environmental violations and crimes.	40 hours Classroom, Exam Estonian	Himot Maran, Heiki Nurmsalu email: himot@klab.envir.ee heiki@klab.envir.ee
Ireland [IRL01]	Environmental Law This course introduces to the basic principles of environmental law and of the major judicial decisions in this area. Participants are instructed in techniques for environmental management, the role of the European Union and international law; liabilities for environmental damage, water pollution and air pollution legislation, waste legislation, integrated pollution control.	2 days Lecture, Case Study, Exercises, and Discussion English	Tom Stafford, Environmental Protection Agency tel: +353-53-60600 fax: +353-53-60698 e-mail: t.stafford@epa.ie

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Environmental Law and Legal Training			
Ireland [IRL03]	Environmental Regulations This course provides an overview of the framework for environmental control, mandatory requirements, and voluntary environmental management systems. Participants will gain a basic understanding of environmental control mechanisms such as planning requirements, environmental impact assessments and integrated pollution control (IPC). There is also a review of the requirements for waste disposal, effluent discharge, air emissions and noise; and an appreciation of the major environmental management systems (EMS) and auditing procedures which companies can implement to achieve improved practices.	1 day Workshop English	Tom Stafford, Environmental Protection Agency tel: +353-53-60600 fax: +353-53-60698 e-mail: t.stafford@epa.ie
Mexico [MEX09]	Legislative, Judicial and Administrative Environmental Procedures This course teaches participants about the reforms and additions to the General Law of Ecological Balance and the Protection of the Environment. This course also reviews the criteria and plans which must be followed when deciding what recourse and methods of protection to use in certain environmental situations.	3 days Lecture, Texts, Legal Reference Manual, Case Study, Overhead Transparencies, Workshop Spanish	Edgar Del Villar, Alvclais, PROFEPA tel: +528-53-91 or +528-54-02 fax: +528-53-91 e-mail: evillar@ buzon.semarnap.gob.mx
USA [USA59]	Environmental Statutes Review Course - CBT This interactive computer-based training course covers the basic provisions and enforcement authorities of CERCLA, CAA, CWA, FIFRA, EPCRA, RCRA, and TSCA. The course is divided into seven modules (one for each statute), and gives a description of the regulatory program and to whom it would apply, and summarizes the enforcement authorities and some of the compliance and monitoring techniques associated with the program. Includes practice exercises and quizzes.		NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
Ethics			
Costa Rica [CRI01]	Bioethics This course provides ethics training based on the assumption that neither legislation nor scientific knowledge are the sole factors in determining the protection of natural resources. The objectives of the course are to offer the participants the logic and methodological fundamentals to perceive the human being as part of a relational organic system. The course intends to promote attitudes of solidarity, justice and equity with all living creatures and urges the necessity of effective action for the defense and conservation of natural resources.	40 hours Lectures Spanish	Bolívar Ulate Chacón, Sistema Nacional de Areas de Conservacion tel: +506 283 8004 fax: +506 283 7343 e-mail: bybulate@ ns.minae.co.cr

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Hazardous Waste			
England [GBR09]	Waste Foundation Course This course gives inspectors a broader perspective on daily waste-related role of inspectors by discussing the broad theoretical context of basic waste regulation and management. Course topics will include: <ol style="list-style-type: none"> 1. Definitions and sources of waste 2. Basic risk assessment for waste management 3. Management mechanisms 4. Legislative controls 5. Overview of relevant and related legislation 6. Waste minimization, treatment and incineration 7. Landfill design and control 	4 days Seminar, Case Study, Discussion English	Richard Skipp, John Nicholson UK Environment Agency tel: +44-1454-624400 fax: +44-1454-624409
Mexico [MEX01]	Contaminated Sites Clean Up The objective of the course is to provide environmental auditors the fundamentals and methods for clean up of hazardous wastes contaminated sites. The topics covered are: <ol style="list-style-type: none"> 1. Introduction to contaminated sites clean up. 2. Regulatory Framework. 3. Contamination sources, transport paths and receiving bodies for soils contamination. 4. Evaluation of effects caused by hazardous wastes. 5. Direct investigation, monitoring techniques, field and laboratory analysis. 6. Description of main techniques (physical, chemical, and biological) for the cleanup of sites contaminated with hazardous wastes. 	1 week course Spanish	Procuraduría Federal de Protección al Ambiente Dirección de Coordinación y Capacitación tel: +528-666-94-50 fax: +528-666-94-52

