Investigations for Landfill Sites in Areas I, II, and VI in the City of Brampton

Social Impact Assessment

Appendices

THE REGIONAL MUNICIPALITY OF PEEL

Armour and Associates
Institute of Environmental Research (1985) Inc.

March 1987

BRAMPTON LANDFILL SEARCH

MARCH 1987 SUBMISSION

In 1986, Council gave direction to compare and evaluate Areas I, II and VI in the City of Brampton in accordance with identified criteria. The results and recommendations of the detailed analysis conducted between June 1986 and February 1987 are described in the following documents:

1. Brampton Landfill Search: Overview and Recommendations
2. Overall Evaluation Report
3. Overall Evaluation Report Appendix A - Detailed Sub-Area Comparison
4. Hydrogeological Report
5. Well Inventory in Area II
6. Well Inventory in Area VI
7. Health and Safety Report
8. Land Use Planning Impact Assessment
9. Traffic Impact Assessment
10. **Social Impact Assessment**
11. Economic Impact Assessment
12. Ecological Impact Assessment
13. Visual Impact Assessment
14. Archaeological and Historic Sites Report

In addition, two reports were released in 1985 and 1986 which form part of the overall package of background reports:

15. Well Inventory in North West Brampton (Area I) (1985)
16. Investigations for Landfill Sites in the City of Brampton (1986)

All of these reports, with the Stage 3 Master Plan, are intended to form the basis of an application for Environmental Assessment approval. However. the position may be amended as a result of input from the public or interested parties/agencies. Any final submission must be approved by Peel Regional Council.

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Appendix 1

Study Design Activities

This appendix details the timing of specific activities undertaken during the conduct of this social impact assessment. This study was undertaken in 2 stages. Stage 1 involved the design of the study; Stage 2 involved the implementation of the study design and report preparation.

STUDY DESIGN ACTIVITIES

In developing the study approach, the following activities were undertaken:

STAGE 1, PHASE 1 — Development of Study Design

Date	Activity
June 4 to July 2	• Review of reports and data collected by MacLaren Plansearch
June 4 to July 2	• Review of public submissions and briefs
June 8, June 18, June 19	• Field reconnaisance of siting options in Areas 1, 2 and 6
June 10, June 19, July 2	• Meetings with regional staff to discuss terms of reference and integration of SIA with other studies
June 17	• Meeting with Regional Chief Administrative Officer
June 18	• Meeting with Area 1 Community Liaison Group
June 19	• Meeting with Area 6 Community Liaison Group
June 24	• Meeting with Area 2 Community Liaison Group • Meeting with Councillor Robertson
June 25	• Meeting with Mayor Whillans

IMPLEMENTATION OF STUDY DESIGN AND REPORT PREPARATION ACTIVITIES

STAGE 2, PHASE 1 — Data Collection

Date	Activity
August 11- September 25	• Resident interviews conducted
September 13- September 21	• Access road and Water Use Survey dropped off and picked-up
August 27	• Meeting with Ronto Development Corporation
September 9	• Review of Region of Peel Submissions re: OMB referrals concerning urban development plans/proposals in Area 6
September 15	• Meeting with Peel Federation of Agriculture
September 25	• Review of MOE files for Brockwest and Keele Valley landfills
October 1 and 10	• Meetings with Key Informants for Snelgrove and Huttonville
October 6	• Meeting with Key Informants for Hamlet of Tullamore and Professor's Lake
October 20	• Review of Region of Peel files for Chinguacousy, Britannia and Professfor's Lake landfills
October 23	• Phone interview with Mr. B. Kirshner Epidemiologist, Health Planning and Policy Division, Region of Peel Health Department
October 24	• Review of MOE files for Chinguacousy, Britannia and Professor's Lake landfills
October 28	• Review of Region of Peel files regarding environmental approvals for Britannia landfill
October 28	• Meeting with Mr. C. Clark, Director Environmental Health Unit, Region of Peel Health Department
November 8	• Focus Group Workshop regarding equity and compensation

STAGE 1, PHASE 2 — Ratification of Study Design

Date	Activity
July 2	• Draft Interview Instrument submitted to Regional Consultants Committee for review
July 3	• Resident - conducted tour of Area 2
July 4	• Resident - conducted tour of Area 6
July 8	• Study design report and draft Interview Instrument distributed to Council
July 9	• Study design report and draft Interview Instrument sent by courier to Community Liaison Groups
July 14	• Meeting with Community Liaison Group in Area 6 to discuss study design and interview instrument • Meeting with Community Liaison Group in Area 2 to discuss study design and interview instrument
August 1	• Final comments on study design and interview instrument received from CLG's in Areas 2 and 6
August 8	• Study design and interview instrument finalized.

STAGE 2, PHASE 2 — Data Analysis and Report Preparation

Date	Activities
October 17-November 16	o Data analysis
October 17-November 30	o Draft report preparation
November 12	o Verbal presentation of survey results relating to compensation and mitigation and focus groups workshop results to Technical Committee, Region of Peel
December 1	o Verbal presentation of findings to Area VI Community Liaison Committee
December 9	o Verbal presentation of findings to Area II Community Liaison Committee
December 9	o Verbal presentation of findings to Area I Community Liason Committee. Note: Area I Liaison Committee preferred to wait until the report was completed before commenting on factor and indicator ranking
December 9	o Community Liaison Committee given copy of survey results
December 15	o Submission of Part 1 and 2 of Draft Report
December 22-January 26	o Revisions to Report
January 19	o Submission of Appendix 8, Public Health and Safety, to Maclaren Plansearch; Submission of Appendix 5 Tables 1-10 (Farm Operations Survey Results) to Planning Department, Regional Municipality of Peel
January 30	o Submission of final Report and Appendices

Appendix 2

Factors and Indicators

FACTORS FOR SITE ASSESSMENT

LEVEL OF ANALYSIS: Impacts on Residents

FACTOR: Displacement

DEFINITION OF FACTOR:

The development of a landfill would result in the displacement of residents who live on-site. This factor is concerned with the potential hardships that may be experienced by displaced residents.

RATIONALE/SIGNIFICANCE:

Residents who are displaced may lose friendships and community ties; they may experience stress and anxiety at disruption of their way of life, effects which may result in illness; or they could experience difficulties in relocating and getting their family settled again. The significance of such hardships can be expected to vary from individual to individual depending on such variables as age, type of tenure, length of residence, and attachment to place.

USE/INTERPRETATION:

This factor will be used as a basis for profiling each candidate areas and siting option, for assessment of candidate areas and siting options and for the identification of impact management measures.

The degree of hardship that will be experienced by displaced residents cannot be predicted. It will be influenced by how far residents move (ie., whether they are able to find alternate accomodation in the community or within a reasonable distance of their relatives and friends), the adequacy of compensation, the timing of the relocation process (length of time residents are given to find new housing and to move), and the timing of the compensation.

INDICATORS:

1. Number of residents displaced.

Specific data to be collected include: the total number of people residing on-site who would be required to relocate.

2. Characteristics of those displaced.

Specific data to be collected include: age, type of tenure, whether the resident is a full-time farmer.

3. Attachment to place of those displaced.

Specific data to be collected include: length of residence, ancestral ties to property, family and friendship ties in the community, and future plans/expectations.

CONSTRAINTS/LIMITATIONS:

The completeness of the data for each of the siting options will vary depending on the response rates from the resident interviews. A low response rate many require assumptions to be made if the number of residents on-site is also low (e.g., only 4 households on site, only one respondent).

DATA SOURCES:

1. Residents' Survey

2. Region of Peel, Land-Use Data

3. Supporting Literature

- Colony, David C. 1972. "Study of the Impact on Householdsof Relocation from a Highway Right-of-Way". Highway Research Record, 399:12-26

- Finsterbusch, Kurt. 1976. A Methodology for Social Impact Assessment of Highway Locations. Interim Report. Department of Sociology, University of Maryland. College Park, Maryland.

- Finsterbush, Kurt. 1980. Understanding Social Impacts. Beverly Hills, CA. Sage Publications.

- Fried, M. " Grieving for a Lost Home" in L.J. Duhl (ed.). The Urban Condition. New York, NY: Basic Books.

- Heller, Tamar. 1982. "The Effects of Involuntary Residential Relocation: A Review". American Journal of Community Psychology. 10:471-492.

- Napier, Ted L. 1977. An Analysis of the Social Impact of Water Resources Development and Subsequent Forced Relocation of Population Upon Rural Community Groups: An Attitudinal Study. Columbus, OH: The State University, Department of Agriculture Economics and Rural Sociology.

- Napier, Ted L. and Moody, Cathy Wright. 1977. " The Social Impact of Forced Relocation of Rural Populations Due to Planned Environmental Modification" in Western Sociological Review. 8: 91-104.

FACTORS FOR SITE ASSESSMENT

LEVEL OF ANALYSIS:	FACTOR:
Impacts on Residents	Disruption of Day-to-Day Activities and/or Use and Enjoyment of Property.

DEFINITION OF FACTOR:

This factor refers to the possible disruptions residents living in the vicinity of the site and along the access routes may experience in their daily activities and/or use and enjoyment of their properties due to nuisance effects (e.g., dust, litter, odour, noise and seagulls), reduced accessibility as well as visual intrusion of the facility.

RATIONALE/SIGNIFICANCE:

Residents living in the vicinity of the site or along access routes may find that their daily activities and the use and enjoyment of their properties are affected by the construction and operation of the landfill.

USE/INTERPRETATION:

This factor will be used as a basis for profiling each candidate area and siting option for assessment of siting options and as input to the identification of impact management measures.

The potential for disruption depends on the characteristics of the residents (e.g., length of time at the home during the hours of site operation), their proximity and the extent to which the facility operation will or will be perceived to interfere with daily activities and use and enjoyment of property. "Interference" will be assessed in terms of potential nuisance effects (noise, dust, odour, litter, seagulls), visual intrusion, possible water pollution, and in terms of the perceived compatibility of the facility with the residents' activities and use of property (based on expert judgment as well as on the subjective judgment of residents).

INDICATORS:

1. Number and characteristics (age, length of time on property during facility operating hours) of residents within 500 and 1000m of a siting option.

Specific data to be collected included: number of residents, age of residents, number of residents spending proportionately more time on their property, projected nuisance effects of the facility.

2. Number and kinds of activities or uses of property likely to be affected by the operation of the facility for households within 500 and 1000m of a siting option.

3. Resident perception of the compatibility of the facility with their daily activities and use and enjoyment of property.

Specific data to be collected include: activities or uses perceived as likely to be affected; nature of the perceived disruption.

Note: The assessment of this factor will also take into account the results of the land use impact study (regarding the compatibility of the landfill with existing land uses in the area) and the economic impact study (regarding property devaluation).

CONSTRAINTS/LIMITATIONS:

The main source of information for this factor will be household interviews. Due to time constraints, field checks of responses given to the questionnaire survey regarding uses of property will be limited.

DATA SOURCES:

1. Residents' Survey

2. Access Route Survey

3. Regional Municipality of Peel, Land-use Data

4. Cam Watson and Associates, Economic Impact Study

5. Supporting Literature

- Buglairello, George et al. 1976. The Impact of Noise Pollution: A Socio-Technological Introduction. Toronto: Pergammon Press.

- Christensen, Kathleen. 1976. Social Impacts of Land Development: An Initial Approach for Estimating Impacts on Neighbourhood Usages and Perceptions. Washington, DC: The Urban Institute.

- Coughlin, R.E. et al. 1973. Perceptions of Landfill Operations by Nearby Residents. Philadelphia: Regional Science Research Institute, Discussion Paper No.: 65.

- Finsterbusch, Kurt. 1976. A Methodology for Social Impact Assessments of Highway Locations. Interim Report. College Park, Maryland: Department of Sociology, University of Maryland.

- Finsterbush, Kurt. 1980. Understanding Social Impacts. Beverly Hills, CA: Sage Publications.

- Lang, Reg and Armour, Audrey. 1981. The Assessment and Review of Social Impacts. Ottawa: Federal Environmental Assessment Review Office.

- Nelson, K.E. and Wosto, T.D. 1973. Transportation Noise: Impacts and Analysis Techniques. Argonne, IL: Argonne National Laboratory.

- Sundstrom, E.D. et al. 1977. "Community Attitudes Towards a Proposed Nuclear Power Generating Facility as a Function of Expected Outcomes". Journal of Community Psychology. 5: 199-208.

- Thiessen, C. 1970. "Effects of Noise During Sleep" in Psychological Effects of Noise. New York: Plenum Press.

FACTORS FOR SITE ASSESSMENT

LEVEL OF ANALYSIS: Impacts on Residents

FACTOR: Satisfaction with Place

DEFINITION OF FACTOR:

This factor refers to the potential for residents of the host community to experience a change in their level of satisfaction with their community.

RATIONALE/SIGNIFICANCE:

The siting of a landfill in or near a community may cause some residents to feel less satisfied with their community as a place to live. As a result residents may choose to withdraw from community activities or from the community itself, which can lead to psychosocial impacts (e.g., individual stress/depression, loss of friendship ties, loss of overall life satisfaction, increased family problems, etc.) as well as broader social impacts (e.g., loss of community cohesion and stability).

USE/INTERPRETATION:

This factor will be used as a basis for profiling each of the candidate areas and as input to the identification of impact mitigation and compensation measures.

The emphasis in data collection will be put on the expressions of residents within the primary impact zone regarding their current and potential satisfaction with place. Expert judgment will be applied in determining the significance of potential disruption of day-to-day activities (factor 2) and its implications for resident satisfaction with place.

INDICATORS:

1. Perceived change in community attributes which contribute to residents' satisfaction with their community as a place to live.

Specific data to be collected include: what residents like about living in their community; residents' perceptions of how the landfill will affect them and their community, residents' intentions to move should their area be selected as the preferred site.

2. Degree of disruption of day-to-day activities.

Specific data to be collected include: (see factor 2).

3. Extent of neighbouring.

Specific data to be collected include: how often residents visit with neighbours, help neighbours, or receive help from neighbours.

4. Involvement in community activities and associations.

Specific data to be collected include: resident membership in community-based groups and associations.

5. Perceived importance of mitigation and compensation measures.

Specific data to be collected include: residents' perceptions of the types and importance of mitigation and compensation measures that should be taken in response to be landfill.

CONSTRAINTS/LIMITATIONS:

Research in this area is limited; most research efforts are directed more toward establishing satisfaction with services and facilities and less toward satisfaction with the community as a place to live.

DATA SOURCES:

1. Residents' Survey.

2. Key Informant Interviews.

3. Supporting Literature.

- Christensen, Kathleen. 1976. Social Impacts of Land Development: An Initial Approach for Estimating Impacts on Neighbourhood Usages and Perceptions. Washington, DC: The Urban Institute.

- Coughlin, R.E. et al. 1973. Perceptions of Landfill Operations by Nearby Residents. Phildelphia: Regional Science Research Institute, Discussion Paper No. 65.

- Dear, M.J. and Taylor, S.M. 1982. Not On My Street London, England: Pion Limited.

- Finsterbush, Kurt. 1980. Understanding Social Impacts Beverly Hills, CA: Sage Publications.

