ISWA International Waste Manager

a Professional Certification Programme by

ISWA (International Solid Waste Association)

the Leading International Waste Management Association
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About ISWA and ISWA International Waste Manager

What is ISWA?

ISWA - International Solid Waste Association - is an international, independent, and non-profit making association, working in the public interest to promote and develop sustainable waste management worldwide. ISWA is open to individuals and organisations from the scientific community, public institutions, public and private companies, consultants, and manufacturers, from all over the world working in the field of and interested in waste management. Details of the benefits of ISWA membership together with the fees applicable to the various levels of membership are provided in Appendix 1.

What is ISWA’s Mission?

ISWA’s declared mission is to promote and develop sustainable and professional waste management worldwide. ISWA achieves its mission through:

1. Promoting resource efficiency through sustainable production and consumption
2. Support to developing and emerging economies
3. Advancement of waste management through education and training
4. Promoting appropriate and best available technologies and practices
5. Professionalism through its programme on professional qualification

What is the ISWA International Waste Manager programme?

The ISWA International Waste Manager programme is designed to provide an internationally recognized certification for individual professional waste managers based on their academic achievements and their practical work experience. The certification has three levels of award which are designated as Intermediate, Advanced, and International, depending on how applicants meet the ISWA criteria (see Appendix 2).

The process is very similar to the stages involved in making an application for a new job. To emphasize this similarity, the stages involved can be summarized as follows:

1. Completion of an application form (IWM 001) describing your academic education and practical work experience to ensure you meet ISWA’s basic requirements.
2. Preparation of a detailed personal report on your academic education, training, and practical work experience in which you explain your professional approach to waste management.
3. Participation in an interview either face to face or electronically.
4. A commitment by you to follow ISWA’s Code of Ethics and to undertake a life-long programme to continue developing your skills and knowledge.

To ensure consistency in the qualification of International Waste Managers a key set of attributes has been identified as set out at the end of this brochure in Appendix 2. The criteria have been designed to become more rigorous depending on the level of the award being made ranging from
Intermediate status, through Advanced status, to International status. These attributes are critical in the assessment process and it is essential that candidates draw out in their personal reports and at interview how they have incorporated these values into their careers.

**Why should you want to qualify as an ISWA International Waste Manager?**

You will want to register and qualify because:

1. You want your professionalism in waste management to be recognised.
2. You want to show you have been assessed by independent experts as being a competent and professional waste manager.
3. You want to show that your skills meet ISWA’s exacting standards.
4. You have a combination of academic knowledge related to waste management and practical working experience to apply and develop that knowledge.
5. You are prepared to commit yourself to always working in accordance with ISWA’s Code of Ethics.
6. You will commit to continuously developing your skills and knowledge.
7. You want a certificate from ISWA confirming your status.

**How much will it cost to register?**

As of 2021, ISWA International Waste Manager programme is exclusively available to ISWA Members. The fees* are listed below:

<table>
<thead>
<tr>
<th></th>
<th>ISWA Members</th>
<th>ISWA Members from Developing Economies**</th>
<th>Non-members (before 2021)</th>
<th>Non-Members from Developing Economies** (before 2021)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration fee</td>
<td>50 Euro</td>
<td>50 Euro</td>
<td>50 Euro</td>
<td>50 Euro</td>
</tr>
<tr>
<td>Enrolment fee</td>
<td>150 Euro</td>
<td>100 Euro</td>
<td>250 Euro</td>
<td>100 Euro</td>
</tr>
<tr>
<td>Annual re-registration fee</td>
<td>-</td>
<td>-</td>
<td>80 Euro</td>
<td>50 Euro</td>
</tr>
</tbody>
</table>

*Prices are not including VAT

**Developing Economies (World Bank definition of lower-income, lower-middle-income countries). ISWA members who are registered as Developing Country members also belong in this category.

Please note that the registration fee is non-refundable.

If you are not a member of ISWA but would like to apply for ISWA International Waste Manager programme, you should sign up as a member when filling out the pre-qualification form IWM 001.

For details of the benefits of ISWA Membership and the fees payable, see Appendix 1.
How to Register for ISWA International Waste Manager

STAGE 1 - Completion of the Application Form

What is required?