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Hazardous Waste			
Mexico [MEX08]	Hazardous Waste Management and Disposal The course provides participants with the knowledge to handle hazardous waste and identify the procedures of handling and disposing of waste, as well as provide the necessary knowledge of the rules and regulations with regard to this issue.	5 days Lecture and Practical training	Edgar Del Villar Alvclais, PROFEPA tel: +528-53-91 or +528-54-02 fax: + 528-53-91 e-mail: evillar@ buzon.semarnap. gob.mx
USA [USA61]	RCRA Enforcement Practitioners Workshop This course reviews techniques and processes necessary for case development, participate in discussions concerning the RCRA regulations, and examine creative methods to pursue enforcement. This course is open to RCRA technical and legal enforcement personnel.	3 days classroom English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA28]	RCRA Inspector Institute - Advanced The Resource Conservation Recovery Act (RCRA) is the U.S. law that addresses solid and hazardous wastes. This course provides experienced RCRA inspectors with information on the current and more complex issues in RCRA enforcement, including the definition of solid waste, land disposal restrictions, air emission regulations, multimedia inspections, and the changing role of the RCRA inspector.	5 days Lecture English	Ann Stephanos, National Enforcement Training Institute tel: +01-202-564-4006
USA [USA29]	RCRA Inspector Institute - Basic The Resource Conservation Recovery Act (RCRA) is the U.S. law that addresses solid and hazardous wastes. This course is designed to provide state, federal and local RCRA inspectors with a general background in RCRA enforcement issues.	3 days Lecture English	Ann Stephanos, National Enforcement Training Institute tel: +01-202-564-4006
USA [USA33]	Statistical Analysis of Groundwater Data at RCRA Facilities The Resource Conservation Recovery Act (RCRA) is a U.S. law that addresses solid and hazardous wastes. The course begins with a guide to current RCRA statistical regulations and the implications for anyone analyzing groundwater data under RCRA. Basic statistical concepts are explored as well as the fundamentals of hypothesis testing and statistical error at an entry and intermediate level.	3 days Lecture English	Kirk Cameron, MacStat Consulting tel: +01-719-532-0453 e-mail: kcmacstat@aol.com

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Health and Safety Training			
Canada [CAN14]	Health and Safety Training Course This course is designed for enforcement personnel involved in the numerous operations and activities required at waste generating sites and contaminated sites. It provides information necessary to evaluate site hazards and implement safety procedures to protect the health and safety of site personnel.	5 days Lecture, Exercises, Case Studies, Open Forum, Course Evaluation English, French	Environment Canada National Programs Directorate tel: +01-819-953-0754
Chile [CHL01]	Advanced Course of Risk Prevention in Occupational Health The purpose of this course is to instruct engineering professionals, from both the public and private sectors, regarding risk prevention in the workplace. The course has four parts: <ol style="list-style-type: none"> 1. Introduction to risk prevention of accidents and occupational diseases. 2. Basic occupational health 3. Differentiated stages 4. Fieldwork 	8 months Lectures, Workshops, Group projects, and Literature Review Spanish	Gustavo Molina, Departamento de Salud Ocupacional Instituto de Salud Publica de Chile tel: +239 11 05
Chile [CHL02]	Environmental Health Management Diploma The objective of this course is to instruct a professional in the management of environmental problems that affect human health. It provides an overall approach that will enable the attendee to understand the severity of environmental degradation, the social and economical issues and the impact of pollution on the population's health. Furthermore, the course intends to instruct the attendees about project management in the area of environmental health, stressing the population well being in a sustainable development environment. The course is divided into four modules: <ol style="list-style-type: none"> 1. Introduction to environmental health 2. Debate in environmental health, diagnostics and answers 3. Environmental management and human systems 4. Social participation and the environment 	255 hours Lectures, Workshops, Laboratory sessions, and Fieldwork Diploma Spanish	Alejandra Figueroa, Instituto de Salud Publica de Chile tel: +239-11-05 Elisa León Division de Salud Ambiental, Ministerio de Salud tel: +664-12-44 fax: +664-42-08
USA (USA34)	Advanced Level Health and Safety Plan Information to be inserted.	8 hours English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Health and Safety Training			
USA (USA35)	Basic Level Health and Safety Plan Information to be inserted.	24 hours English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA14]	Health and Safety Plan This course is intended for personnel responsible for developing site specific health and safety plans at uncontrolled hazardous waste sites and for extended emergency response operations.	1 day Lecture, Computer Exercises English	Kathie Embry, US EPA (Halliburton NUS) tel: +01-513-251-7669
USA (USA36)	Intermediate Level Health and Safety Plan Information to be inserted.	8 hours English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA (USA37)	Refresher Health and Safety Training Information to be inserted.	Minimum of 8 hours annually English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA14]	Health and Safety Plan This course is intended for personnel responsible for developing site specific health and safety plans at uncontrolled hazardous waste sites and for extended emergency response operations.	1 day Lecture, Computer Exercises English	Kathie Embry, US EPA (Halliburton NUS) tel: +01-513-251-7669
Investigator Training			
Australia [AUS06]	Investigations This course provides Australian EPA Operations staff with knowledge of the relevant powers, controls and provisions in the Act as they are applied to motor vehicles, industrial waste, and scheduled and non scheduled premises. Operations staff will also receive instruction on correct procedures for investigating complaints, conducting fair and thorough investigations, and the powers of authorized officers. The course will enable staff to enforce provisions of the Act; use pollution abatement, noise control and clean up provisions of the Act; and meet sampling requirements.	3 days Classroom, Field Work English	Shea Edwards, Environment Protection Authority tel: +03-9628-5001 fax: +03-9628-5205 email: +shea.edwards@epa.vic.gov.au