FACTORS FOR SITE ASSESSMENT

LEVEL OF ANALYSIS: Impacts on Residents

FACTOR: Public Health and Safety

DEFINITION OF FACTOR:

This factor refers to the potential health and safety problems which may be associated with the landfill.

RATIONALE/SIGNIFICANCE:

Landfill may lead to health and safety problem for residents due to water contamination, increased numbers of seagulls and other vectors of disease, increased dust, and traffic congestion and interference.

USE/INTERPRETATION:

A thorough assessment of this factor could require such studies as epidemiological, toxicological and risk assessment studies, all of which are beyond the scope of a social impact assessment. At best a social impact study can provide only an indication of the potential social significance of such problems should they occur. This factor is to be used as input to a Public Health and Safety analysis being undertaken by MacLaren Plansearch as part of its overall Environmental Assessment.

INDICATORS:

1. Resident's perceptions of the potential effects of the landfill on unserviced property.

Specific data to be collected include: existing water sources for household and agricultural purposes, water-related concerns of those residents with unserviced properties.

2. Number and proximity of potentially vulnerable residents.

Specific data to be collected include: age and number of residents within the primary impact zone, who are concerned that their health condition may be adversely affected by landfill operations; their proximity to the siting options.

3. School bus routes.

Specific data to be collected include: bus routes for both those schools within the community boundary and those outside whose buses travel on any of the landfill's access routes within the community boundaries.

4. Use of access route roadways by residents and farmers.

Specific data to be collected include: resident uses (e.g., jogging, bike riding) which may conflict with landfill truck traffic; farm uses (e.g., moving farm equipment) of access route roadways that may conflict with landfill truck traffic.

CONSTRAINTS/LIMITATIONS:

Due to time constraints, responses given to the questionnaire survey regarding uses made of roadway by residents and farmers cannot be field checked.

DATA SOURCES:

1. Residents' Survey

2. Access Route Survey

3. Water-Use Survey

4. Peel School Boards: bus routes

5. Interviews with Regional Environmental Health Unit

6. Review of Government files of existing landfill facilities.

7. Supporting literature.

- Waste Management of Canada, Inc. 1980. Keele Valley Landfill Design Report, Volume III: Environmental Baseline Study Design. Toronto: WMI Inc.

- Wilson, D.C. 1977. Handbook of Solid Waste Management. Toronto: Van Nostrand Reinhold Co.

FACTORS FOR SITE ASSESSMENT

LEVEL OF ANALYSIS: Impact on Local Services and Facilities

FACTOR: Displacement of Operations

DEFINITION OF FACTOR:

This factor refers to the potential displacement of existing and proposed community services and facilities as a result of the landfill siting.

RATIONALE/SIGNIFICANCE:

There are services and facilities on-site which would be displaced as a result of the landfill siting. There are also some facilities, existing and proposed, which maybe displaced as a result of owner/operator decisions not to continue with the activity or proposed plans. The displacement of such features may cause hardship to clients and reduce social cohesion by causing changes in the commitment of residents to the community and in patterns of resident interaction.

USE/INTERPRETATION:

This factor will be used as a basis for profiling candidate areas and study options, and assessment of siting options.

The total number of services/facilities which would be required to relocate due to landfill development will provide a directly comparable measure of impact. The characteristics of individual features will assist in assessing their significance. the availability of alternate services/facilities will provide additional information that could be useful in determining the level of impact.

INDICATORS:

1. Number and Characteristics of existing and proposed community services and facilities.

Specific data to be collected include: number of features displaced; type of feature; number and characteristics of users; and role in community.

2. Availability of alternate services/facilities.

Specific data to be collected include: identification and location of alternate services/facilities to those potentially displaced.

3. Perceived impact of landfill on services/facilities.

Specific data to be collected include: owners'/operators' perceptions of how the landfill would impact their service/facility.

CONSTRAINTS/LIMITATIONS

In a few instances owners/operators did not provide complete data regarding their service/facility or refused comment.

DATA SOURCE:

1. Agency Contacts

2. Residents' Survey

3. Field Survey

4. Key Informants

5. Supporting Literature

- Bowles, Roy T. 1981. Social Impact Assessment in Small Communities. Toronto: Butterworth.

FACTORS FOR SITE ASSESSMENT

LEVEL OF ANALYSIS: Impacts on Local Services and Facilities

FACTOR: Disruption of Operations

DEFINITION OF FACTOR:

This factor refers to the potential disruption of existing and proposed community services and facilities as a result of the landfill siting.

RATIONALE/SIGNIFICANCE:

The operations of certain community services and facilities may be negatively affected by changes in noise levels, dust, odour, truck traffic or other such environmental changes caused by the landfill operation.

This may result in a loss of operational effectiveness of the service or facility which in turn could lead to loss of demand for the service. The proximity of the feature to the site or access routes may also be seen to detract from the attractiveness or image of the service or facility which in turn could also result in a loss of demand.

USE/INTERPRETATION:

This factor will be used as a basis for profiling each candidate area and siting option, for assessment of siting options and as impact to the identification of impact management measures.

The total number of features which may experience disruption will provide a directly comparable measure of impact. The characteristics of individual features will assist in assessing their sensitivity to disruption.

INDICATORS:

1. Number and characteristics of existing and proposed community services and facilities.

Specific data to be collected include: number of features potentially disrupted; their characteristics (clients, service area, role in the community, operating hours, proximity to the landfill or access routes).

2. Perceived impact of landfill on services/facilities.

Specific data to be collected include: owners'/operators' concerns regarding the impact of the landfill on their service/facility.

CONSTRAINTS/LIMITATIONS:

In a few instances owners/operators did not provide complete data regarding their service/facility or refused comment.

DATA SOURCES:

1. Agency Contacts.

2. Residents' Survey

3. Field Survey.

4. Key Informants.

5. Supporting Literature.

- Bowles, Roy T. 1981. Social Impact Assessment in Small Communities. Toronto: Butterworth.

FACTORS FOR SITE ASSESSMENT

LEVEL OF ANALYSIS: Impacts on Community

FACTOR: Loss of Community Character

DEFINITION OF FACTOR:

"Community Character" refers to the distinctive qualities of a community which can be physical in nature (land uses, geographic and environmental features), socio-cultural (way of life, shared values and perspectives), and economic (type of business activities). The unique character or image of a community is a function of the mix of these qualities and as such there is no single, universally accepted definition of community character for all areas.

RATIONALE/SIGNIFICANCE:

The introduction of a landfill into a community can have a negative effect on its character as a result of impacts on the community's environment and its aesthetics (e.g., noise, dust, litter) or the landfill's incompatibility with surrounding land uses.

USE/INTERPRETATION:

This factor will be used as a basis for profiling candidate areas and for assessment of siting options and as input to the identification of impact management measures.

INDICATORS:

1. Number and type of unique/distinctive community features.

Specific data to be collected include: environmental and cultural landmarks, historic features within the primary impact zone.

2. Compatability of the facility with land use (present and future).

Specific data to be collected included: general patterns of land uses in the candidate areas.

Note: The assessment of this factor will be coordinated with the land use impact study.

DATA SOURCES:

1. Liaison groups guided tours of the areas
2. Key informants
3. Residents' survey
4. Region of Peel, Land-use Study

FACTORS FOR SITE ASSESSMENT

LEVEL OF ANALYSIS:	FACTOR:
Impacts on Community	Loss of Cohesion

DEFINITION OF FACTOR:

Community cohesion refers to the level of interaction and degree of interdependence of individuals, groups and institutions as evidenced by the number of friends and relatives in the area, the extent of use of local services and facilities, participation in community activities, and neighbouring.

RATIONALE/SIGNIFICANCE:

To varying degrees, cohesiveness in a community helps individual residents to gain a sense of belonging and psychological identification with the community and generally encourages an interest in the community's well-being and future. The development of a landfill in a community could impact its cohesiveness as a result of the displacement of residents and local services and facilities, interfereence with the use of community services and facilities, interference with patterns of neighbouring, and loss of resident attachment to place.

USE/INTERPRETATION:

This factor will be used as a basis for profiling candidate areas, for assessment of siting options and as input to the identification of possible impact management measures.

The assessment of this impact requires first determining the extent of cohesiveness in each community and then determining the extent to which this cohesiveness may be affected by the operation of a landfill.

INDICATORS:

1. Extent of neighbouring and social interaction.

Specific data to be collected include: number of friends and relatives in the area; participation/involvement in community groups and associations, interaction with neighbours.

2. Attachment to place.

Specific data to be collected include: length of residence in the community.

3. Use of local services/facilities.

Specific data to be collected include: extent of resident use of local services and facilities (i.e., the extent to which residents meet most, if not all, of their life requirements in the community).

Note: The assessment of impact on community cohesion will also involve taking into account other factors discribed earlier. These factors are: displacement of residents, loss of satisfaction with place, and displacement of local services and facilities.

CONSTRAINTS/LIMITATIONS:

There is no reliable method for predicting the potential for a landfill to disrupt patterns of social interaction. While the facility may disrupt the community, this disruption may cause members of the community to band together and therefore become more cohesive as much as it could cause them to become less cohesive. For this reason, impact on social cohesion will be assessed mainly in terms of the total numbers and community roles played by individuals who would be displaced and those who might move as well as the potential for the facility to disrupt focal points of social interaction.

DATA SOURCES:

1. Residents' Survey

2. Agency Contacts

3. Key Informants

4. Supporting Literature

- Bowles, Roy T. 1981. Social Impact Assessment in Small Communities. Toronto: Butterworth.

- Finsterbush, Kurt, et al. 1983. Social Impact Assessment Methods. Beverly Hills, CA: Sage Publications.

- Finsterbush, Kurt. 1980. Understanding Social Impacts Beverly Hills, CA: Sage Publications.

- Gate, Richard. 1977. Social Impact Assessment: An Overview. Washington, DC: U.S. Department of Agriculture, Forest Service.

Appendix 3

Resident Surveys: Approach

This Appendix consists of three parts.

" Part 1: Formal Surveys" describes the approaches taken to surveying in the Primary and Secondary Impact Study Areas.

"Part 2: Notes on Revisions to the Interview Instrument" summarizes comments received from the Community Liaison Groups regarding the Interview Instrument and how these were dealt with by the study team.

"Part 3: Letter of Assurance to Residents"

APPENDIX 3 Part 1: FORMAL SURVEYS

Four study areas of potential impact were delineated as relevant to the assessment of social impacts. These included:

1. A Primary Impact Study Area, encompassing the landfill siting options themselves, the 500 metre boundary and the 1000 meter boundary.

2. Secondary Impact Study Areas, outside of the Primary Impact Study Area and focused on two concerns, namely (a) residents in non-serviced areas within the Community Impact Study Area relying on well water or surface water and (b) residents whose property abutted access road segments determined in the traffic analysis undertaken by MacLaren Plansearch to be areas of potential problems. (See: Investigations for Landfill Sites in the City of Brampton, Report to the Regional Municipality of Peel, Appendix B, Detailed Site Comparison).

3. A Community Impact Study Area, delineated by the Community Liaison Groups and intended to take account of impacts on the community as a whole.

4. Sub-Community Impact Study Areas, which included Huttonville, Snelgrove, Tullamore and Professor's Lake.

Formal Surveying of residents in the Primary and Secondary Impact Study Areas was undertaken to collect the bulk of the data that would be used in the assessment of social impacts.

Two types of resident surveys were conducted. Residents within the Primary Impact Study Area were surveyed through personal interviews; non-resident property owners were contacted by letter and asked to provide their concerns by written response. Residents living along potential access routes and within unserviced areas within the Secondary Impact Study Area were surveyed through self-administered drop-off questionnaires. The approaches taken to resident interviews, non-resident contacts, and the drop-off surveys are discribed below. Copies of the interview instrument and drop-off questionnaires as well as a sample of the letter sent to non-resident property owners are contained in Appendix II.

Resident Interviews

A detailed questionnaire was developed and administered through personal interviews to residents living on properties located within the Primary Impact Study Area in each Candidate Area. The Interview Instrument was pre-tested prior to its administration to residents in the Study Area. The questionnaire was pre-tested in two communities, Schomberg and Maple. These communities were chosen because they possess characteristics similar to those found in the Study Areas and in the case of Maple, residents have already experienced living in a community with a landfill. Interviews were then undertaken during the summer of 1986.

The survey was composed of three parts. The first part, a resident survey, was administered to all interviewees. It requested information on community and household characteristics and the respondents' opinions and concerns regarding the proposed landfill facilities. A series of farm-related questions formed the second part of the questionnaire. These questions were administered to all farm households. The farm questions collected information about the type of farm operation, and concerns about potential impacts of landfill and landfill-related traffic. The third part of the survey, an access route survey, was administered to all households within the Primary Study Area whose property abutted a potential access route segment indentified by MacLaren Plansearch as a potential traffic problem area. The survey addressed residents' use of the roadway and concerns regarding existing traffic and landfill-related traffic.

Part one of the survey and portions of Part Two formed the main data base for the assessment of social impacts in the Primary Impact Study Area. Some questions in Part One, most of the Farm Survey questions and all of Part Three were included in the SIA Resident Interview Instrument as a means of collecting information that would assist in the assessment of Public Health and Safety issues (being undertaken by MacLaren Plansearch), economic impacts (undertaken by C.N. Watson and Associates Ltd.) and land use impacts (undertaken by the Region of Peel). The reason for including questions in the SIA Interview which were relevant to other studies was to make the surveying process more efficient and less disruptive for residents -- they would be interviewed in-depth once rather than three of four times by several different people.

The Ontario Ministry of Revenue's assessment role information (1986) was used to compile a mailing list of names, phone number, addresses, property assessment roll numbers and property uses (i.e., farm vs non-farm) for households within the Primary Impact Study Area.

A letter, outlining the Region's landfill site search process and the social impact study (see Appendix 11), was mailed to all households within the Primary Impact Study Area following which an attempt was made to schedule interviews with these households.

At least three attempts, during the different times of the day, were made to reach households by telephone to schedule an interview. Those households who could not be reached by telephone were mailed a second letter notifying them that we wished to schedule an interview and requesting that they contact our office to arrange a time. For each household contacted, interviews were scheduled with a representative (over 18 years of age) from each household within the Primary Impact Area.

The interviews were administered at a pre-arranged time and location. If an interviewee was not at home at the time of the scheduled interview, an attempt was made to contact the interviewee and reschedule the interview.

In Area VI, to facilitate and encourage the involvement of the Italian community, an interviewer who spoke Italian was employed to contact and conduct interviews with residents from this community.

Table 5 provides the number of households and the interview response rates for Area I, II and VI. Based on the Region of Peel's land-use data (1986), there are a total of 73 households in Area I, 125 households in Area II and 126 households in Area VI. In Area I, 40 (55%) households completed the questionnaire. We were unable to contact 19 (26%) households in Area I, and 14 or 19% of the households contacted refused to participate in the interview process. A total of 69 households were interviewed in Area II representing a 55% response rate. Eighteen (14%) households refused to participate and we were unable to contact 38 (30%) households to scheduled an interview. In Area VI, 72 interviews were conducted for a response rate of 57%. Eleven (9%) households refused to be interviewed and we were unable to contact 43 (34%) households.