Each applicant must complete the initial pre-qualification application form IWM 001. You can download the IWM 001 form on our website. The purpose of this stage is to avoid unnecessary or premature work by the applicant. Based on the information on the form, ISWA will assess the applicant for suitability to progress to the next stage of Personal Report and Professional Review. Applicants will be judged suitable to proceed to Personal Report and Professional Review if they can demonstrate at least 12 units of knowledge. These units can be built up from a combination of successful and relevant academic education and practical work experience.

1. Each year of successful and relevant academic education, as approved by ISWA, will count for 2 units up to a maximum of 8 units. At least 2 units must be obtained from academic study and,
2. Each year of relevant work experience will count for 1 unit. At least 4 units must be obtained from practical work experience.

Where an applicant is judged as not having the requisite number of units, ISWA shall advise the applicant how they might be achieved before re-application.

Example:
An applicant with a Master’s degree achieved over 4 years of full-time study at university followed by 6 years of practical work experience would achieve 8 units for academic education and 6 units for practical work experience giving a total of 14 units and would be able to proceed to the next stage. Similarly, an applicant with a 1-year full-time diploma and 10 years of practical work experience would achieve 2 units for academic education and 10 units for practical work experience giving a total of 12 units and would also be able to proceed to the next stage.

What is academic education?

The way in which academic education is considered is below. Although this covers some commonly encountered types of degree or diploma because this is an international qualification there will be many others that are not covered. Guidance should be sought from ISWA on types of qualifications not described in this guidance note.
Doctorates and Master’s Degrees

<table>
<thead>
<tr>
<th></th>
<th>Duration</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Doctorates</td>
<td>3 years</td>
<td>6 units</td>
</tr>
<tr>
<td>Masters full time</td>
<td>1 year</td>
<td>2 units</td>
</tr>
<tr>
<td>Masters part-time</td>
<td>2 years</td>
<td>2 units</td>
</tr>
<tr>
<td>Masters degrees</td>
<td>4 years</td>
<td>8 units</td>
</tr>
<tr>
<td>Post graduate certificates and diplomas</td>
<td>1 year</td>
<td>2 units</td>
</tr>
</tbody>
</table>

Bachelor’s Degrees

<table>
<thead>
<tr>
<th></th>
<th>Duration</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honours degrees (Bachelors) full time</td>
<td>4 years</td>
<td>8 units</td>
</tr>
<tr>
<td>Honours degrees (Bachelors) full time</td>
<td>3 years</td>
<td>6 units</td>
</tr>
<tr>
<td>Honours degrees (Bachelors) part time</td>
<td>4 years</td>
<td>6 units</td>
</tr>
<tr>
<td>Graduate certificates and diplomas</td>
<td>1 year</td>
<td>2 units</td>
</tr>
<tr>
<td>Ordinary degrees (Bachelors)</td>
<td>3 years</td>
<td>6 units</td>
</tr>
<tr>
<td>Sandwich honours degrees full time</td>
<td>4 years</td>
<td>6 units</td>
</tr>
<tr>
<td>Diplomas and certificates full time</td>
<td>1 year</td>
<td>2 units</td>
</tr>
</tbody>
</table>

What is practical work experience?

The second element in the assessment of the professional skills required for registration as an ISWA International Waste Manager is practical work experience. The opportunities for work experience may range from formally accredited and monitored structured training schemes to individually managed training for those applicants whose employment does not offer them access to a formal scheme. Work experience can only be achieved in the context of a real employment role, although this may include options such as those achieved by sandwich placement students or research assistants. Practical experience obtained before a period of full-time education may not receive full credit.

ISWA will review your initial pre-qualification application form (IWM 001) which you submit in STAGE 1 and will decide whether or not you meet the basic requirement of 12 units of knowledge. If you do meet this requirement you will be invited to submit a detailed personal report to ISWA.
STAGE 2 - Preparation of a Detailed Personal Report

The first part of the personal report will be a career report and should demonstrate how the total work experience and career of the applicant to date have led to a level of all-round professional competence. It should be written in English, in the first person, be between 500 and 1500 words and contain:

1. Discussion of previous and present posts in chronological order.
2. Demonstration of how the competencies have been achieved, how the breadth of knowledge has developed, and how the applicant is engaged in sustainable waste management and development.
3. Evidence of academic qualification with details of specific training courses attended.
4. Copies of certificates obtained should have been enclosed at the pre-qualification stage.

The second part of the personal report will be a report on projects or specified activities and should relate to actual work in which the applicant has been personally responsible and can be taken from more than one project or activity.

The second part of the personal report must be:

1. Between 1000 and 2000 words long.
2. Written in English, in the first person.
3. Cross-referenced against the professional qualities described in Appendix 2.