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Investigator Training			
Canada [CAN01]	Advanced Investigative Techniques This course covers a number of subjects relating to proper, concise and complete methods of investigation of the Nova Scotia Department of the Environment's Acts and Regulations. Emphasis is placed on warrants, search and seizures, lawyer/client privilege, statement taking techniques, court briefs, disclosure, Charter of Rights, and simulated court room proceedings.	4 days Lecture, Group Discussions, Case Studies, Video, and Workshops English	Derek White, Nova Scotia Department of Environment tel: +01-902-424-6341
Canada [CAN02]	Advanced Investigators Course This course supplements current investigative knowledge of the participant in several key areas. The course is designed for investigators who are non-peace officers and is designed to improve the ability, skill, and knowledge of the investigator with respect to their day to day duties such as gathering evidence and information relevant to suspected violations.	5 days Information Sessions, Exercises, Lectures, Case Study, Exam, Course Evaluation English, French	Enforcement Management Division Environment Canada tel: +01-819-953-0754 fax: +01-819-953-3459
Canada [CAN04]	Basic Interviewing Techniques This workshop provides information on what to look for when conducting interviews and covers topics such as reading body language, verbal, and non-verbal signs.	1 day Lecture and Exercises English	Dene Berry, Alberta Environmental Protection tel: +01-403-427-6209
Canada [CAN05]	Basic Investigators Course This course prepares enforcement investigators for their daily activities. Some of the topics covered in this course include: the Canadian Judicial System; Identification of an Offense; and Court Procedures and Documents.	10 days Information Sessions, Exercises, Lectures, Case Study, and Exam English, French	Enforcement Management Div. Environment Canada tel: +01-819-953-0754 fax: +01-819-953-3459
Canada [CAN15]	Investigations and Investigative Techniques This basic environmental investigation course gives participants a basic understanding and working knowledge of the process and requirements for successful environmental crimes investigation.	2 days Lecture English	Derek White, Nova Scotia Department of Environment tel: +01-902-424-6341
England [GBR06]	PACE CPIA (Police and Criminal Evidence Act Criminal Procedure and Investigation Act) Training in application of CPIA. PACE governs the way offense investigations are conducted. The aim of PACE training is to ensure that all Enforcement Officers have a thorough understanding of relevant PACE Codes of Practice and are competent in the application of the Codes of Practice when carrying out their regulatory duties.	English	Richard Skipp, John Nicholson, UK Environment Agency tel: +44-1454-624400 fax: +44-1454-624409

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Investigator Training			
Ireland [IRL06]	Interview Skills This course provides practical training in the skills of interviewing and assessing candidates. Participants receive instruction in preparing for and structuring interviews, questioning and listening skills, and assessing candidates. Participants take part in "live" interviews and feedback will be given on recorded interviews.	2 day Classroom, Active Participation English	Tom Stafford, Environmental Protection Agency tel: +353-53-60600 fax: +353-53-60698 email: t.stafford@epa.ie
USA [USA01]	Advanced Interviewing This program teaches participants how to get information effectively from suspects and witnesses. The program teaches a multi-disciplinary approach to interviewing using the principles of influence, negotiations, and bargaining.	5 days Lecture, Lab, and Exercise Sessions English	National Center for State, Local, & Intl. Law Enforcement Training tel: +1-800-743-5382
USA [USA02]	Advanced Interviewing and Interrogation This workshop presents new techniques to enhance the interrogator's ability to obtain a legally acceptable confession. These techniques will give the interrogator the ability to tailor the interrogation to the suspect.	2 days Workshop English	Jim Triner, Midwest Environmental Enforcement Assoc. tel: +01-847-742-1249
USA [USA04]	Basic Criminal Environmental Investigations This course leads investigators and environmental inspectors through a criminal environmental investigation. Topics include environmental legislation, evidence collection, criminal procedure, interviewing, and safety issues. The course emphasizes the team approach to criminal environmental investigations and includes a practical exercise.	5 days Lecture, Class Exercise English	Jim Triner, Midwest Environmental Enforcement Assoc. tel: +01-847-742-1249
USA [USA05]	Basic Environmental Investigations Training/Basic Environmental Enforcement Training This course cross-trains environmental regulators and criminal investigators in the methods and the techniques of investigating environmental crimes. The course offers joint presentations on topics of benefit to both disciplines but also includes breakout sessions for specific investigator or regulator topics. The course emphasizes the team approach to environmental crime enforcement.	3 to 4 day Lecture English	Connie Morder-Gillis, tel: +01-609-292-0987 Kathleen Braase, tel: +01-602-542-3881 Lana Burwell, tel: +01-334-242-7369