Absentee Landowners

The assessment role information (1986) was used to compile a mailing list of names and addresses of non-resident property owners. A letter was mailed to each absentee landowner who resided outside the Primary Study Area. The letter briefly outlined the Region's search for an acceptable landfill site as well as the objectives of our study. It also invited them to provide us, by way of a letter, information on the use of their property and any concerns they may have regarding the proposed landfill.

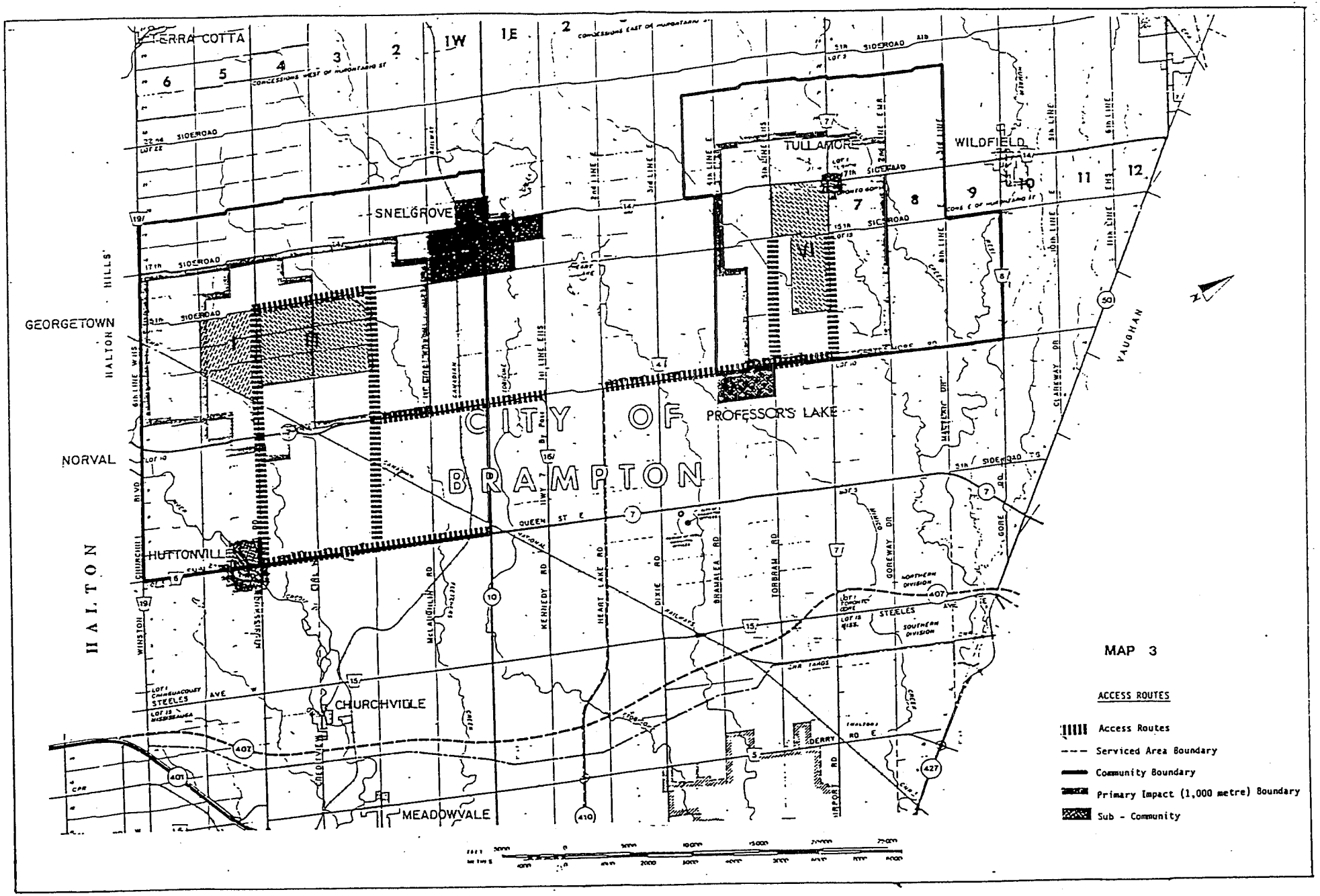
In total, 182 letters were sent to absentee landowners with 15 (8%) reponding to the letter.

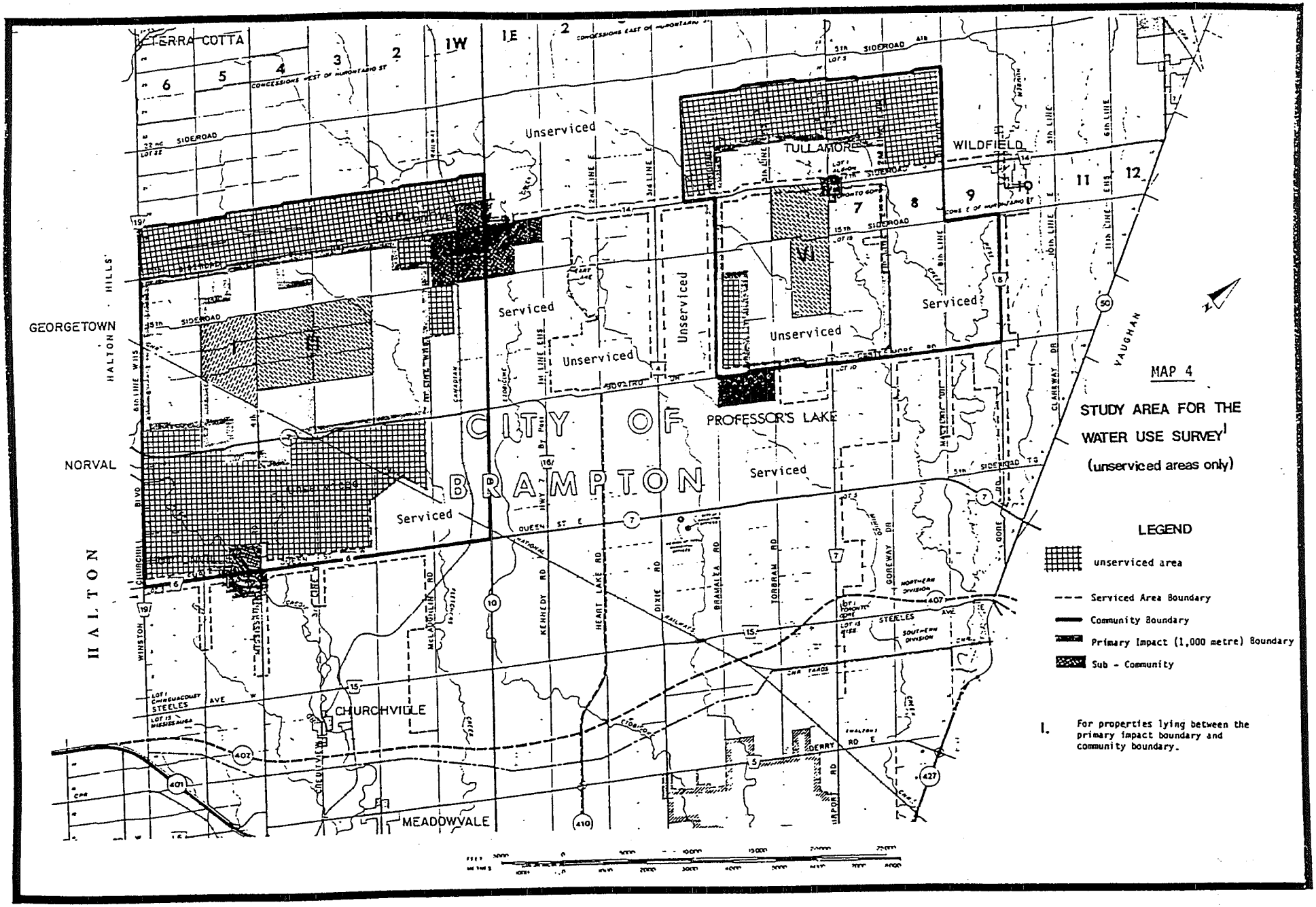
Drop-off Questionnaires

Two self-administered questionnaires, an access route and a water-use survey were developed and dropped off to households within the Secondary Impact Study Area. The access route survey was dropped off to every second household whose property abutted an access route road segment. The road segments are identified on Map 3. The survey collected information on household characteristics, uses of the roadway, and concerns about existing traffic and landfill-related traffic. Part 3 of the Resident Interview collected quivalent information to that of the access route drop-off survey.

A water use survey was dropped off to every second household located in the unserviced areas outside the Primary Impact Study Area but within the community boundary defined around each Candidate Area. The unserviced area is identified on Map 4. The questionnaire included questions regarding the household's source of water supply and use of water, concerns about the potential effects of the landfill on their water supply, the provision of an alternate water supply and household characteristics. Equivalent questions in section A of the resident interview provided information on households in the Primary Study Area.

The questionnaires were hand-delivered to every other house in the Secondary Impact Study Area. If no one was home at the time of delivery a questionnaire was left in a safe place where it could be found by a household member (e.g., behind a screen door, in a mail box, etc.), and a letter (see Appendix 11) was left with the questionnaire explaining the purpose of the questionnaire. All drop-offs were noted on maps and documented on field forms which recorded the survey identification number, a description of the property, date of drop-off, as well as the pickup date and time. Properties not receiving a drop-off questionnaire were also documented with reasons (e.g., vacant property, driveway barred, refusal, etc.).


TERRA COTTA
SNELGROVE
TULLAMORE
WILDFIELD
GEORGETOWN
NORVAL
HUTTONVILLE
CHURCHVILLE
MEADOWVALE
PROFESSOR'S LAKE
CITY OF BRAMPTON
HALTON HILLS
HALTON
VAUGHAN
QUEEN ST E
STEELES AVE
DERRY RD E
MAP 3
ACCESS ROUTES
Access Routes
Serviced Area Boundary
Community Boundary
Primary Impact (1,000 metre) Boundary
Sub - Community


TERRA COTTA
GEORGETOWN
HALTON HILLS
NORVAL
HALTON
CITY OF BRAMPTON
PROFESSOR'S LAKE
TULLAMORE
WILDFIELD
VAUGHAN
CHURCHVILLE
MEADOWVALE
DERRY
Unserviced
Serviced
MAP 4
STUDY AREA FOR THE WATER USE SURVEY[1]
(unserviced areas only)
LEGEND
unserviced area
Serviced Area Boundary
Community Boundary
Primary Impact (1,000 metre) Boundary
Sub - Community
1. For properties lying between the primary impact boundary and community boundary.

When a questionnaires was dropped off, a date and time to pick up the completed questionnaire was arranged where possible. If no one was home when IER staff returned to pick up the completed questionnaire, a stamped self-addressed envelope was left along with a letter (Appendix 11) requesting that the completed questionnaire be mailed directly to IER.

The surveys were dropped-off and picked up during the week of September 13 to September 20, 1986.

A total of 179 access route questionnaires were dropped off; 101 completed questionnaires (56%) were either picked up or returned by mail. One hundred and forty-five (145) water use questionnaire were dropped off; 94 (65%) completed questionnaires were returned.

Appendix 8 provides the results of responses given to access route and water use questions by residents in both the Primary and Secondary Impact Study Areas. This data was given to MacLaren Plansearch as input to their assessment of Public Health and Safety.

APPENDIX 3 PART 2: Notes on Revisions to the Interview Instrument

Meetings were arranged with members of the Community Liaison Groups in the three Candidate Areas to obtain their feedback on the draft Interview Instrument. Meetings were held with the Community Liaison Groups in Areas I and II. This report documents the comments received and the revisions that were made to the Interview Instrument. It is divided into four sections.

Section 1: Response to Comments from Area 2 Re the Interview Instrument

Section 2: Response to Comments from Area 6 Re the Interview Instrument

Section 3: Additional Changes Made to the Interview Instrument

Section 4: Overall Summary of Changes

Each of the Community Liaison Groups received a copy of this report in August.

A copy of the final Interview Instrument is contained in Appendix II.

Question 9: Deleted
Question 11: Deleted
Question 12: Deleted
Question 18: Deleted
Question 19: Deleted
Question 20: Deleted
Question 21: Deleted
Question 22: Deleted
Question 26: Deleted
Question 27: Deleted
Question 34: Deleted
Question 40: Interviewer Note added
Question 42: Deleted
Question 44: Revised.
Question 45: Revised
Question 46: Deleted
Question 47: Deleted
Question 48: Revised
Question 49: Revised

Part C: Access Road Survey

Question 3: Revised
Question 4: Revised

One additional question added dealing with specific access routes.

Section 1: RESPONSE TO COMMENTS
FROM AREA 2 RE INTERVIEW INSTRUMENT

QUESTION 1: THE RESPONDENT MAY NOT BE THE PERSON WHO HAS LIVED THERE THE LONGEST (ELDERLY RESIDENTS WHO HAVE ASKED THEIR CHILDREN TO MOVE IN WITH THEM MAY BE MISSED; THE RESPONDENT MAY BE A SPOUSE WHO JUST MOVED TO THE HOUSE). AREN'T WE REALLY INTERESTED IN IDENTIFYING THE LONG-TERM RESIDENTS? IF YES, THEN THE QUESTION SHOULD ASK THE RESPONDENT TO INDICATE WHO IN THE HOUSEHOLD HAS LIVED THERE THE LONGEST.

Agreed. As well as asking the respondent how long he/she has lived at this address, the respondent will be asked which member of the household has lived at this address the longest and for how long. The same was done for Question 2.

QUESTION 8, 9, 10, 11: QUESTION 8 ASSUMES PEOPLE ARE CLEAR AS TO WHEN A SITE WAS ANNOUNCED; THERE MAY BE SOME CONFUSION ON THE PART OF RESIDENTS IN SITES 1 AND 2 SINCE THE SITES WERE IN AT ONE POINT IN TIME, THEN ELIMINATED, THEN PUT BACK IN. SUGGESTED WE FIRST "WHEN DID YOU FIRST FIND OUT THAT THIS AREA WAS BEING CONSIDERED FOR A LANDFILL FACILITY?" SUGGESTED THAT WE ADD TO QUESTION 8 A REQUEST FOR INFORMATION ON YEAR OF IMPROVEMENTS, NATURE OF THE IMPROVEMENTS AND ESTIMATED COST. REGARDING QUESTIONS 9, 10, 11: IT WAS NOTED THAT THIS SERIES OF QUESTIONS WAS NOT CONSISTENT WITH SIMILAR QUESTIONS ASKED OF THE FARMERS (QUESTION 48 AND 49). GROUP WANTED THE QUESTIONS TO BE THE SAME.

This section of the questionnaire was revised substantially. Residents will now be asked "when did you first learn that this area was proposed as a candidate area for a landfill?" Question 8 has been deleted. Questions 10 and 11 were revised to make them consistent with quesitons 48 and 49 of the Farm Survey. Question 9 was deleted and a more general question posed earlier in the survey, namely "How has the announcement of the proposed landfill affected you and your household?"

QUESTION 25: IT WAS FELT THAT "ENTERTAIN" WAS TOO RESTRICTIVE. IF THE INTENT OF THE QUESTION IS TO GET AT THE EXTENT OF NEIGHBOURING THAT GOES ON THEN A BETTER WORDING WOULD BE "VISIT WITH".