The applicant should submit the detailed personal report preferably within three months from the invitation to do so. An example personal report can be found in Appendix 3.

The personal report will be assessed by a panel established by ISWA in accordance with procedures approved by ISWA and the applicant will be called to a Professional Review Interview (PRI) by the panel either in person or electronically.

STAGE 3 – Professional Review Interview

The Professional Review Interview is the final assessment of an applicant for registration as an ISWA International Waste Manager. The interview should ideally be held in person but may be held using electronic means such as over the Internet or by telephone, if logistics prevent the interview being held in person.

The Professional Review Interview will enable ISWA to assess a wide variety of applicants to determine, if they meet the criteria to register as ISWA International Waste Managers.

The interview will last between 1 and 2 hours. This is a two-way process, where the applicant demonstrates his expertise in accordance with the competencies set out in Appendix A2 and the interviewers seek evidence of his expertise.
The interview will therefore consist of the following:
1. Greeting and introductions.
2. Personal report review.
3. Presentation by applicant on projects, reports, or activities.
4. How the professional qualities described in Appendix A2 have been achieved.
5. Summing up questions.

The panel must reach a unanimous decision on suitability for registration as ISWA International Waste Manager. Failure to agree will result in the applicant being called to a second interview at no additional cost to the applicant. Failure to agree for a second time with different assessors will be constituted as rejection.

**STAGE 4 – ISWA’s Code of Ethics**

*Code of Ethics*

Every successful applicant for ISWA International Waste Manager Status will be asked to sign the code of ethics laid down by ISWA as follows:

“I hereby pledge that as an ISWA International Waste Manager, I will:
1. Take steps to minimise environmental harm;
2. Use my skills and experience in waste management to serve the needs of the environment and society;
3. Serve as an example to others for responsible environmental behaviour;
4. Not engage in conduct involving dishonesty, fraud, deceit or misrepresentation or discrimination; and
5. Commit to maintaining my personal professional competence and strive to maintain the integrity and competence of my profession.”

**STAGE 5 - Award of Title “ISWA International Waste Manager”**

ISWA will advise an applicant in writing of the outcome of the Professional Review within 2 weeks of the interview. Such notification will be in a standard format prescribed by ISWA and will indicate the level of the award that has been achieved.

A successful applicant shall be asked for the enrolment fee and shall sign ISWA’s Code of Ethics. The name and details of the applicant shall be registered by ISWA on the Register of ISWA International Waste Managers.
ISWA will notify the applicant of successful entry onto the Register and will award a certificate of registration.

Unsuccessful applicants will be advised and given feedback and guidance based on the information provided by the interview panel and may submit a further Personal Report at a later date. An unsuccessful applicant may appeal against the decision of the panel through procedures defined by ISWA.

Successful applicants will on payment of the appropriate initial fees and subsequent annual re-registration fees, be entitled to use the title “ISWA International Waste Manager.” However, please note that ISWA International Waste Manager certified members are not permitted to use the ISWA logo on their business cards, their services and/or products.

Failure to pay subsequent annual re-registration fees will result in the removal of the applicant’s name from the Register.
Appendix 1- ISWA Membership

ISWA – International Solid Waste Association - is an international, independent, and non-profit making association, working in the public interest to promote and develop sustainable waste management worldwide. ISWA has members all around the world and is the only worldwide association promoting sustainable and professional waste management.

The association is comprised of the following membership categories:

1. National
   A National Member must be a non-governmental organisation (association, institute, federation or similar), or multiple organisations acting together, representing one or more countries and acting for the areas of interest concerned with ISWA matters.

2. Organisation
   An Organisation Member is any public or private company or organisation which is working in, or associated with, the field of solid waste management.

3. Individual
   An Individual Member is a person who is working in, or associated with, the field of solid waste management.