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Investigator Training			
USA [USA41]	Basic Environmental Investigations Training (WSP) This course is designed to cross-train environmental regulators and criminal investigators in the methods and the techniques of investigating environmental crimes. The course offers joint presentations on topics of benefit to both disciplines but also includes breakout sessions for specific investigator or regulator topics. The course emphasizes the team approach to environmental crime enforcement.	3 days classroom English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA42]	Basic Environmental Investigations Training (SEEN) This course is designed to cross-train environmental regulators and criminal investigators in the methods and techniques of investigating environmental crimes. The course offers joint presentations on topics of benefit to both disciplines but also includes breakout sessions for specific investigator or regulator topics. The course emphasizes the team approach to environmental crime enforcement.	4 days classroom English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA15]	Inspection and Enforcement for Missouri Department of Natural Resources (DNR) Personnel This course targets new field personnel and covers basic investigative issues and techniques for conducting an environmental crimes investigation.	2 days Lecture English	Bill Ralston, Missouri Department of Natural Resources tel: +01-513-751-5942
USA [USA16]	Interviewing and Interrogation Techniques This course trains criminal investigators and regulatory inspectors in the methods and techniques of conducting witness and suspect interviews, the interpretation of body language, how to improve personal communications skills, and when and how to change an interview into an interrogation.	3 days Classroom English	Jim Triner, Midwest Environmental Enforcement Assoc. tel: +01-847-742-1249
USA [USA17]	Interviewing Techniques for Regulators This course provides environmental regulators with methods and techniques for conducting witness and suspect interviews, discusses the interpretation of body language, and helps to improve personal communication skills.	1 day Classroom English	Jim Triner, Midwest Environmental Enforcement Assoc. tel: +01-847-742-1249

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Investigator Training			
USA [USA43]	Negotiations Skills Training (SEEN) This 2-day course for civil attorneys, inspectors, engineers, and technical staff presents an overview of the negotiation process with an emphasis on conducting effective negotiations in accord with State Protocol. Topics include basic principles of negotiation, preparing the negotiation strategy, and negotiation styles. Participants prepare and participate in several practical exercises.		Connie Morder-Gillis, tel: +01-609-292-0987 Lana Burwell, tel: +01-334-242-7369
Pesticides			
USA [USA55]	Case Development Training for FIFRA/TSCA/EPCRA This 2-day course trains federal and state enforcement personnel in the basic processes and legal requirements involved in developing and successfully concluding a civil administrative case issued pursuant to FIFRA, TSCA, and EPCRA.	Classroom 2 days English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA56]	PIRT: Pesticide Product Enforcement Course This course trains federal, state and tribal inspectors and enforcement personnel to perform inspections.	English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA57]	PIRT: Use Enforcement Course (Worker Protection Standards) This workshop reviews implementation of the Worker Protection Standards (WPS), and trains inspectors to complete WPS inspections.	English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430
USA [USA58]	PREP: Senior Comprehensive Course (Refresher) This course provides federal and state inspectors and other enforcement personnel a broad overview of pesticide regulations.	English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430
Sampling			
Australia [AUS08]	Noise Assessment, Measurement and Control This course is designed for Operations staff who deal with noise matters. Noise assessment, planning referral/work approval application assessment, and complaint resolution are addressed. Trainees receive technical training in noise measurement and the use of simple noise modelling.	2 days The venue for this course is Theatrette. English	Shea Edwards, Environment Protection Authority tel: +03-9628-5001 fax: +03-9628-5205 email: +shea.edwards@epa.vic.gov.au