Agreed: suggested change was made.

QUESTION26: THE GROUP DIDN'T THINK THAT THE SCALE WAS APPROPRIATE. SUGGESTED WE USE "NEVER, SELDOM, SOMETIMES, OFTEN AND VERY OFTEN".

Agreed: suggested change was made

QUESTION 27: THE GROUP WAS CONCERNED THAT THE QUESTION RESTRICTED THE RESPONDENT TO "COMMUNITY" ASSOCIATIONS ONLY. THEY WANTED AN INTERVIEWER NOTE INCLUDED WHICH WOULD STATE THAT THE ASSOCIATIONS DO NOT HAVE TO BE LOCATED WITHIN THE STUDY AREA BOUNDARIES. THEIR RATIONALE WAS THAT IT WAS THEIR INVOLVEMENT IN COMMUNITY GROUPS THAT WAS IMPORTANT NOT THE LOCATION OF THE GROUP AND, IN ANY CASE, SOME OF THE GROUPS ARE REGIONAL ORGANIZATIONS (E.G., FARM ASSOCIATIONS) AND NOT BASED IN EACH COMMUNITY. THE BENEFIT TO THE COMMUNITY COMES FROM, THE INVOLVEMENT OF COMMUNITY RESIDENTS IN SUCH ASSOCIATIONS REGARDLESS OF THEIR LOCATION.

Agreed. Question was changed to ask about involvement with community groups or associations <u>within the Region of Peel.</u>

QUESTION 31: WANTED THE LIST EXPANDED TO INCLUDE LIBRARY AND RECREATIONAL FACILITIES; WANTED TO KNOW IF WE WERE GOING TO PROJECT FUTURE USE/NEED FOR THE FACILITY.

Suggested changes made. The study will consider the following time frames: the immediate future, 20 years, 40 years. Consideration of future use/need will be incorporated into the assessment.

QUESTION 33: WANTED US TO ASK WHETHER THE RESPONDENT HAD ANY CONCERNS ABOUT HOW THEIR WATER SUPPLY MIGHT BE AFFECTED SINCE THIS WOULD ALLOW US TO IDENTIFY RESIDENTS WHO WERE WORRIED ABOUT WELLS RUNNING DRY AS WELL AS THOSE WORRIED ABOUT CONTAMINATION. ALSO INDICATED THAT PROVIDING AN ALTERNATE SOURCE OF WATER MAY NOT BE AN ACCEPTABLE MITIGATIVE MEASURE (RESIDENTS LIKE BEING ON WELLS SINCE THE WATER IS "BETTER" AND THEY HAVE MORE CONTROL OVER ITS QUALITY).

Agreed with suggestion. Additional questions incorporated to address these concerns.

QUESTION 35: FELT THIS QUESTION WAS NOT HELPFUL -- YES RESPONSE IS MOST LIKELY

The response may vary with distance from the site and we need to know this.

QUESTION 36: FELT THAT THE TIME FRAMES SHOULD BE TAKEN ACCOUNT OF -- OVER WHAT PERIOD?

Agreed. Suggested change was made by incorporating time frame into Question 35.

QUESTION 38: FOCUSSED TOO MUCH ON MONITORING AND COMPENSATION AND LEFT OUT OTHER KINDS OF MEASURES; SHOULD ADD "PRE-SERVICING OF SITE TO PROVIDE ALTERNATE SOURCE OF WATER TO THOSE NOT NOW SERVICED".

Suggested changes made.

QUESTION 48: WANTED A RATIONALE FOR THIS QUESTION; DIDN'T LIKE THAT UNIVERSITY STUDENTS WERE LEFT OUT (THEY HAVE A STAKE IN THE OUTCOME OF THIS PROCESS); FELT THAT THE QUESTION COULD BE DELETED.

Question was deleted.

QUESTION 49: WANTED CANADIAN ADDED TO LIST.

This question will include a category entitled "Other" which would allow the respondent to state "Canadian" if he/she wanted this listed as the ethnic group.

QUESTION 50: DIDN'T SEE THE RELEVANCE OF INCOME; FELT WE COULD GET THIS INFORMATION FROM THE CENSUS.

Agreed. Question was deleted.

QUESTION 5 UNDER FARM SURVEY: WANTED TO KNOW WHY NAMES WERE BEING ASKED FOR; ISN'T THE SURVEY SUPPOSE TO BE ANONYMOUS?

This was an error in the Draft. Names will not be asked in the body of the interview instrument.

WHY IS THERE NOT GREATER EMPHASIS GIVEN IN THE QUESTIONNAIRE TO THE IMPACT ABUNDANT WILDLIFE IN THE AREA HAS ON THE QUALITY OF OUR LIVES?

Question 6A and B, 7, 13 and 37 provide an opportunity for residents to raise this concern. We believe that this is sufficient. In addition, impacts on wildlife is being addressed in the terrestrial impact study.

WHY NOT INCLUDE A QUESTION ASKING FOR PEOPLE'S VIEW WITH RESPECT TO THE LACK OF GREENBELT AREAS PROVIDED IN BRAMPTION'S PRESENT PLANNING?

If the area was designed greenbelt area in Bramption's Official Plan or if it was being considered as a potential greenbelt area, then its possible loss would be relevant to the social impact assessment. This is not the case. We understand the concern underlying your question, however the siting of a landfill may result in the loss of potential future greenbelt areas. The Region is conducting a land use impact study and we will convey your concern to those conducting the study.

IN REGARDS TO COMMUNITY IMPACT OF A SANITARY LANDFILL SITE, TULLAMORE WOULD BE DEGRADED OR ELIMINATED. IN BRAMPTION'S OFFICIAL PLAN TULLAMORE HAS BEEN DESIGNATED FOR EXPANSION.

In our study design, Tullamore has been designated as a sub-community. Meetings will be held with community leaders/ representatives to obtain their concerns about the effect of a landfill on the community. Also the Region is conducting a land use impact study and we will convey your concern to those conducting the study.

WILL THERE BE DUMPING AT NIGHT?

The Region operating procedures do not include night operations; only on an emergency basis would night operations be allowed.

QUESTION 4 OF THE ACCESS ROAD SURVEY SHOULD BE REVISED TO INCLUDE JOGGING.

Agreed. Suggested change was made.

QUESTION 6: SHOULD ADD THE WORD "OPERATIONS" TO THE END OF THE QUESTION.

Done.

QUESTION 7: FELT THE INTERVIEWER NOTE SHOULD BE DELETED; RESPONDENTS WOULD ONLY BE ABLE TO PROVIDE CRUDE GUESTIMATES AND THIS WOULD NOT BE RELIABLE INFORMATION.

Agreed.

QUESTION 8: WANTED THIS QUESTION TO BE OPEN-ENDED; FELT THAT THIS QUESTION AND THE NEXT SHOULD BE DELETED (A RESPONSE TO THIS QUESTION SHOULD BE SOUGHT FROM POLITICIANS AND OTHER COMMUNITY REPRESENTATIVES INSTEAD).

Agreed. Questions 8 and 9 were deleted.

QUESTION 26: SUGGESTED WE ALSO ASK NUMBER OF YEARS STILL ON PRESENT LEASE.

Suggested change made.

QUESTION 27: DIDN'T SEE WHY THIS SHOULD BE ASKED; WANTED THE QUESTION LEFT OUT.

Agreed. Question 27 deleted.

QUESTION 34: WANTED THIS QUESTION DELETED; MORE INFORMATION CAN BE OBTAINED FROM THE CENSUS.

Agreed. Question 34 deleted.

QUESTION 38 AND 39: WANTED THESE QUESTIONS DELETED; IF WE WANT TO KNOW IF THERE ARE OTHER PEOPLE WE SHOULD BE SURVEYING, WE SHOULD SIMPLY ASK FOR THIS INFORMATION.

This information is need to ensure that our survey is complete. Questions not deleted.

QUESTION 40: THOUGHT "LOCATION" MIGHT BE AMBIGUOUS -- DO WE MEAN MUNICIPALITY OR LOCATION WITHIN THE "COMMUNITY" BOUNDARY (THE LATTER BEING TOO RESTRICTIVE).

An interviewer note was added to instruct interviewer to ask for municipality if location is not within community boundaries.

QUESTION 42: THOUGHT "THIS PROPERTY" WAS AMBIGUOUS; SUGGESTED WE CHANGE IT TO "YOUR PROPERTY WITHIN THE COMMUNITY".

Question revised along the lines suggested. Upon further consideration this question was subsequently deleted (see Part 3 of these notes for an explanation).

QUESTION 44: FELT THE INFORMATION ASKED FOR WAS TOO COMPLICATED AND TIME CONSUMING; SUGGESTED WE SIMPLY ASK "ARE THERE ANY ROADS THAT YOU USE TO MOVE FARM MACHINERY THAT YOU ARE CONCERNED MIGHT BE AFFECTED BY LANDFILL TRUCK TRAFFIC".

Agreed. Question revised as suggested.

QUESTION 45: WANTED US TO ADD NEIGHBOUR VISITS, VETERINARIAN VISITS, PROPANE FILL-UP.

Our concern is only with potential interference with farm operations. Thus, neighbour visits were not included. Other suggested changes were made.

QUESTION 46: SUGGESTED WE DELETE THIS QUESTION; LIVESTOCK WOULD BE TRUCKED.

Agreed. Question was deleted.

QUESTION 47: TIME FRAME NOT CLEAR -- NOTE THAT SITES 1 AND 2 WERE IN THEN OUT THEN IN AGAIN TO THE CONFUSION OF RESIDENTS. QUESTION 48: SUGGESTED WE DELETE ITEMS 1 AND 2 FROM THE LIST. QUESTION 49: WANTED THIS TO BE CONSISTENT WITH THE QUESTIONS ASKED OF RESIDENTS.

Question 47 was deleted (as was question 8 of Part A). Items 1 and 2 were deleted from Question 48 and Quesiton 49 was made consistent with question asked for residents.

RE ACCESS ROAD SURVEY: WANTED THE FOLLOWING ROADS ADDED TO THE LIST -- HIGHWAY 10, 2ND LINE (NOTED THAT THIS ROAD MY BE EXTENDED TO 22ND LOT LINE, THAT IT NOW SERVES AS A BY-PASS FOR HIGHWAY 10, AND THAT THIS FUNCTION WILL INCREASE ONCE THE ROAD IS EXTENDED), HIGHWAY 7, AND 17TH SIDEROAD.

Part C of the survey was in very rough form when it was distributed to you for comment. The traffic specialist with MacLaren Research was out of the country at the time we put Part C together and thus we were not able to list the access routes that could be potential problem areas. He has since returned and the following access road segments in the area of Siting Options 1 and 2 will be surveyed: Queen Street, between Mississauga Road and Highway 10; Mississauga Road, between Queen Street and 15th Sideroad; Second Line West, between Queen Street and 15th Sideroad; 15th Sideroad between Mississauga road and Second Line West; Highway 7 between Second Line West and Kennedy Road.

SECTION 2: RESPONSES TO COMMENTS FROM AREA 6 RE INTERVIEW INSTRUMENT

NEED TO DEFINE WORD "COMMUNITY". IS IT DISTANCE, AREA, CITY, FORMER TOWNSHIP, COUNTY? THE COMMUNITY AROUND AREA 6 AND AREA 1 AND 2 DO NOT APPEAR CONSISTENT.

Community, in this study, is not based on any of the above. Rather, it is based on the responses given by members of the Community Liaison Committee to my questions regarding their perceptions of the extent of "sense of belonging" to the Area 6 community and extent of "social relationships" among Area 6 residents. The boundary thus is intended to reflect a sociological/perceptual definition of community. Defining community in terms of what residents perceive it to be was felt to be a much better approach for a social impact study than using a definition based on more arbitrary factors of distance or area (on what basis would these be set?) or civic boundaries (which were set up for completely different purposes).

The community boundaries in each of the study areas are consistent in that they were set using the same procedure (i.e., based on resident perceptions of their community). They appear inconsistent because, quite naturally, the perceptions of "community" in each area are different.

QUESTION 8: I QUESTION THE RELEVANCE OF THIS QUESTION IN RELATION TO SOCIAL IMPACT - IS IT A LOADED QUESTION?

This question is relevant to the assessment of social impacts. Knowing about improvements to property is important for two reasons. First, the significance of social impacts depends to a certain extent on the response of residents to those impacts. Improvement to property is an indication that residents are willing, despite the potential for a landfill to be located in their area, to continue to invest money, energy and positive emotion into their property. And second, residents who have invested in improvements to their property and who may be seriously impacted by the proposed landfill should be taken into account in the development of compensation policies should the decision be made to locate the landfill in their community.

Notwithstanding the above, since this question was also a concern for the Area 2 Community Liaison Group, and since it is not an essential question, it has been deleted from the interview instrument.

QUESTION 15: RED HERRING QUESTION TO DETERMINE PRESENT OR CURRENT DISSATISFACTION AND LOWER COMPENSATION TO OWNER; THIS QUESTION AND QUESTION 16 WERE IRRELEVANT AS IT HAS ALREADY BEEN MADE ABUNDANTLY CLEAR THAT THE MAJORITY OF PEOPLE IN THIS COMMUNITY ARE HAPPY HERE AND WISH TO CONTINUE LIVING HERE. WHAT IS THE PURPOSE OF HAVING PEOPLE DISSECT THE COMMUNITY THEY CHOSE TO LIVE IN FOR THIS SURVEY?

The purpose of this question is to help us to determine whether landfilling operations will exacerbate any existing problems. It has nothing to do with compensation. It may help us to prioritize mitigation measures by revealing, for example, that noise will be more of a problem (because of already existing noise problems) than dust.

We appreciate that residents "are happy here" and that they "chose to live" in the community. However, it is important that our study be methodologically sound. For this reason we can't rely solely on the "say-so" of the members of the Community Liaison Group. We need to be able to provide reliable data that backs up claims made regarding residents' level of satisfaction with their community.

QUESTION 16: WHAT HAS THIS TO DO WITH LANDFILL. APPEARS TO BE RED HERRING TO DIRECT RESPONDENT FROM LANDFILL PROBLEM.

This question is intended to help us describe your community. Services and facilities are importnat to be quality of life of residents living in a community. Our concern is to ensure that landfilling operations do not interfere with the functioning of such services and facilities or bring about a significant change in the quality of life of community residents.

QUESITON 18: KEY QUESTION TO DETERMINE THE AUTHENTICITY OF ANSWERS TO QUESTIONS 6A, 6B, 7, 8, 9, 10, 11, 12, 13, 14. THE IMPACT IS IN DIRECT RELATION TO THE ESTABLISHMENT OF A LANDFILL SITE. THE CHOICE OF WHETHER ONE WOULD STAY IN THE AREA, BASED ON THIS NOT BEING THE CASE, COULD HAVE THE EFFECT OF SLANTING THE SURVEY AND PREJUDICING THE OUTCOME. ANOTHER IRRELEVANT AND ALSO LEADING QUESTION.

THis <u>is</u> a key question. It is more relevant to question 12 and 17, however, than to question 6-11 and 13-14. The purpose of the question is to assist us in determining the level of residents' attachment to place. We do not think that it will prejudice the outcome, especially considering that question 21 asks if they would in fact move, and where they would move if the landfill were located here.