4. Student
   A Student Member is an individual enrolled full-time at a college or university.

5. Online
   An Online Member is a member who has signed up to receive the online membership benefits.

The ISWA annual membership-fees for 2021 are listed below:

<table>
<thead>
<tr>
<th>Membership</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Platinum (organisation membership)</td>
<td>5000 Euro</td>
</tr>
<tr>
<td>Gold (organisation membership)</td>
<td>2500 Euro</td>
</tr>
<tr>
<td>Silver (organisation membership)</td>
<td></td>
</tr>
<tr>
<td>• Regular</td>
<td>1500 Euro</td>
</tr>
<tr>
<td>• Developing Economies*</td>
<td>750 Euro</td>
</tr>
<tr>
<td>Individual (personal membership)</td>
<td></td>
</tr>
<tr>
<td>• Regular</td>
<td>200 Euro</td>
</tr>
<tr>
<td>• Developing Economies**</td>
<td>100 Euro</td>
</tr>
<tr>
<td>• Student</td>
<td>50 Euro</td>
</tr>
<tr>
<td>• Online</td>
<td>60 Euro</td>
</tr>
</tbody>
</table>

*Developing Economies (World Bank definition from Low and Lower Middle-Income Economies)

**Developing Economies (World Bank definition from Low, Lower Middle and Upper Middle-Income Economies)

To read more about the memberships, please visit our website www.iswa.org.
Appendix 2 - Criteria for Assessment of International Waste Manager

In order to ensure consistency in the qualification of International Waste Managers, a key set of attributes has been identified as set out below. The criteria have been designed to become more rigorous depending on the level of the award being made ranging from Intermediate status, through Advanced status, to International status. These attributes are absolutely critical in the assessment process and it is essential that candidates draw out in their portfolios and at interview how they have incorporated these values into their careers. The criteria for the three levels are set below and the differences between the different levels are highlighted by underlining:

<table>
<thead>
<tr>
<th>For ISWA International Waste Manager – Intermediate status</th>
<th>For ISWA International Waste Manager – Advanced status</th>
<th>For ISWA International Waste Manager – International status</th>
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<tbody>
<tr>
<td><strong>Section 1</strong> – the applicant must be able to demonstrate the following knowledge and understanding attributes:</td>
<td></td>
<td></td>
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<tr>
<td>1. Have a knowledge and understanding of the basic principles for sustainable waste management.</td>
<td></td>
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<tr>
<td>2. Have a knowledge and understanding of basic management and administrative procedures.</td>
<td></td>
<td></td>
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<tr>
<td>3. Understand basic legislation and regulations relevant to country where operating.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. (not applicable)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Have a knowledge and understanding of sustainable waste management principles.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Have a knowledge and understanding of general management and administrative procedures.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Understand legislation and regulations relevant to country and region where operating.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. (not applicable)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Have a good knowledge and understanding of sustainable waste management principles.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Have a good knowledge and understanding of general management and administrative procedures.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Have a thorough understanding of legislation and regulations relevant to country and region where operating.</td>
<td></td>
<td></td>
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<tr>
<td>4. Be able to identify and explain short-, medium- and longer-term environmental threats and opportunities related to sustainable waste management.</td>
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</table>

| **Section 2** - The Applicant must be able to demonstrate the following competences: |
|----------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|
| 5. Demonstrate skill and competence in basic management and administration and be a good organizer of labour. |
| 6. Demonstrate their ability to communicate waste management issues to local officials, and the general public. |
| 5. Demonstrate skill and competence in general management and administration. |
| 6. Demonstrate their ability to communicate waste management issues to local officials, and the general public. |
| 5. Demonstrate good skills and competence in general management and administration. |
| 6. Demonstrate their ability to develop and communicate waste management issues to a wide range of audiences. |
7. Demonstrate a willingness and persistence in addressing abnormal waste management issues in the local area.
8. Possess basic leadership and motivational skills to ensure that good waste management practice is effectively communicated and integrated into decisions and actions.
9. Have a basic understanding of the role of stakeholders.
10. Develop effective means with which to liaise with and advise others.

Section 3 - The Applicant must be able to demonstrate their engagement by:

<p>| | | |</p>
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<tr>
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<tbody>
<tr>
<td>7.</td>
<td>Demonstrate a willingness and persistence in addressing abnormal waste management issues.</td>
<td>7.</td>
</tr>
<tr>
<td>8.</td>
<td>Possess leadership and motivational skills to ensure that good waste management practice is effectively communicated and integrated into decisions and actions.</td>
<td>8.</td>
</tr>
<tr>
<td>9.</td>
<td>Have a sound understanding of the role of stakeholders and how to engage with them.</td>
<td>9.</td>
</tr>
<tr>
<td>10.</td>
<td>Develop effective means with which to liaise with and advise others.</td>
<td>10.</td>
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Section 3 - The Applicant must be able to demonstrate their engagement by:

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<tbody>
<tr>
<td>11.</td>
<td>Being able to identify the local and regional threats to the environment from waste management activities.</td>
<td>11.</td>
</tr>
<tr>
<td>12.</td>
<td>Recognising opportunities for public health and environmental improvement.</td>
<td>12.</td>
</tr>
<tr>
<td>13.</td>
<td>(not applicable)</td>
<td>13.</td>
</tr>
<tr>
<td>14.</td>
<td>(not applicable)</td>
<td>14.</td>
</tr>
<tr>
<td>15.</td>
<td>Showing that they approach work in a competent manner.</td>
<td>15.</td>
</tr>
<tr>
<td>16.</td>
<td>(not applicable)</td>
<td>16.</td>
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</tbody>
</table>
Appendix 3 – ISWA International Waste Manager, example of a Personal Report

(Please note that this example report is not intended to be a perfect example. It is intended to be a realistic example of a report by a candidate who might be applying for ISWA International Waste Manager. ISWA therefore neither agrees nor disagrees with the statements or opinions made in this report. All names and locations are fictitious. The instructions for the personal report state that it should be cross referenced against the professional qualities described in Appendix 2. In this case those sentences in italics are taken directly from these criteria and have been woven into the text of the report.)

PERSONAL REPORT FOR ALAN HUTCHINGS

PART 1.1 - Details of my previous and present posts in chronological order

September 1982 – November 1987 - Recycling Assistant for Amber Council
As Recycling Assistant I was member of a team working to develop a recycling programme for the town council. My duties included researching different systems of collecting recyclables by using the internet and visiting other councils. When the system was implemented I was involved in visiting residents and explaining what they needed to recycle. I was also involved in visiting schools and explaining about recycling to children.

November 1987 – May 1996 - Operations Manager for Amber Council
In November 1987 I was promoted to the post of Operations Manager. Here I was responsible for the vehicle fleet comprising six standard RVCs and two side-loaders used for collecting kerbside recyclables. I was also responsible for the management of the 35 refuse collection operatives.

I moved to the private sector in May 1996 and became Landfill Manager looking after 3 major landfills in the region. I was responsible for ensuring compliance with the permits and for planning and implementing the landfilling operations including the preparation of new areas and the restoration of filled areas.

January 2002 – Present - Senior Technical Manager for Wasteless Ltd.
I now hold the position of Technical Manager covering all the companies operations including the landfills, transfer stations and a waste treatment plant. In this role I have 17 engineers and scientists reporting to me involved with all the technical aspects of our operations. I am also involved with obtaining permits for proposed new facilities.

PART 1.2 - Demonstration of how I meet the criteria set down for ISWA International Waste Manager through my academic and practical experience

I believe that I have proved my competence in accordance with the criteria laid down by ISWA and I demonstrate this as follows:
My knowledge of sustainable waste management principles has developed throughout my career. As a recycling assistant I understood the need to conserve resources and the way in which the cost of these activities must be balanced against the benefits. Now as technical manager for a landfill company I realize how landfill needs to be carried out in such a manner as to protect the environment in which it is set and how landfill gas can be gathered and used as a renewable energy source.

My experience as an operations manager, landfill manager, and now technical manager, has given me a sound knowledge and understanding of general management and administrative procedures. I have held responsibility for managing operatives carrying out refuse collection and operations on a landfill site. In my present role I am responsible for the management of scientists and engineers. The fact that I have been promoted within my posts shows that my management skills have been appreciated and as evidence I attach a copy of my latest appraisal by my current manager. I believe this experience shows I possess skill and competence in general management and administration.

I moved to Wasteless Ltd. because I saw a company that believed in high standards and doing things well. They believed, as I do, that working to a high standard can save costs in the longer term because remedial actions will not be necessary. This experience has helped me to see beyond strict legislative compliance and to have a broad understanding of environmental principles and environmental effects. As Senior Technical Manager I have demonstrated that I possess leadership and motivational skills to ensure that good waste management practice is effectively communicated and integrated into decisions and actions.

An important part of my present role is to oversee a comprehensive monitoring programme for all the company’s landfills. This enables me to identify and analyse short, medium and longer term environmental threats. Each year, all the monitoring results and inspection reports are drawn together in the form of an overall report from which we can check whether any environmental risks or damage are developing.

Part of my current role is the preparation of permit applications. Before making an application it is my task to carry out consultation with people who live near the proposed site by holding public meetings and by more personal contact such as providing an exhibition of our proposals where we can speak to local residents on a one to one basis. I believe this shows that I have an ability to develop and communicate waste management issues and to identify, engage with and respond to stakeholders.