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Sampling			
Canada [CAN18]	Multimedia Sampling Course This training allows inspectors to learn how to sample and how to safely use various equipment during field activities. By the end of the course, inspectors know the proper procedures, equipment and techniques necessary to sample appropriately and safely during field activities.	4 days Lecture, Exercises, Case Studies, Equipment Usage, Exam, and Course Evaluation English, French	Environment Canada National Programs Directorate tel: +01-819-953-0754
Canada [CAN21]	Sampling in the Environment This course provides introductory training in the knowledge, skills, and techniques necessary to take valid and representative samples of the natural environment or of manmade materials which may enter the natural environment. Participants acquire the basic principles of sampling theory and submission, legal and complaint sampling, MOEE protocols, safety, and technical assistance.	5 days Lectures, Case Studies, Hands-on Exercises English	Ed Keough Ontario Ministry of Environment and Energy tel: +01-416-440-3529
Chile [CHL05]	Noise Measurement Techniques for Point Sources This course offers environmental inspectors the technical knowledge for measuring and evaluating noise produced by point sources as required by Chilean legislation. It is intended that attendees will become confident with operating and maintaining noise measurement equipment.	3 days Lectures, Workshops, and Fieldwork Spanish	Santiago Mansilla, Division de Salud Ambiental Ministerio de Salud tel: +664 12 50 fax: +664 42 08 e-mail: slmansil@mail.bellsouth.cl
England [GBR01]	Dispersion Monitoring Training for the inspection of low level radioactive closed sources.	English	Richard Skipp, John Nicholson, UK Environment Agency tel: +44-1454-624400 email: richard.skipp@environment-agency.gov.uk
England [GBR05]	Monitoring of Radioactive Substances This course provides inspectors with competency in site visit monitoring. Inspectors are trained to use a range of sampling equipment and confidently carry out ad-hoc monitoring.	Lecture, Practicals English	Richard Skipp, John Nicholson, UK Environment Agency tel: +44-1454-624400 email: richard.skipp@environment-agency.gov.uk

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Sampling			
USA [USA11]	Field Investigations Sampling and Laboratory Analysis for Mexican Inspectors This course trains investigators, inspectors and other enforcement professionals in inspection techniques. Also available in the U.S.	Lecture English/ Spanish	Lawrence Sperling, National Enforcement Training Institute tel: +01-202-564-7141
USA [USA12]	Groundwater Chemistry and Sampling The topics covered in this course include: the basic principles of contouring; making and reading maps of groundwater contaminate flow; principles of solution chemistry; sampling of groundwater; what information is needed before sampling; various sampling methods; and documentation.	3 days Lecture English	Patrick McCarthy, Illinois EPA tel: +01-618-346-5120
USA [USA30]	Sampling for Hazardous Materials This course provides individuals who have little or no sampling experience with the practical information for effectively sampling hazardous materials at Superfund sites. The course focuses on sampling plan development, types of equipment suitable for hazardous materials sampling, and procedures for safely collecting samples.	3 days Lecture, Class Exercises, Outdoor Field Exercises, Hands-on Use of Equipment English	Kathie Embry, US EPA Contractor (Halliburton NUS) tel: +01-513-251-7669
USA [USA31]	Sampling for Hazardous Waste This training covers sampling techniques and procedures for the collection and processing of hazardous materials.	2.5 days Lecture English	Texas Natural Resource Commission tel: +01-512-239-0555
Soil			
Australia [AUS04]	Contaminated Land and Groundwater This course provides trainees the ability to manage site contamination and follow statutory environmental protection and planning procedures. Participants will gain knowledge in the following areas: 1. Guidelines for assessment and management of contaminated sites 2. Draft/final SEPP Contaminated Land 3. Identifying causes and consequences of land contamination 4. Planning and conducting a contaminated site assessment 5. Site remediation methods 6. EPA soil disposal procedures 7. Advising owners/buyers and consultants on soil contamination issues	3 days Classroom, Site Inspection, Field Investigation English	Shea Edwards, Environment Protection Authority tel: +03-9628-5001 fax: +03-9628-5205 email: +shea.edwards @epa.vic.gov.au