QUESTION 31: IGNORES UNIVERSAL CAR OWNERSHIP IN THIS AREA, UNLESS IT IS TO DETERMINE THE AMOUNT OF SHOPPING DONE IN TULLAMORE. COMMUNITY AS DESCRIBED BY YOU RESTRICTS INHABITANTS TO AN UNNATURAL BOUNDARY. EFFECTIVELY, OUR BOUNDARIES FOR THESE ACTIVITIES GO BEYOND SIA MAPS REFERRED TO. THEREFORE, RESPONDING TO THIS QUESITON WILL GIVE A FALSE READING.

Our concern is with the extent of use of local services and facilities so that we may determine whether traffic to and from the landfill would interfere with accessibility to these services. It will supplement information obtained in Question 16. This information may also be helpful in providing an indication of community cohesion, that is, the extent to which residents are able to meet most, if not all, of their basic day-to-day life requirements in the community.

QUESTION 35: PAST EXPERIENCE SHOWS THAT A LANDFILL SITE DOES NOT INCREASE PROPERTY PRICES SO WHAT IS THE POINT IN HAVING INCREASE AS PART OF THE QUESTION. WHY NOT QUALIFY THE QUESTION BY ASKING THE PROPERTY OWNER HOW MUCH HIS/HER PROPERTY WILL DECREASE AND WHY. AS IT IS, THIS QUESTION IS AN INSULT TO ONE'S INTELLIGENCE.

This is one of those methodological requirements that is difficult to explain. For our survey to be valid, we cannot make assumptions regarding "the obvious". There will be those residents who think their property value will change, those who do not and those who don't know. (The key variable will likely be distance from the siting option.) For those who reply "yes" we cannot assume that all will be expecting a decrease. Some may expect an increase (for example, in the longer run when the site is rehabilitated) and some may not know what kind of change is likely. We do not know what residents expect and asking them is the only way for us to find out.

We cannot qualify the question by asking residents to guess at how much property value will change. Their response would not be valid since residnets are not likely to have the expertise necessary to make a reliable guess. Residents are a reliable source for expectations about possible change in property values; but we have to rely on experts in property value to give us an estimate of the degree of change. The issue of how much property value will be changed is being addressed by the consultant conducting the economic impact survey.

QUESTION 50: I FAIL TO SEE THE RELEVANCE OF THIS QUESTION TO THE SOCIAL IMPACT OF A LANDFILL SITE ON PEOPLE'S LIVES. HOW IS THIS INFORMATION TO BE USED AND FOR WHAT PURPOSE? WHY DOES THIS SURVEY ASK WHAT A HOUSEHOLD'S YEARLY INCOME IS? WHAT IMPACT DOES THIS HAVE ON THE SURVEY? IT IS TOO PERSONAL ALSO ASKING A BUSINESS' 1985 GROSS INCOME.

This question is standard for social surveys. The landfill may have economic implications for affected residents. To assess the significance of these implications, it is necessary to know about the economic status of residents. At the same time, we appreciate the sensitive nature of this question. And it is possible for us to get similar information from the Census. For these reasons, we have decided to delete Question 50 from the survey. Questions relating to business income, however, must remain as up to date information is needed for the economic impact study. The question relating to business income (question 22 of the Farm Survey) was changed so that respondents do not have to provide <u>specific figures</u> but rather can indicate what <u>range</u> their gross yearly business income falls in.

PLEASE SHOW RESIDENCE ON LOT 9-177

ok

SHOW THE CORRECT SCALE ON THE MAP MARKED 1C.

All maps have been re-done and scales clearly shown.

SHOW THE RAVINE THAT CUTS DIAGONALLY ACROSS VI B

At this point in the study such natural features need not be shown on base maps. If, as the study progresses, such features are shown to be relevant to the assessment of social impact they will be mapped and discussed in the final report.

THE CREEK OR STREAM THAT RUNS IN THE RAVINE IS THE WEST ARM OF THE HUMBER RIVER THAT EMPTIES INTO THE CLAIREVILLE CONSERVATION AREA.

Information noted.

ELEVATIONS: DUE TO THE HIGH ELEVATION OF MAYFIELD SECONDARY SCHOOL AND THE LOW AREA OF THE PROPOSED WASTE MANAGEMENT SITE, THE SCHOOL WOULD HAVE A CLEAR VIEW OF THE DUMP. PLEASE COMMENT WHY THE SCHOOL IS NOT IN THE SOCIAL IMPACT STUDY.

The school will be in the social impact study. Map 1C shows the primary impact zone only. The facility is not located within the primary impact zone (1000m from the siting option boundaries). However, operators of all significant services and facilities serving the community (i.e., serving residents within the community boundary) will be interviewed.

INDIVIDUAL SMALL FAMILY RESIDENTS ARE GOING TO TAKE THE BRUNT OF THE PROPOSED DUMP. WHY IS THIS SET ASIDE IN FAVOUR OF LARGE FARM HOLDINGS?

Impacts on individual small family residents have not been set aside in favour of large farm holdings. Part A of our survey is focussed exclusively on individual residents. Part B of our survey addresses farming as a business activity.

WHY ARE THERE NO QUESTIONS IN REFERENCE TO HEALTH PROBLEMS, E.G., CHILDREN THAT HAVE RESPIRATORY PROBLEMS, THE 1500+ CHILDREN THAT GO TO MAYFIELD COLLEGIATE, THE CHILD ON LOT 18900 THAT SUFFERS FROM CHRONIC ASTHMA?

Section F of the questionnaire (Questions 32-34 in particular) addresses potential health problems. In addition, this issue will be probed with public officials (e.g., school administrators, public health officers).

ACCESS ROAD SURVEY: THERE IS NO REFERNCE TO A SPECIAL ROAD TO BE CONSTRUCTED FOR WASTE MANAGEMENT TRUCKS. THIS SHOULD BE A PRIME CONCERN AS TRUCK TRAFFIC PAST ESTABLISHED AREAS WILL CREATE DUST AND HEALTH HAZARD. PLEASE MAKE REFERENCE TO A SPECIAL ROAD OR HIGHWAY TO THE DUMP.

We know of no "special road" to be constructed. Information given to us by the Region and its consultant indicate that existing roadways will be used. The access road survey will focus on those segments determined to be potential problems.

WILDFIELD: THIS AREA SHOULD BE IDENTIFIED AS A SUB-COMMUNITY. IT WOULD APPEAR THAT THE MAP WAS DRAWN TO AVOID IT. WHY IS IT NOT INCLUDED? SOME CHILDREN AND FAMILIES CLOSE TO THE DUMP SITE GO TO SCHOOL AND CHURCH THERE.

There was no intent to avoid Wildfield. It was not suggested by members of the Community Liaison Group that I met with on July 2 and 14 as a potentially affected sub-community. Given its location to the VI A and B siting options, I have to conclude that it is not a potentially affected sub-community. Wildfield will not be an access route for trucks going to or from the landfill and it will not be affected by visual intrusion or other nuisance impacts. You have a point, however, about a potential impact on the church and school there. Our survey asks residents to state what schools and churches they attend. We also ask questions about whether residents will move. This will allow us to determine if the church and school may lose people as a result of the siting of the landfill.

PROFESSORS LAKE: THE SOUTHERN BOUNDARY FOR AREA 6, TO BE CONSISTENT WITH AREAS 1 AND 2 SHOULD EXTEND MUCH FURTHER SOUTH THAN TO BOVAIRD/CASTLEMORE DRIVE. PROFESSOR'S LAKE AREA IS DEFINITELY WITHIN THE ZONE TO BE AFFECTED.

We agree that Professor's Lake is likely to be affected. It has been designated as a sub-community rather than incorporated into the community boundary. This came as a result of my discussions with members of the Community Liaison Group on July 2 and 14. It was agreed that, in social terms, Professor's Lake was a separate, identifiable community in its own right. For this reason it was designated as a sub-community. In sub-communities, meetings will be held with community representatives (e.g., chairpersons of ratepayer associations, elected officials, etc.) to explore their concerns regarding the potential impact of the proposed landfill on the sub-community. In addition, residents in Professor's Lake that live along potential access routes (Bovaird Drive) will be interviewed using Part C of the interview instrument (Access Routes).

ROAD IDENTIFICATION: THE MAJOR ROADS TO BE USED SHOULD BE IDENTIFIED, E.G. HIGHWAY 410, BOVAIRD, TOBRAM, AIRPORT. IN THE FARM ACCESS ROUTE SURVEY SEVERAL ROADS HAVE BEEN DELETED, E.G., #7 HIGHWAY, WILLIAMS PARKWAY, DIXIE ROAD, OLD SCHOOL ROAD, HIGHWAY 50 FROM BOLTON, THE GORE ROAD (A SCHOOL THERE), ETC.

Part C of the survey was in very rough form when it was distributed to you for comment. The traffic specialist with MacLaren Plansearch was out of the country at the time we put Part C together and thus we were not able to list the access routes that could be potential problem areas. He has since returned and the following access road segments in the area of Siting Options VI A and B will be surveyed: Bovaird Drive between Heart Lake Road and Airport Road, Torbram Road between Bovaird Drive and 15th Sideroad, and Airport Road between Bovaird Drive and 15th Sideroad.

THE AREA OF GREATEST IMPACT (PRIMARY IMPACT ZONE) SHOULD INCLUDE THE AREA ON 17TH SIDEROAD EAST TO THE 2ND LINE (GOREWAY DRIVE). THE REASON BEING THAT THE PEOPLE IN THAT AREA WILL BE JUST AS SERIOUSLY AFFECTED BY NOISE AND TRAFFIC AS THE ONES IMMEDIATELY TO THE WEST OF THEM, WHO WERE INCLUDED IN THE PRIMARY IMPACT ZONE. ANY TRUCKS COMING FORM THE EAST ON 17TH SIDEROAD TOWARDS AIRPORT ROAD HAVE TO DRIVE PAST THESE FIVE PROPERTIES THAT I FEEL SHOULD BE INCLUDED AND WERE NOT. THERE IS NO OTHER INTERSECTION WHERE THEY CAN TURN OFF BEFORE GETTING TO TULLAMORE. CONSEQUENTLY, THESE PEOPLE IN THE ABOVE-MENTIONED AREA WILL BE JUST AS SERIOUSLY AFFECTED AS THE ONES THAT WERE INCLUDED IN THE PRIMARY IMPACT ZONE. IT DOESN'T MAKE SENSE STOPPING THE PRIMARY IMPACT ZONE BEFORE THE INTERSECTION OF 17TH SIDEROAD AND THE 2ND LINE. IN ADDITION, THE PROPERTY VALUES WILL BE DECREASED IN THE SAME WAY AS NEIGHBOURS WHO WERE INCLUDED IN THE PRIMARY IMPACT ZONE.

Setting study area boundaries is always very difficult. The rationale has to be reliable and valid. Arbitrary boundaries should be avoided to the extent possible. In setting the primary impact zone boundaries, we used the most reliable rationale available - empirical evidence from past research on landfills. This research indicates that the impacts of landfills (noise, dust, litter, methane gas, leachate, etc.) generally do not extend beyond 500m of site boundaries. In recognition that this was a statistical average, we doubled the potential impact boundary so that it would extent 1000m. This boundary was then adjusted to include that portion of any property severed by the 1000m line so that the whole property was included. This resulted in a zigzag boundary and the effect you refer to where the boundary line stops short of a major roadway and small pockets of residential properties were left out of the primary impact zone. Discussions were held with the economic consultant and the regional official responsible for the land use impact study to determine whether an extension of the 1000m boundary line to the nearest major roadway could be justified. The consensus was that this would be reasonable since some impacts (i.e., property devaluation) could potentially extend beyond the 1000m line (which is itself after all based on an estimate of the <u>average</u> extent of impacts) and that if impacts were to extend beyond 1000m this extension is not likely to go beyond the nearest roadway since the roadway would act as a barrier or buffer. For these reasons, the 1000m boundary line was further adjusted to take in any properties effectively encompassed by the boundary line and that lie between the boundary line and a major roadway or other man-made and natural barrier. Thus, the values you refer to have been included in the primary study area.

WHY IS THERE NO REFERENCE TO THE AREA AS A RECREATIONAL ATTRACTION TO THE MANY PEOPLE LIVING IN SURROUNDING AREAS WHO REGULARLY VIST BOTH GOLF AND COUNTRY CLUBS?

This interview instrument focuses only on residents of the area. Interviews will be held with operators of services and facilities (including golf courses) to determine potential impacts on the operation of their services and facilities, impacts which would affect not only residents of the community who use the service or facility but also residents in surrounding areas.

SECTION 3: ADDITIONAL CHANGES MADE TO THE INTERVIEW INSTRUMENT

The following changes were made by the consultants based upon their professional judgement.

A NEW SECTION WAS ADDED DEALING WITH CITIZEN RESPONSE TO THE SITING ANNOUNCEMENT.

It is recognized that the siting announcement itself may result in social impacts. Three questions were added to the interview instrument which ask the respondent when he/she first learned of the siting proposal, provide the respondent with an opportunity to express whether and how the siting announcement has affected him/her and the household, and ask the respondent to elaborate on his/her concerns regarding the proposed landfill facility.

QUESTION 7 WAS DELETED

This question was felt not to be essential and since there was no need to shorten the time required for the interview, it was deleted.

QUESTION 32, DEALING WITH HEALTH, WAS CHANGED.

The question, as worded, focussed on respiratory problems which, it was felt, would lead the respondent in his/her response. For this reason, the question was revised to make it more general and to probe respondents' own concerns.

QUESTION 11 AND 12 OF THE FARM SURVEY WERE DELETED.

Quesiton 10 asked for the number of employers and question 13 asked for the number a year ago. Response to question 13 will indicate whether there has been a change. Therefore, Question 11 and 12 are not necessary.

QUESTION 42 OF THE FARM SURVEY WAS DELETED.

It was felt that this question was not essential and since there was a need to shorten the interview, time, it was deleted.

QUESTIONS WERE ADDED TO THE ACCESS ROUTE SURVEY TO OBTAIN INFORMATION ON RESIDENT CONCERNS REGARDING COMMUNITY TRAFFIC GENERALLY AND THEIR CONCERNS REGARDING SPECIFIC ACCESS ROUTES.

The access road survey was in very rough form when it was distributed to the community liaison group for comment. These changes represent an attempt to strengthen this section of the interview instrument.

Section 4: OVERALL CHANGES

Part A: Resident Survey

Question 1: Revised (supplementary question added)

Question 2: Revised (supplementary question added)

Question 7: Deleted

Question 8: Deleted

Question 9: Deleted

Question 10: Revised

Question 11: Revised

Question 25: Revised

Question 26: Revised

Question 27: Revised

Question 31: Revised

Question 32: Revised and additional questions added

Question 33: Revised (supplementary questions added)

Question 35: Revised

Question 38: Revised

Question 48: Deleted

Question 49: Revised

Question 50: Deleted

New Section added dealing with effects of siting announcement.