PART 1.3 - Evidence of my academic qualifications

I have attached certificates providing evidence of my academic qualifications as follows:

- September 1979 -July 1982 -BSc in Environmental Studies from Ballarcay University
- September 1989 –June 1990 (Part-time) -Diploma in Environmental Monitoring from Hagau Technical University
PART 1.4 - Details of training courses I have attended

- October 1983 - An Introduction to the Management of Wastes (3 days)
- January 1985 - Management of Refuse Collection and Kerbside Recycling (2 days)
- May 1985 - Introduction to Waste Legislation (1 day)
- February 1999 - Practical Management and Control of Landfill Gas (1 day)
- March 2001 - Practical Aspects of Landfill Gas and Groundwater Monitoring (1 day)

PART 2.1 – Report on projects and other activities with which I have been involved

This report is based on the securing of permission for a major landfill site in the Dudas region during my time as Technical Manager of Wasteless Ltd. The site is a large clay pit with a potential capacity of three million cubic metres. In this report I will describe those aspects of the design and operation that were under my direct control.

Planning

One of the key requirements for obtaining a planning permit is to justify the need for the landfill. Sometimes this is achieved by examining the official planning strategy for the region but in this case no such strategy existed. I therefore set about constructing my own strategy and visited and interviewed all the waste planners in the different authorities in the region. From this work I was able to calculate how much existing landfill space had been permitted and how much was likely to be permitted over the following years. I was also able to determine how much waste was produced each year requiring to be landfilled and by a simple calculation was able to demonstrate that the region only had about 4 years of capacity left. I considered this justified the need for the site and this did prove to be an important argument when our application was reviewed.

My company had considerable experience in working with the communities around its existing landfills and tried to minimize the effects of its operations local people. In the case of this new site we tried to engage with the community in a positive way by holding an exhibition of our proposals at an early stage in a local school in order to explain our proposals. During this exhibition and a subsequent meeting some points arose that we had not been aware of and we were able to make changes to our design to try and mitigate the impact of the proposed landfill on our neighbours. Whilst these efforts were appreciated by the local council, they still felt they should oppose our proposals and we ended up having to attend a public inquiry where all arguments were considered by an independent inspector appointed by the government.

Technical Issues

An important aspect of the inquiry was the technical case. The site was situated near to a river that provided drinking water further downstream and it was crucial to protect this river from pollution. I commissioned a full geotechnical survey of the site to ensure that the clay was continuous and without geological faults in the area. We took permeability measurements and found that even
without a membrane liner any movement of pollutants from the site would be incredibly slow. Because the base of the site was somewhat lower than the river there would only be a risk if leachate levels were allowed to rise beyond a particular point. Working with the local office of the Environment Protection Agency we were able to establish a protocol that would ensure that this could not occur.

### Operational Issues

Whilst the local communities were reassured to a certain extent by our design they were aware that the poor management of landfills often lets down the quality of the engineering design and preparatory works. My company has always taken a pride in the quality of its operations and has laid down clear procedures for every aspect of its work. These procedures have recently been incorporated into an application for ISO14000 accreditation and the company is currently undergoing independent audit by assessors. I was able to arrange for representatives of the community to visit some of our other operations to see for themselves the standards to which we aim to work. I cannot say they were completely convinced but at least we could debate the issues in a rational way with understanding on both sides.

### Result of the Inquiry

Nine months after the closure of the inquiry we were informed that the inspector had recommended approval of our proposals with certain modifications that we were able to accept to meet some of the demands of the local communities. These included the construction of some additional screening embankments, restrictions on certain traffic routes, and some amendments to our detailed monitoring scheme. Construction of the site has now commenced.

### PART 2.2 – Demonstration of how I meet the criteria set down for ISWA International Waste Manager through my project report.

I believe this project demonstrates how I meet some of the criteria identified for an ISWA International Waste Manager as follows:

- The closeness of the river and the engineering solution devised show I have a willingness and persistence in addressing abnormal waste management issues.
- The measures taken following public consultation and following the inspector’s report show that I can identify solutions to environmental improvement and mitigation, and that I can put environmental issues into their working context.
- I believe my whole approach to this project demonstrates that I recognise the interdisciplinary nature of waste management issues, that I approach work in a competent manner and that I can identify measures to ensure that individuals and organisations are accountable and understand their responsibilities for both environmental damage and improvement.