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Soil			
Australia [AUS07]	Landfills This course provides Operations staff with an understanding of the legislative framework pertaining to landfilling, basic hydrological concepts and their applications, and how to manage problems associated with processes that occur within a landfill.	2 days Classroom, Workshop, Mock Works Approval Application Problem English	Shea Edwards, Environment Protection Authority tel: +03-9628-5001 fax: +03-9628-5205 email: +shea.edwards@epa.vic.gov.au
Water			
Australia [AUS09]	Water Quality This course is designed for staff who work on water problems. The course provides trainees with increased understanding of regional water pollution problems, increased awareness of waste impacts on water quality, understanding of key elements of strategies for water quality control, ability to evaluate options for waste water management systems, ability to recognize best practice waste management systems and experience in assessing waste management systems using a checklist.	2 days Classroom, Interactive Case Studies	Shea Edwards, Environment Protection Authority tel: +03-9628-5001 fax: +03-9628-5205 email: +shea.edwards@epa.vic.gov.au
Canada [CAN13]	Groundwater Investigation The training provides a basic understanding of groundwater theory, sampling technology and the information required to be documented in a preliminary investigation of a groundwater complaint. Topics covered include groundwater terminology and concepts, groundwater sampling devices, complaints and investigations, and other related subjects.	5 days Lecture, Lab Sessions, Field Exercises, and Case Studies English	Ed Keough, Ontario Ministry of Environment and Energy tel: +01-416-440-3529
Canada [CAN16]	Metal Mining Liquid Effluent Regulations Course This course provides Fisheries Act Inspectors with the knowledge of mining operations to help them perform core specific activities related to Canada's Metal Mining Liquid Effluent Regulations and Guidelines.	4 days Lecture, Case Study, Exercises, Discussion, Exam, Course Evaluation English	Environment Canada National Programs Directorate tel: +01-819-953-0754

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Water			
Canada [CAN17]	Monitoring, Sampling and Inspection for Sewer Use By-Law Enforcement Officers This course provides participants with the necessary skills to understand and enforce the Model Sewer Use By-Law. Participants acquire a basic understanding of: the effects of industrial wastes on sewage collection systems, sewage works, the natural environment, human health and safety, the powers and responsibilities of an enforcement officer, sample location selection and sample taking, use of monitoring equipment, industrial inspections, and courtroom procedures.	5 days Lecture, Exercise, Role Play English	Ed Keough, Ontario Ministry of Environment and Energy tel: +01-416-440-3529
Canada [CAN20]	Ocean Dumping Regulations Course This course provides an overview of the 1975 London Dumping Convention and the subsequent development of Canada's Ocean Dumping Control Act. Compliance monitoring, inspection procedures, safety, and administrative requirements are also addressed.	3 days Lecture, Field Trip, Scenarios, Exam, Course Evaluation English	Environment Canada National Programs Directorate tel: +01-819-953-0754
England [GBR03]	Ground Water Protection This course demonstrates techniques and procedures in regulating activities likely to affect ground water.	English	Richard Skipp, John Nicholson tel: +44-1454-624400 fax: +44-1454-624409
England [GBR10]	Water Quality Foundation This course is designed to provide basic knowledge of water quality management and regulation to new environmental protection team members, and environmental protection officers and team leaders with waste backgrounds who need water knowledge to fulfil multi-functional roles. The topics to be covered include: <ol style="list-style-type: none"> 1. Sources, causes and effects of water pollution. 2. Controlled waters. 3. Sewerage systems and treatment works. 4. Control of effluent discharge. 5. Pollution prevention. 	4 days Seminar, Case Study, Discussion, Field Exercises English	Richard Skipp, John Nicholson tel: +44-1454-624400 fax: +44-1454-624409