Part B: Farm Survey

Question 1: Revised (to delete Other Business)

Question 2: Deleted

Question 3: Deleted

Question 4: Deleted

Question 5: Deleted

Question 6: Deleted

Question 7: Interviewer Note Deleted

Question 8: Deleted

APPENDIX 3 Part 3: Letter of Assurance to Residents

During the early weeks of the residents interview process, considerable reluctance to participate in the interview process was often expressed by residents contacted. They were generally concerned about the potential for their responses to be misconstrued and recorded inaccurately, being "caught off guard" and not being able to give considered responses to the questions, and the confidentiality of their responses to questions.

To encourage full participation, the following letter of assurance was prepared, discussed with the community liaison groups, and distributed to all residents contacted.

Armour and Associates
Environmental Planning
Impact Assessment

Audrey Armour MES MCIP
Principal

193 Annette Street, #1
Toronto, Ont., M6P 1P7
(416) 769-4338

Dear Resident:

Interview surveys of this kind often raise some concerns regarding the accuracy and confidentiality of the recorded responses. I want to assure you that I will take every precaution and do my utmost to protect your privacy and ensure that our study does not misrepresent information provided to us. To this end, I want to provide you with the following assurances:

- If you have relatives living in the study area you may want us to conduct a joint interview (rather than interview each household individually). Let us know and we will arrange one.
- We cannot leave a questionnaire with you in advance of the interview; it could be seen to invalidate the interview results.
- However, if you wish to do so, you are welcome to review your responses as the interviewer records them. If your responses have not been recorded correctly, please inform the interviewer and he/she will correct them.
- If you wish to have a copy of your completed questionnaire, we will provide you with one.
- Following your interview, if you would like to provide us with additional comments, you may call me or Cynthia Rattle at the phone numbers provided below. A copy of your revised response will be provided to you if you so wish.
- The name given on the front page of the questionnaire is there so that the interviewer can verify that he/she is interviewing the right person. This front sheet will be removed following your interview so that your responses will remain anonymous.
- The questionnaires are our property; they do not belong to the Region of Peel and will not be given to them.
- The information you provide us with will be presented in an aggregate form only. We will not volunteer information of a personal or confidential nature. Confidential information from the survey respondents can only be obtained by court order and to the best of our knowledge this has never occurred under the Ontario Environmental Assessment Act.

I fully appreciate any concerns you may have and hope that the above policies will give you confidence and trust in this study. Your cooperation in the collection of information needed to complete our social impact assessment is essential to the quality and validity of our report. If you have any further concerns, please do not hesitate to call me at 769-4338 or to contact my project manager, Cynthia Rattle, at the Institute of Environmental Research, 226-4022.

Sincerely,

Audrey Armour

Audrey Armour

Appendix 4

Resident Surveys: Household Survey Results

APPENDIX 4

TABLE 1: SURVEY RESPONSE RATES BY AREA

	Area I	Area II	Area VI
Number of Households[1]	73	125	126
Number of Completed Interviews	40	69	72
Response Rate (%)	55	55	57
Number of Non-Farm[1] Households	47	84	98
Number of Completed Non-Farm Interviews	29	54	56
Non-Farm Response Rate (%)	62	64	57
Number of Farm Households[1]	26	41	28
Number of Completed Farm Interviews	11	15	16
Farm Response Rate (%)	42	37	57
Number of Interviews Refused	14	18	11
Refusal Rate (%)	19	14	9

1. Source: Region of Peel Land-Use Data (1986).

APPENDIX 4

TABLE 2: SURVEY RESPONSE RATES BY SUB-AREA

Sub-Area	On-Site			0-500m			500-1000m			Combined Total		
	Non-Farm	Farm	Combined	Non-Farm	Farm	Combined	Non-Farm	Farm	Combined	Non-Farm	Farm	Combined
IB												
Number of Households[1]	3	1	4	9	10	19	27	11	38	39	22	61
Number Interviewed	1	0	1	7	3	10	19	7	26	27	10	37
% Interviewed	33	0	25	78	30	53	70	64	68	69	46	61
IC												
Number of Households[1]	1	2	3	11	7	18	31	11	42	43	20	63
Number Interviewed	1	0	1	7	2	9	16	4	20	24	6	30
% Interviewed	100	0	33	64	29	50	52	36	48	56	30	48
IIB												
Number of Households[1]	11	3	14	10	7	17	44	17	61	65	27	92
Number Interviewed	9	3	12	11	1	12	27	5	32	47	9	56
% Interviewed	82	100	86	110	14	71	61	29	53	72	33	61
IIC												
Number of Households[1]	9	3	12	10	7	17	31	15	46	50	25	75
Number Interviewed	8	3	11	10	2	12	20	6	26	38	11	49
% Interviewed	89	100	92	100	29	70	65	40	57	76	44	65
IIE												
Number of Households[1]	3	0	3	13	10	23	33	16	49	49	26	75
Number Interviewed	2	-	2	14	4	18	16	4	20	32	8	40
% Interviewed	67	-	67	108	40	78	49	25	41	65	31	53

1. Source: Region of Peel Land Use Data (1986).

APPENDIX 4

TABLE 2 (cont'd)

Sub-Area	On-Site			0-500m			500-1000m			Combined Total		
	Non-Farm	Farm	Combined	Non-Farm	Farm	Combined	Non-Farm	Farm	Combined	Non-Farm	Farm	Combined
IIF												
Number of Households[1]	2	2	4	13	7	20	30	16	36	45	25	60
Number Interviewed	0	0	0	14	4	18	19	5	24	33	9	42
% Interviewed	0	0	0	108	57	90	63	31	67	73	36	60
VIA												
Number of Households[1]	6	1	7	18	10	28	46	10	56	70	21	91
Number Interviewed	5	1	6	10	3	13	26	7	33	41	11	52
% Interviewed	83	100	86	56	30	46	57	70	59	59	52	57
VIB												
Number of Households[1]	9	4	13	22	6	28	44	6	50	75	16	91
Number Interviewed	6	2	8	14	2	16	26	6	32	46	10	56
% Interviewed	67	50	62	64	33	57	59	100	64	61	63	62

1. Source: Region of Peel Land-Use Data (1986)

APPENDIX 4

TABLE 3: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: COMMUNITY
DESCRIPTOR: HOUSEHOLD CHARACTERISTICS

SOCIAL PROFILE

Characteristic[1]	Area I	Area II	Area VI
Average Household Size	3.7	3.7	3.9
Average Number of Children (<18 years) Per Household[2]	2.1	2.0	1.9
Households With Children	63%(24)	62%(42)	49%(35)
Households Without Children	37%(14)	37%(25)	51%(36)
Population 0-14 years	29%(42)	27%(65)	17%(47)
Population 65 years and over	5%(8)	6%(15)	6%(18)
Property Owned	85%(34)	77%(53)	83%(60)
Property Rented	15%(6)	23%(16)	17%(12)

1. Percentages and numbers (in brackets) are from the residents' survey.
2. Includes only households which have children.

APPENDIX 4

TABLE 4: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON COMMUNITY
DESCRIPTOR: RESIDENT CONCERNS

SOCIAL PROFILE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Do you have concerns about the proposed landfill facility?						
Yes	39	98	65	94	68	94
No	0	0	3	4	3	4
Don't Know	1	3	1	1	1	1
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	
What are your concerns?						
1. Water pollution/hydrogeology	30	75	42	61	41	57
2. Odours	13	33	23	33	41	57
3. Devaluation of property	15	38	21	31	21	29
4. Litter/dust	12	30	25	41	17	24
5. Gulls/rodents/insects	10	25	15	22	25	35
6. Community disruption	8	20	15	22	9	13
7. Long-term health/environmental effects	8	20	9	13	7	10
8. Reduced quality of farm products	6	15	15	22	3	4
9. Noise	6	15	10	15	16	22
10. Quality of life	5	13	8	12	6	8
11. Aesthetics	6	15	9	13	3	4
12. Health/safety concerns re: children	4	10	6	9	5	7
13. General health/safety/environmental concerns	4	10	5	7	3	4
14. Illegal dumping	4	10	5	7	2	3
15. Loss of farm	3	8	7	10	1	1

APPENDIX 4

TABLE 4 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
16. Economic concerns (i.e. loss of business/ old age security)	3	8	4	6	3	4
17. Compensation for impacts	0	0	1	1	0	0
18. General traffic concerns	16	40	22	32	11	15
19. Increased truck traffic	6	15	15	22	15	21
20. Conflict with farm machinery	1	3	1	1	0	0
21. Conflict with school buses	0	0	0	0	2	3
22. Damage to roads	1	3	0	0	0	0
23. Safety to pedestrians	1	3	0	0	0	0
24. Expropriation/relocation problems	2	5	7	10	6	8
25. Locate dump elsewhere	1	3	3	4	6	8
26. Don't trust Region/politicial decision	1	3	4	6	2	3
27. Process unfair	2	5	3	4	2	3
28. Would leave area	0	0	3	4	1	1
29. No concerns	0	0	3	4	3	4
30. Other	0	0	3	4	1	1
31. Not specific	0	0	1	1	0	0
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	

APPENDIX 4

TABLE 5: STUDY AREA: PRIMARY IMPACT ZONE — SOCIAL PROFILE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS
DESCRIPTOR: SATISFACTION WITH PLACE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
How satisfied were you with this area as a place to live?						
Very Dissatisfied	0	0	1	1	1	1
2	0	0	0	0	2	3
3	0	0	0	0	3	4
4	2	5	2	3	3	4
Very Satisfied	38	95	66	96	63	88
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	
What were the three most important characteristics you liked about this area?						
1. Peace and Quiet	22	58	33	48	41	57
2. Accessibility	18	47	41	59	32	44
3. Way of Life	18	47	30	44	40	56
4. Friendly/Helpful Neighbours	12	32	18	26	12	17
5. Aesthetic Value	9	24	11	16	12	17
6. Open Space	8	21	17	26	25	35
7. Clean Air/Environment	4	11	11	16	27	38
8. Large Properties	3	8	2	3	5	7
9. Close to Friends	3	8	6	9	4	6
10. Values of the Community	2	5	2	3	0	0
11. Good Place to Raise Children	1	3	4	6	5	7
12. Business Opportunities/Good Farming	1	3	6	9	2	3
13. Economically Feasible/Low Cost of Living	1	3	0	0	0	0
14. Recreation and Leisure Opportunities	1	3	3	4	0	0
15. Other	2	5	10	15	3	4
Respondents	38		69		72	
Sample Size	40		69		72	
No Response	2		0		0	

APPENDIX 4

TABLE 5 (cont'd)	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Which of these characteristics do you like most about this area?						
1. Good Place to Raise Children	17	43	32	46	31	43
2. Friendly People	18	45	32	46	32	44
3. Attractive Area	20	50	31	45	35	49
4. Large Properties	18	45	27	39	31	43
5. Open Space	23	58	38	55	37	51
6. Peace and Quiet	22	55	36	52	33	46
7. Safety	16	40	28	41	25	35
8. Pace of Life	14	35	28	41	29	40
9. Values of the Community	15	38	27	39	28	39
10. Accessibility to Work, School, etc.	19	48	34	49	31	43
11. Accessibility to Friends	14	35	27	39	31	43
12. Way of Life	20	50	32	46	32	44
13. Clean Air	20	50	33	48	35	49
14. Traffic	14	35	22	32	20	28
15. Quality of Schools	10	25	21	30	32	44
16. Cooperation Among Neighbours	16	40	27	39	34	47
17. Absence of Industrial Development	17	43	26	38	21	29
18. All of the Above	17	43	30	44	32	44
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	

APPENDIX 4

TABLE 5 (cont'd)	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
How do you rate the quality of fire protection in this community?						
Very Good	12	30	24	35	18	25
Good	11	28	22	32	26	37
Adequate	6	15	12	17	9	13
Poor	0	0	1	1	3	4
Very Poor	1	3	0	0	0	0
Don't Know/No Opinion	10	25	10	15	15	21
Respondents	40		69		71	
Sample Size	40		69		72	
No Response	0		0		1	
How do you rate the quality of schools in this community?						
Very Good	15	38	31	46	25	36
Good	14	35	23	34	32	46
Adequate	1	3	5	8	2	3
Poor	0	0	0	0	0	0
Very Poor	0	0	0	0	1	1
Don't Know/No Opinion	10	25	8	12	10	14
Respondents	40		67		70	
Sample Size	40		69		72	
No Response	0		2		2	
How do you rate the quality of recreational facilities and services in this community?						
Very Good	10	25	24	35	24	34
Good	15	38	24	35	25	35
Adequate	7	18	11	16	7	10
Poor	2	5	4	6	5	7
Very Poor	2	5	0	0	3	4
Don't Know/No Opinion	4	10	6	9	7	10
Respondents	40		69		71	
Sample Size	40		69		72	
No Response	0		0		1	

APPENDIX 4

TABLE 5 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
How do you rate the quality of medical and health facilities in this community?						
Very Good	12	31	24	35	13	18
Good	14	36	26	38	29	41
Adequate	8	21	8	12	6	9
Poor	3	8	7	10	11	16
Very Poor	1	3	1	2	5	7
Don't Know/No Opinion	1	3	2	3	7	10
Respondents	39		68		71	
Sample Size	40		69		72	
No Response	1		1		1	
How do you rate the quality of shopping facilities for daily needs in this community?						
Very Good	19	49	31	46	29	41
Good	15	39	30	44	27	38
Adequate	4	10	5	7	4	6
Poor	0	0	1	2	6	8
Very Poor	1	3	0	0	2	3
Don't Know/No Opinion	0	0	1	2	3	4
Respondents	39		68		71	
Sample Size	40		69		72	
No Response	1		1		1	

APPENDIX 4

TABLE 5 (cont'd)	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
How do you rate the maintenance of roads in this community?						
Very Good	11	28	16	24	10	14
Good	8	21	18	27	27	38
Adequate	16	41	16	24	14	20
Poor	3	8	11	16	11	16
Very Poor	1	3	7	10	9	13
Don't Know/No Opinion	0	0	0	0	0	0
Respondents	39		68		71	
Sample Size	40		69		72	
No Response	1		1		1	
Assuming the landfill will not be located here, if you had to relocate, would you stay in this community?						
Yes	31	82	55	83	50	69
No	4	11	7	11	17	24
Don't Know	3	8	4	6	5	7
Respondents	38		66		72	
Sample Size	40		69		72	
No Response	2		3		0	
How often do you visit with neighbours?						
Never	0	0	2	3	4	6
Seldom (once a year)	3	8	7	10	15	21
Sometimes (1-2 times a month)	11	28	21	30	18	25
Often (1-2 times a week)	16	40	21	30	25	35
Very Often (daily)	10	25	18	26	9	13
Respondents	40		69		71	
Sample Size	40		69		72	
No Response	0		0		1	