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Water			
Ireland [IRL04]	Groundwater and Groundwater Modelling This course provides a practical approach to the solution of groundwater problems. It instructs participants in using the latest Windows-based software to model groundwater flow and contaminant transport. The course uses modelling and visualization software from Environmental Simulations, and incorporates leading USGS public domain packages such as MODFLOW and MODPATH. WINFLOW provides an introduction to rapid analytical element modelling and GROUNDWATER VISTAS is an enhanced Windows design and visualization environment.	3-4 days Hands-On English	Tom Stafford, Environmental Protection Agency tel: +353-53-60600 fax: +353-53-60698 email: t.stafford@epa.ie
Ireland [IRL05]	Hydrol and Waste Management The International Association of Hydrogeologists sponsors annual groundwater seminars on: water wells, drilling design, construction, and operation and maintenance to foster the exchange of information and discussion from scientists and engineers. The Water Wells seminar, for example, covers topics that include: the causes of well performance deterioration, diagnosing problems, preventative measures and rehabilitating and protecting wells from contamination.	2 days Lecture English	Tom Stafford, Environmental Protection Agency tel: +353-53-60600 fax: +353-53-60698 email: t.stafford@epa.ie
Kenya [KEN01]	Prosecutors Course for Water Pollution Control This proposed course is designed for the technical staff of the Ministry of Water Resources to enhance enforcement compliance with the Water Act. Course topics are to include: physical features of Kenya related to water resource issues, legislation on water resource use and pollution control, an overview of government water resources institutions and administration, water law implementation, Criminal Procedure Code and the Evidence Act.	<<Proposed>> Lecture English	Mary Karanja, Ministry of Environmental Conservation tel: +254-2-243-088 fax: +254-2-224-134
USA [USA62]	Comprehensive Ground-water Monitoring Evaluation (CME) Inspection Training - CBT Format This interactive computer training product is a guide to planning, conducting, and documenting RCRA CME inspections. The course focuses on ground-water monitoring policy and regulations rather than the technical aspects of ground-water monitoring. Modules include procedures for planning an inspection, reviewing ground-water monitoring documents, conducting site visits and writing CME	English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Water			
USA [USA09]	Diagnostic Compliance Inspection Training This course trains federal, state, and tribal compliance inspectors to diagnose compliance problems at major sewage treatment plants.	Lecture English	Dan Chadwick, NETI tel: +01-202-564-7054
USA [USA22]	NPDES Compliance Inspection Training Program Student's Guide This course prepares novice inspectors to conduct complete and accurate inspections under the National Pollution Discharge Elimination System (NPDES) program. This course is designed for independent study. The student works under the guidance of an experienced inspector or "instructor" and performs a period of intensive field work. The program reviews the Clean Water Act (CWA) and focuses on the basic policies, procedures, and NPDES inspection techniques.	Independent Study and Field Work English	Dan Chadwick, National Enforcement Training Institute tel: +01-202-564-7054
USA [USA23]	NPDES Minimum Program Specific Inspector Training This course trains federal, state, local and tribal inspectors and is required for conducting EPA inspections of facilities that discharge to waters or to sewers and regulated wastewater facilities under Clean Water Act.	Lecture English	Dan Chadwick, National Enforcement Training Institute tel: +01-202-564-7054
USA [USA24]	NPDES Performance Audit at Biomonitoring Laboratory Trains federal and state inspectors in conducting inspections and audits of lab procedures and capabilities.	Lecture English	Dan Chadwick, NETI tel: +01-202-564-7054
USA [USA49]	NPDES Inspector Training: Records Review (Video) This 10-minute video shows records review procedures of a typical NPDES inspection.	Video English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA50]	NPDES Inspector Training: Sludge Sampling (Video) This 20-minute video teaches sludge sampling procedures at an National Pollutant Discharge Elimination System (NPDES) inspection.	Video English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA51]	NPDES Inspector Training: Inspecting a Parshall Flume (Video) This 16-minute video shows the procedures for an National Pollutant Discharge Elimination System (NPDES) Parshall Flume inspection.	Video English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075

COMPENDIUM OF INSPECTOR TRAINING COURSES BY TOPIC			
COUNTRY	COURSE DESCRIPTION	COURSE FORMAT	PERSON TO CONTACT
Water			
USA [USA52]	NPDES Inspector Training: Sampling at a Wastewater Treatment Facility (Video) This 23-minute video teaches the procedures for wastewater sampling at a wastewater treatment facility.	Video English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA53]	NPDES Inspector Training: Conducting a Laboratory Audit (Video) This 25-minute video shows procedures for conducting a Performance Audit Inspection of a laboratory which performs toxicity testing.	Video English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA25]	Pretreatment Compliance Inspection Training This course trains federal and state inspectors to perform compliance inspections at sewage treatment plants with industrial pretreatment programs and at industrial users.	2 days Lecture English	Dan Chadwick, NETI tel: +01-202-564-7054
USA [USA54]	Wastewater Sampling - CBT format This computer-based training course is designed for state and federal compliance inspectors and teaches proper wastewater sampling techniques. Includes modules on pre-inspection preparation and sampling procedures.	English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075
USA [USA32]	Sanitary Survey Training for Inspectors of PWS This course trains federal and state inspectors in conducting sanitary surveys (on-site review of water source, facilities, operation, maintenance, and monitoring compliance) of public water systems.	Lecture English	Wendy Miller, National Enforcement Training Institute tel: +01-202-564-7102
USA [USA48]	UIC (Underground Injection Control) Inspector Training This course trains federal and state inspectors to conduct inspections in the Underground Injection Control Program.	1 day English	NETI Washington, DC tel: +01-800-EPA-NETI tel: +01-202-564-2430 fax: +01-202-564-0075

APPENDIX I COURSE INFORMATION FORM

International Network for Environmental Compliance and Enforcement Inspector Training Compendium

Course Profile (one for each course)

Course Title:	
Country:	

Inspector Training Contact Information			
Name:	Title:	Organization:	
Street Address:	City:	State/Province:	Postal Code:
Telephone:	Fax:	Email:	

Course Introduction and General Description	
<p><u>Course Description:</u> Please provide a brief description of the training course offered to inspectors.</p>	
<p><u>Goals:</u> What are the specific goals of the course e.g., general professional approach to inspection and reporting, specialized techniques, health and safety, understanding industrial operations or management systems, understanding professional/regulatory requirements, technical skills?</p>	
<p><u>Prerequisites:</u> Are there prerequisites for inspectors who wish to take the training course? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please give an example.</p>	
<p><u>Audience:</u> Who is the inspector training course designed for?</p> <p><input type="checkbox"/> government inspectors from all agencies</p> <p><input type="checkbox"/> environmental protection inspectors</p> <p><input type="checkbox"/> state/provincial and local level inspectors</p> <p><input type="checkbox"/> national level inspectors</p> <p><input type="checkbox"/> other (please specify):</p>	<p>What level of inspector training does the course provide?</p> <p><input type="checkbox"/> basic training</p> <p><input type="checkbox"/> advanced training</p> <p><input type="checkbox"/> specialized training in one regulatory area</p> <p><input type="checkbox"/> open to all inspectors</p> <p><input type="checkbox"/> open to new inspectors only</p> <p><input type="checkbox"/> opened to experienced inspectors only</p>
<p><u>Course Development:</u> What organization developed the training course (e.g., government agency, non-government organization, private organization)?</p>	

November 3, 1998

Inspector Training Compendium and Comparison

<u>Instructors:</u> Who are the instructors (e.g., inspectors, academic institutions, consultants)? What qualifications must an instructor have to teach a course?
<u>Revisions:</u> Has the course been revised? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, when was the last time?
<u>Length:</u> How many days or hours is the course?
<u>Frequency:</u> How many times is the training course offered per year?
<u>Course Background:</u> Approximately how many years has the course been conducted? <input type="checkbox"/> less than 1 year <input type="checkbox"/> 1-5 years <input type="checkbox"/> 5-10 years
<u>Language:</u> In what language(s) is the training course offered? Are course materials available in other languages?
<u>Instruction method:</u> Please indicate the method of instruction: <input type="checkbox"/> classroom <input type="checkbox"/> field study (hands-on) <input type="checkbox"/> home or office training <input type="checkbox"/> combination of classroom and field <input type="checkbox"/> on-the-job training <input type="checkbox"/> self study (please describe):
<u>Instructional materials:</u> What kind of instructional materials are available? <input type="checkbox"/> manuals or workbooks <input type="checkbox"/> instructors guide <input type="checkbox"/> video <input type="checkbox"/> visual aids, e.g. overhead transparencies <input type="checkbox"/> computer based training, e.g. CD ROM <input type="checkbox"/> other (please describe):
<u>Number of students:</u> How many students per training course?
<u>Completion:</u> What criteria does a trainee have to meet to successfully complete the training course?
<u>Testing:</u> Are trainees tested at the end of the course? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, is a certain score required to pass? (please explain):
<u>Recognition:</u> Do inspectors receive certification upon completion of the training course?
<u>Evaluations:</u> Are students asked to evaluate the course? What tools are used in course evaluation? <input type="checkbox"/> course evaluation sheets <input type="checkbox"/> interviews
<u>Evaluations:</u> Are evaluations used in course revisions?

Course Specific Information: Legal Aspects and Enforcement Components
Does the training course contain legal information or an overview of specific laws? <input type="checkbox"/> Yes <input type="checkbox"/> No
Are inspectors trained in the legal roles of an inspector? <input type="checkbox"/> Yes <input type="checkbox"/> No
Does the course prepare inspectors to conduct investigations? <input type="checkbox"/> Yes <input type="checkbox"/> No
Are enforcement proceedings explained to the inspectors? <input type="checkbox"/> Yes <input type="checkbox"/> No
Do inspectors receive training on how to document evidence for enforcement? <input type="checkbox"/> Yes <input type="checkbox"/> No
Does the course train inspectors to testify in court or in other legal proceedings? <input type="checkbox"/> Yes <input type="checkbox"/> No
Course Specific Information: Specific Technical Training for Inspectors
Please identify the pollution control technologies that are addressed by the course.
Does the course focus on any specific sampling technologies? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please describe these.
Does the course train inspectors to conduct pollutant-specific inspections? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please describe the pollutant specific training that is offered.
Does the course provide specialized training by media (e.g., air, water, soil), or does it focus on a multimedia inspection? Please explain.
Does the course provide industry-specific inspector training (e.g., mining, chemical production, textile, electronics...)? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please Explain.
Does the course include pre-inspection preparation and planning as a component? <input type="checkbox"/> Yes <input type="checkbox"/> No
Please indicate the on-site inspection activities that inspectors are taught using the list below: <input type="checkbox"/> opening conference, <input type="checkbox"/> records review, <input type="checkbox"/> physical sampling procedures (pollution control, monitoring, sampling technology) <input type="checkbox"/> interviews, <input type="checkbox"/> observations, <input type="checkbox"/> closing conference, <input type="checkbox"/> other (please specify):