APPENDIX 4

TABLE 5 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Do you find any of the following characteristics to be a problem in this area?						
1. None of 2 - 9	17	46	29	42	28	39
2. Lack of Political Influence	16	40	21	30	20	28
3. Traffic	6	15	11	16	20	28
4. Water Quality	4	10	8	12	6	9
5. Noise	2	5	2	3	10	14
6. Odours	2	5	8	12	3	4
7. Dust	1	3	3	4	6	9
8. Lack of Upkeep of Neighbouring Properties	1	3	1	1	3	4
9. Accessibility to Places You Want to Go	0	0	1	1	2	3
10. Other	2	5	4	6	10	14
11. Unclear	0	0	0	0	2	3
Respondents	40		69		71	
Sample Size	40		69		72	
No Response	0		0		1	
How do you rate the quality of police protection in this community?						
Very Good	11	28	24	35	22	31
Good	16	40	26	38	25	35
Adequate	6	15	13	19	12	17
Poor	2	5	0	0	2	3
Very Poor	0	0	2	3	0	0
Don't Know/No Opinion	5	13	4	6	10	14
Respondents	40		69		71	
Sample Size	40		69		72	
No Response	0		0		1	

APPENDIX 4

TABLE 5 (cont'd)	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
How often do you help a neighbour or ask for help from a neighbour?						
Never	0	0	3	4	7	10
Seldom (once a year)	5	13	8	12	13	18
Sometimes (1-2 times a month)	9	23	19	28	27	38
Often (1-2 times a week)	16	41	24	35	20	28
Very Often (daily)	9	23	15	22	4	6
No Response	39		69		71	
Sample Size	40		69		72	
No Response	1		0		1	
Is any member of your household an active member of a community group or association within the Region of Peel?						
Yes	26	65	42	61	27	38
No	14	35	27	39	44	61
Don't Know	0	0	0	0	1	1
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	

APPENDIX 4

TABLE 5 (cont'd)	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
If yes, please indicate the type of community group.						
Agricultural Group	13	50	26	62	4	15
Church Group	11	42	26	62	18	67
Service Club	8	31	16	38	6	22
Sports and/or Recreation Club	15	58	22	52	12	44
Social Club	4	15	10	24	6	22
Political Organization	4	15	3	7	0	0
Ratepayer/Community Group	7	27	6	14	3	11
Naturalist/Environmental Group	1	4	0	0	1	4
Group Opposed to Landfill	5	19	7	17	1	4
Professional Group/Board	3	12	4	10	1	4
School Group	2	8	2	5	1	4
Unstructured Volunteer	1	4	2	5	1	4
Charitable Organization	1	4	0	0	0	0
Cultural Group	0	0	1	2	1	4
Respondents	26		42		27	
Sample Size	26		42		27	
No Response	0		0		0	

APPENDIX 4

TABLE 6: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS
DESCRIPTOR: ANCESTRAL TIES

SOCIAL PROFILE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Was this property owned by another member of your family before you moved here?						
Yes	7	18	17	25	13	18
No	33	83	52	75	59	82
Respondents	40		69		72	
Sample	40		69		72	
No Response	0		0		0	

	AREA I	AREA II	AREA VI
	#	#	#
If yes, how many years has property been in family?			
0-10 Years	0	0	1
11-20 Years	0	3	3
21-30 Years	1	2	3
31 -40 Years	1	2	2
41-50 Years	0	0	0
51-60 Years	0	0	1
61-70 Years	0	1	0
71-80 Years	0	0	2
81-90 Years	0	0	0
91-100 Years	0	1	0
> 100 Years	5	6	1
Respondents	7	15	13
Sample Size	7	17	13
No Response	0	2	0

APPENDIX 4

TABLE 7 : STUDY AREA: PRIMARY IMPACT ZONE (BY AREA) SOCIAL PROFILE
LEVEL OF ANALYSIS: IMPACT ON COMMUNITY
DESCRIPTOR: EXISTING COMMUNITY COHESION

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Of your three closest friends, how many live in this community?						
One	5	13	11	16	7	10
Two	9	23	13	19	8	11
Three	13	33	30	44	35	49
None	12	30	15	22	22	31
Not Specific	1	3	0	0	0	0
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	
Do you have any other relatives living in this community?						
Yes	18	45	32	46	18	25
No	22	55	37	54	54	75
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	
How many years have you lived at this address?						
Less than 3 Years	10	25	16	23	14	20
3 - 5 Years	4	10	5	7	5	7
6 - 10 Years	12	30	17	25	14	20
11 - 15 Years	4	10	10	15	17	24
16 - 20 Years	2	5	7	10	7	10
Greater than 20 Years	8	20	14	20	14	20
Respondents	40		69		71	
Sample Size	40		69		72	
No Response	0		0		1	

APPENDIX 4

TABLE 7 (cont'd)	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Member of household at this address longest.						
Less than 3 Years	10	25	16	23	12	17
3 - 5 Years	4	10	5	7	5	7
6 - 10 Years	12	30	17	25	15	21
11 - 15 Years	4	10	10	15	17	24
16 - 20 Years	2	5	6	9	7	10
Greater than 20 Years	8	20	15	22	16	22
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	
How many years have you lived in this community?						
Less Than 3 Years	7	18	11	15	12	18
3 - 5 Years	3	8	4	6	5	7
6 - 10 Years	8	20	15	22	13	19
11 - 15 Years	3	8	7	10	12	18
16 - 20 Years	2	5	9	13	8	12
Greater than 20 Years	17	43	23	33	18	27
Respondents	40		69		68	
Sample Size	40		69		72	
No Response	0		0		4	
Longest household member in community.						
Less than 3 Years	8	20	13	19	11	16
3 - 5 Years	3	8	4	6	5	7
6 - 10 Years	8	20	15	22	13	19
11 - 15 Years	2	5	7	10	14	20
16 - 20 Years	2	5	6	9	6	9
More than 20 Years	16	40	23	33	21	30
Not Specific	1	3	1	1	0	0
Respondents	40		69		70	
Sample Size	40		69		72	
No Response	0		0		2	

APPENDIX 4

TABLE 7 (cont'd)	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
Do you have children attending school?						
Yes	21	53	37	54	37	51
No	19	48	33	46	35	49
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	
Which schools do they attend?						
Mayfield Secondary	6		14		10	
Alloa Public School	11		24		0	
Our Lady Fatima	1		2		0	
Other in Areas I and II	8		3		1	
Other in VI	0		0		1	
Outside Schools	1		10		32	
St. Josephs	2		0		0	
Northwood Public School	0		0		6	
Respondents	21		37		36	
Sample Size	21		37		37	
No Response	0		0		1	
Do members of your household attend church services?						
Regularly	21	53	41	60	35	49
Occasionally	12	30	15	22	25	35
Never	7	18	11	16	12	17
Unclear	0	0	1	8	0	0
Respondents	40		68		72	
Sample Size	40		69		72	
No Response	0		1		0	

APPENDIX 4

TABLE 7 (cont'd)	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Where do you go for convenience goods?						
Area VI Study Area	1	3	1	2	47	67
Areas I and II Study Area	4	10	1	6	0	0
Within Community Boundary Area VI	0	0	0	0	0	0
Within Community Boundary Areas I and II	6	15	23	35	0	0
Outside Community Boundaries	27	69	37	56	21	30
Friends/Relatives/Self	0	0	0	0	1	1
Not Specific	1	3	1	2	1	1
Respondents	39		66		70	
Sample Size	40		69		72	
No Responses	0		3		2	
Where do you go for gasoline?						
Area VI Study Area	0	0	0	0	46	66
Areas I and II Study Area	0	0	0	0	0	0
Within Community Boundary Area VI	0	0	0	0	0	0
Within Community Boundary Areas I and II	6	15	32	47	2	3
Outside Community Boundaries	30	75	32	47	16	23
Friends/Relatives/Self	0	0	0	0	0	0
Not Specific	4	10	4	6	5	7
Respondents	40		68		70	
Sample Size	40		69		72	
No Response	0		1		2	
Where do you go for auto repairs?						
Area VI Study Area	0	0	1	2	6	9
Areas I and II Study Area	1	3	1	2	0	0
Within Community Boundary Area VI	0	0	0	0	3	5
Within Community Boundary Areas I and II	1	3	6	9	0	0
Outside Community Boundaries	30	75	39	59	49	73
Friends/Relatives/Self	5	13	13	20	9	13
Not Specific	3	8	6	9	0	0
Respondents	40		66		67	
Sample Size	40		69		72	
No Response	0		3		5	

APPENDIX 4

TABLE 7 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Where do you go to the doctor?						
Area VI Study Area	0	0	0	0	0	0
Areas I and II Study Area	0	0	0	0	0	0
Within Community Boundary Area VI	0	0	0	0	0	0
Within Community Boundary Areas I and II	2	5	2	3	0	0
Outside Community Boundaries	38	95	64	96	70	100
Friends/Relatives/Self	0	0	0	0	0	0
Not Specific	0	0	1	2	0	0
Respondents	40		67		70	
Sample Size	40		69		72	
No Response	0		2		2	
Where do you go to the dentist?						
Area VI Study Area	0	0	0	0	0	0
Areas I and II Study Area	0	0	0	0	0	0
Within Community Boundary Area VI	0	0	0	0	0	0
Within Community Boundary Areas I and II	1	3	1	2	0	0
Outside Community Boundaries	35	92	63	93	64	97
Friends/Relatives/Self	0	0	0	0	0	0
Not Specific	2	5	4	6	2	3
Respondents	38		68		66	
Sample Size	40		69		72	
No Response	2		1		6	

APPENDIX 4

TABLE 7 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Which church do you attend?						
Home United	4	12	13	23	1	2
Salem United	0	0	0	0	9	16
Bramalea Christian	1	12	0	0	4	7
Church of Jesus Christ Latter Day Saints	1	3	1	2	0	0
Jehovah's Witnesses Assembly Hall	0	0	1	2	0	0
Other in Peel	7	21	20	36	1	2
Other in Norval	16	49	12	21	5	9
Unspecified Location Outside Community	4	12	9	16	33	58
Unclear	0	0	1	2	0	0
Other in Area VI	0	0	0	0	1	2
Other in Areas I and II	0	0	0	0	1	2
Not Specific	1	12	0	0	0	0
Respondents	33		56		57	
Sample Size	33		57		60	
No Response	0		1		3	
Where do you go for groceries?						
Area VI Study Area	0	0	0	0	0	0
Areas I and II Study Area	0	0	3	2	15	21
Within Community Boundary Area VI	2	5	0	0	0	0
Within Community Boundary Areas I and II	0	0	15	22	1	1
Outside Community Boundaries	38	95	52	75	52	73
Friends/Relatives/Self	0	0	0	0	1	1
Not Specific	0	0	0	0	2	3
Respondents	40		69		71	
Sample Size	40		69		71	
No Response	0		0		0	

APPENDIX 4

TABLE 7 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Where do you go for drug store supplies?						
Area VI Study Area	0	0	0	0	0	0
Areas I and II Study Area	0	0	0	0	0	0
Within Community Boundary Area VI	0	0	0	0	0	0
Within Community Boundary Areas I and II	0	0	9	13	0	0
Outside Community Boundaries	37	93	54	81	68	97
Friends/Relatives/Self	0	0	0	0	0	0
Not Specific	3	8	4	6	2	3
Respondents	40		67		70	
Sample Size	40		69		72	
No Response	0		2		2	
Where do you go to the Library?						
Area VI Study Area	0	0	0	0	0	0
Areas I and II Study Area	0	0	0	0	0	0
Within Community Boundary Area VI	0	0	0	0	0	0
Within Community Boundary Areas I and II	2	5	2	3	0	0
Outside Community Boundaries	34	92	58	92	50	98
Friends/Relatives/Self	0	0	0	0	1	2
Not Specific	1	3	3	5	0	0
Respondents	37		63		51	
Sample Size	40		69		72	
No Response	3		6		21	
Where do you go for recreation facilities?						
Area VI Study Area	2	5	4	6	23	44
Within Areas I and II Study Area	0	0	2	3	0	0
Within Community Boundary Area VI	0	0	0	0	0	0
Within Community Boundary Areas I and II	5	13	5	8	3	6
Outside Community Boundaries	28	74	51	77	15	29
Friends/Relatives/Self	2	5	2	3	1	2
Not Specific	1	3	2	3	1	2
Respondents	38		66		52	
Sample Size	40		69		72	
No Response	2		3		20	

APPENDIX 4

TABLE 8: STUDY AREA - PRIMARY IMPACT ZONE (ON-SITE) IMPACT ANALYSIS: FACILITY
LEVEL OF ANALYSIS: IMPACTS ON RESIDENTS
FACTOR: DISPLACEMENT

	AREA I				AREA II								AREA VI			
	IB		IC		IIB		IIC		IIE		IIF		VIA		VIB	
Population[1]	14		10		47		41		10		14		26		46	
No. of Households	4		3		14		12		3		4		7		13	
No. of Households Interviewed	1		1		12		11		2		0		6		8	
Characteristics of Those Displaced	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Children 0-4 years	0	0	0	0	2	5	2	5	0	0	0	0	1	4	3	8
Children 5-14 years	0	0	0	0	8	19	7	18	0	0	0	0	5	21	5	15
Residents 65 and over	0	0	0	0	4	9	4	11	3	60	0	0	1	4	3	8
Number of Farm[1] Households	1		2		3		3		0		2		1		4	
Number of Farm Households Interviewed	0	0	0	0	3	100	3	100	0	0	0	0	1	100	2	50
Property Owned	1	100	0	0	9	75	8	73	2	100	0	0	3	50	7	88
Property Rented	0	0	1	100	3	25	3	27	0	0	0	0	3	50	1	13

1. Source: Region of Peel Land-Use Data (1986).

APPENDIX 4

TABLE 8 (cont'd)

Attachment to Place of Those Displaced	AREA I				AREA II								AREA VI			
	IB		IC		IIB		IIC		IIE		IIF		VIA		VIB	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
How many years have you lived at this address?																
Less than 1 year	0	0	0	0	0	0	0	0	0	0	0	0	1	18	0	0
1-2 years	0	0	0	0	1	8	1	9	0	0	0	0	0	0	1	13
3-5 years	0	0	1	100	1	8	0	0	0	0	0	0	2	33	3	38
6-10 years	0	0	0	0	3	25	3	27	1	50	0	0	0	0	0	0
11-15 years	1	100	0	0	3	25	4	36	0	0	0	0	0	0	3	38
16-20 years	0	0	0	0	0	0	0	0	0	0	0	0	1	17	0	0
More than 20 years	0	0	0	0	3	25	1	9	1	50	0	0	2	33	0	0
Always	0	0	0	0	1	8	2	18	0	0	0	0	0	0	1	13
Respondents	1		1		12		11		2		0		6		8	
Sample Size	1		1		12		11		2		0		6		8	
No Response	0		0		0		0		0		0		0		0	
How many years is the longest stay of any household member at this address?																
Less than 1 year	0	0	0	0	0	0	1	9	0	0	0	0	1	17	2	25
1-2 years	0	0	0	0	1	8	0	0	0	0	0	0	0	0	1	13
3-5 years	0	0	1	100	1	8	0	0	0	0	0	0	2	33	0	0
6-10 years	0	0	0	0	3	25	3	27	1	50	0	0	0	0	0	0
11-15 years	1	100	0	0	3	25	4	36	0	0	0	0	0	0	3	34
16-20 years	0	0	0	0	0	0	0	0	0	0	0	0	1	17	0	0
More than 20 years	0	0	0	0	4	33	3	27	1	50	0	0	2	33	2	25
Always	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Respondents	1		1		12		11		2		0		6		8	
Sample Size	1		0		12		11		2		0		6		8	
No Response	0		0		0		0		0		0		0		0	

APPENDIX 4

TABLE 8 (cont'd)

Characteristics of Those Displaced	AREA I				AREA II								AREA VI			
	IB		IC		IIB		IIC		IIE		IIF		VIA		VIB	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
How long have you lived in this community?																
Less than one year	0	0	0	0	0	0	0	0	0	0	0	0	1	17	1	13
1-2 years	0	0	0	0	0	0	1	9	0	0	0	0	0	0	2	25
3-5 years	0	0	0	0	1	8	0	0	0	0	0	0	2	33	0	0
6-10 years	0	0	0	0	3	25	2	18	1	50	0	0	0	0	0	0
11-15 years	0	0	0	0	2	17	3	27	0	0	0	0	0	0	2	25
16-20 years	0	0	0	0	1	8	1	9	0	0	0	0	1	16	1	13
More than 20 years	1	100	0	0	1	8	0	0	1	50	0	0	2	33	1	13
Always	0	0	1	100	4	33	4	36	0	0	0	0	0	0	0	0
Respondents	1		1		12		11		2		0		6		7	
Sample Size	1		1		12		11		2		0		6		8	
No Response	0		0		0		0		0		0		0		1	
How long is the longest stay of any household member in the community?																
Less than one year	0	0	0	0	0	0	1	9	0	0	0	0	1	17	2	25
1-2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13
3-5 years	0	0	0	0	1	8	0	0	0	0	0	0	2	33	0	0
6-10 years	0	0	0	0	4	33	3	27	1	50	0	0	0	0	0	0
11-15 years	0	0	0	0	2	17	3	27	0	0	0	0	0	0	3	38
16-20 years	0	0	0	0	0	0	0	0	0	0	0	0	1	17	0	0
More than 20 years	1	100	0	0	5	42	4	36	1	50	0	0	2	33	2	25
Always	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Respondents	1		0		12		11		2		0		6		8	
Sample Size	1		1		12		11		2		0		6		8	
No Response	0		1		0		0		0		0		0		0	

APPENDIX 4

TABLE 8 (cont'd)

Characteristics of Those Displaced	AREA I IB #	IB %	IC #	IC %	AREA II IIB #	IIB %	IIC #	IIC %	IIE #	IIE %	IIF #	IIF %	AREA VI VIA #	VIA %	VIB #	VIB %
Was the property owned by another member of your family before you moved here?																
Yes	0	0	1	100	4	33	3	27	1	50	0	0	1	17	2	25
No	1	100	0	0	8	67	8	73	1	50	0	0	5	83	6	75
Respondents	1		1		12		11		2		0		6		8	
Sample Size	1		1		12		11		2		0		6		8	
No Response	0		0		0		0		0		0		0		0	
If yes, how many years has property been in family?																
0-10 Years															2	100
11-20 Years					1	33	1	33								
21-30 Years							1	33					1	100		
31-40 Years																
41-50 Years																
51-60 Years																
61-70 Years																
71-80 Years																
81-90 Years																
91-100 Years					1	33										
> 100 Years			1	100			1	100	1	100						
Respondents	0		1		3		3		1		0		1		2	
Sample Size	0		1		4		3		1		0		1		2	
No Response	0		0		1		0		0		0		0		0	

APPENDIX 4

TABLE 8 (cont'd)

Characteristics of Those Displaced	AREA I				AREA II								AREA VI			
	IB		IC		IIB		IIC		IIE		IIF		VIA		VIB	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Of your three closest friends, how many live in this community?[1]																
One	0	0	0	0	2	17	2	18	0	0	0	0	0	0	0	0
Two	0	0	1	100	1	8	3	27	1	50	0	0	2	33	2	25
Three	1	100	0	0	7	58	5	45	0	0	0	0	0	0	3	38
None	0	0	0	0	2	17	1	9	1	50	0	0	4	67	3	38
Respondents	1		1		12		11		2		0		6		8	
Sample Size	1		1		12		11		2		0		6		8	
No Response	0		0		0		0		0		0		0		0	
Do you have relatives living in this community other than those in this household?																
Yes	1	100	1	100	6	50	4	36	2	100	0	0	0	0	3	38
No	0	0	0	0	6	50	7	64	0	0	0	0	6	100	5	63
Respondents	1		1		12		11		2		0		6		8	
Sample Size	1		1		12		11		2		0		6		8	
No Response	0		0		0		0		0		0		0		0	

APPENDIX 4

TABLE 9: STUDY AREA: PRIMARY IMPACT ZONE (0-500M) IMPACT ANALYSIS: FACILITY
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS
FACTOR: DISRUPTION OF DAY-TO-DAY ACTIVITIES AND/OR USE AND ENJOYMENT OF PROPERTY

	AREA I		AREA II				AREA VI	
	IB	IC	IIB	IIC	IIE	IIF	VIA	VIB
Number of Households[1]	19	18	17	17	2	2	28	28
Number of Residents[1]	65	61	58	58	7	6	101	101
Resident Characteristics								
Population 0-4 Years	6	3	1	2	4	4	1	2
Population 65 Years or Over	3	2	4	4	6	8	4	4
Is your house or property used for any business activity other than farming?								
Number of Farm Households[1]	10	7	7	7	10	7	10	6
Farm Households Surveyed	3	2	1	2	4	4	3	2
Agribusiness	2	2	0	0	0	0	0	2
Other Business	1	1	2	3	4	4	2	2

1. Source: Region of Peel Land - Use Data (1986).

APPENDIX 4

TABLE 9 (cont'd)

	AREA I		AREA II				AREA VI	
	IB	IC	IIB	IIC	IIE	IIF	VIA	VIB
Do you or other members of your household currently use your property for any of the following outdoor social and recreational activities?								
1. Swimming	3	2	2	4	7	5	1	6
2. Gardening	10	9	11	10	17	16	12	13
3. Entertaining Friends/ Relatives	10	9	11	12	18	18	12	14
4. Snowmobiling/ATV	1	2	6	4	8	8	4	8
5. Cross-Country Skiing	2	3	6	8	8	8	6	9
6. Family Barbeques	8	8	11	12	16	16	12	12
7. Children's Activities	9	7	9	11	15	14	11	9
8. Hunting	0	0	0	0	1	1	1	2
9. Fishing	0	1	0	1	1	2	4	4
10. Hobby Farming	1	1	0	0	*0	0	0	0
11. Leisure/Relaxation/ Enjoying Nature	1	3	1	0	1	1	1	0
12. Other Sports	1	0	0	1	0	1	0	0
13. Other	1	2	0	1	0	1	0	1
Respondents	10	9	12	12	18	18	13	15
Sample Size	10	9	12	12	18	18	13	16
No Response	0	0	0	0	0	0	0	1

APPENDIX 4

TABLE 10: STUDY AREA: PRIMARY IMPACT ZONE (500-1,000M) IMPACT ANALYSIS: FACILITY
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS
FACTOR: DISRUPTION OF DAY-TO-DAY ACTIVITIES AND/OR USE AND ENJOYMENT OF PROPERTY

	AREA I		AREA II			AREA VI		
	IB	IC	IIB	IIC	IIE	IIF	VIA	VIB
Number of Households[1]	38	42	61	46	49	36	56	50
Number of Residents[1]	129	142	208	156	166	156	202	180
Resident Characteristics								
Population 0-4 Years	9	12	10	7	6	6	9	8
Population 65 Years or Over	3	5	4	6	2	5	9	6
Is your house or property used for any business Activity other than farming?								
Actual Farm Households[1]	11	11	17	15	16	16	10	6
Farm Households Surveyed	7	4	5	6	4	5	7	6
Agribusinesses	3	0	10	1	1	1	1	4
Other Businesses	2	1	3	0	1	0	2	3

1. Source: Region of Peel Land - Use Data (1986).

APPENDIX 4

TABLE 10 (cont'd)

	AREA I		AREA II			AREA VI		
	IB	IC	IIB	IIC	IIE	IIF	VIA	VIB
Do you or other members of your household currently use your property for any of the following outdoor social and recreational activities?								
1. Swimming	7	5	14	13	7	8	6	5
2. Gardening	24	19	29	24	18	23	26	28
3. Entertaining Friends/ Relatives	26	20	30	25	20	24	32	30
4. Snowmobiling/ATV	7	4	7	9	6	7	16	11
5. Cross-Country Skiing	12	8	10	12	4	6	8	12
6. Family Barbeques	25	19	29	24	20	23	29	28
7. Children's Activities	21	19	27	23	19	23	23	28
8. Hunting	0	1	1	3	0	1	2	3
9. Fishing	1	1	1	3	1	1	6	5
10. Leisure/Relaxation/ Enjoying Nature	4	0	1	4	3	5	6	5
11. Other Sports	0	3	4	1	2	1	0	2
12. Other	5	3	5	4	3	3	1	1
Respondents	26	20	32	26	20	24	31	31
Sample Size	26	20	32	26	20	24	33	32
No Response	0	0	0	0	0	0	2	1

APPENDIX

TABLE 11: STUDY AREA: PRIMARY IMPACT ZONE (0-1,000M COMBINED) IMPACT ANALYSIS: FACILITY
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS
FACTOR: DISRUPTION OF DAY-TO-DAY ACTIVITIES AND/OR USE AND ENJOYMENT OF PROPERTY

	AREA I		AREA II				AREA VI	
	IB	IC	IIB	IIC	IIE	IIF	VIA	VIB
Number of Households[1]	57	60	78	63	72	56	84	78
Number of Residents[1]	194	203	266	214	244	224	303	281
Resident Characteristics								
Population 0-4 Years	15	15	11	9	10	10	10	10
Population 65 Years or Over	6	7	8	10	8	13	13	10
Is your house or property used for any business activity other than family?								
Actual Farm Households[1]	21	18	4	22	26	23	20	12
Farm Households Surveyed	10	6	6	8	8	9	10	8
Agribusinesses	5	0	0	1	1	1	1	6
Other Businesses	3	1	5	3	5	4	4	5

1. Source: Region of Peel Land - Use Data (1986)

APPENDIX 4

TABLE 11 (cont'd)

	AREA I						AREA II								AREA VI			
	IB		IC		IIB		IIC		IIE		IIF		VIA		VIB			
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%		
Do you or other members of your household currently use your property for any of the following outdoor social and recreational activities?																		
1. Swimming	10	28	7	24	16	36	17	45	14	37	13	31	7	16	11	24		
2. Gardening	34	94	28	97	40	91	34	90	35	92	39	93	38	87	41	89		
3. Entertaining Friends/ Relatives	36	100	29	100	41	93	37	97	38	100	42	100	44	100	44	96		
4. Snowmobiling/ATV	8	22	6	21	13	30	13	34	14	37	15	36	20	46	19	41		
5. Cross-Country Skiing	14	39	11	38	16	36	18	47	12	32	14	33	14	32	21	46		
6. Family Barbeques	33	92	27	93	40	91	36	95	36	95	39	93	41	93	40	87		
7. Children's Activities	30	83	25	90	36	82	34	90	34	90	38	88	34	77	37	80		
8. Hunting	0	0	0	0	1	2	3	8	1	3	2	5	3	7	5	11		
9. Fishing	1	3	4	14	1	2	4	11	2	5	3	7	10	23	9	20		
10. Hobby Farming	1	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0		
11. Leisure/Relaxation/ Enjoying Nature	5	14	3	10	2	5	4	11	4	10	6	14	7	16	5	11		
12. Other Sports	1	3	3	10	4	9	2	5	2	5	2	5	0	0	2	4		
13. Other	2	6	5	17	5	11	5	13	3	8	4	10	1	2	1	2		
Respondents	36		29		44		38		38		42		44		46			
Sample Size	36		29		44		38		38		42		46		48			
No Response	0		0		0		0		0		0		2		2			

APPENDIX 4

TABLE 12: STUDY AREA: PRIMARY IMPACT ZONE (BY AREA) IMPACT ANALYSIS: FACILITY

LEVEL OF ANALYSIS: IMPACT ON RESIDENTS
FACTOR: DISRUPTION OF DAY-TO-DAY ACTIVITIES AND/OR USE AND ENJOYMENT OF PROPERTY

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Do you think your household would be affected by any of the following possible landfill effects?						
1. Noise from landfilling operations.						
Yes	32	80	61	88	61	86
No	5	13	5	7	8	11
Don't Know	3	8	3	4	2	3
Respondents	40		69		71	
Sample Size	40		69		72	
No Response	0		0		1	
2. Odours from the landfill.						
Yes	37	93	64	93	65	92
No	0	0	2	2	4	6
Don't Know	3	8	3	4	2	3
Respondents	40		69		71	
Sample Size	40		69		72	
No Response	0		0		1	
3. Dust from landfill operations.						
Yes	35	88	61	88	61	86
No	4	10	6	9	8	11
Don't Know	1	3	2	3	2	3
Respondents	40		69		71	
Sample Size	40		69		72	
No Response	0		0		1	

APPENDIX 4

TABLE 12 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
4. Garbage truck traffic on regional roads.						
Yes	33	85	63	93	63	89
No	6	15	5	7	6	9
Don't Know	0	0	0	0	2	3
Respondents	39		68		71	
Sample Size	40		69		72	
No Response	1		1		1	
5. Being able to see the landfill.						
Yes	26	67	54	79	51	73
No	10	26	13	19	15	21
Don't Know	3	8	1	2	4	6
Respondents	39		68		70	
Sample Size	40		69		72	
No Response	1		1		2	
6. Birds and rodents attracted to the landfill.						
Yes	37	93	65	94	62	87
No	2	5	4	6	6	9
Don't Know	1	3	0	0	3	4
Respondents	40		69		70	
Sample Size	40		69		72	
No Response	0		0		2	
7. Blowing litter from the landfill and trucks.						
Yes	37	93	65	94	61	87
No	3	8	4	6	7	10
Don't Know	0	0	0	0	2	3
Respondents	40		69		70	
Sample Size	40		69		72	
No Response	0		0		2	

APPENDIX 4

TABLE 12 (cont'd)

If yes, how would your household or farm be affected by dust from landfill operations?	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
More frequent/extensive maintenance to house/property	13	41	19	35	10	19
Disruption/interference/nuisance/stress/ ? response	9	28	8	15	14	26
Increased health problems/concerns	4	13	13	24	9	17
Close Windows/seal house	5	16	10	19	12	23
Remain indoors/curtail outdoor activities	7	22	12	22	10	19
Purchase air purifier/air conditioner	3	9	4	7	3	6
May move	0	0	1	2	2	4
Increase road safety concerns - accident risk	1	3	1	2	0	0
Change in rural setting/aesthetics	1	3	0	0	0	0
Increased landscaping/screening	1	3	0	0	1	2
Lower farm production/market	1	3	2	4	2	4
Damage/ruin/spoil property and/or house	3	9	4	7	1	2
Children safety concerns	1	3	1	2	1	2
Will sell/already sold	1	3	2	4	0	0
Other	0	0	0	0	1	2
Not specific/unclear	3	9	7	13	2	4
Respondents	32		54		53	
Sample Size	35		61		61	
No Response	3		7		8	

APPENDIX 4

TABLE 12 (cont'd)

If yes, how would your household or farm be affected by birds and rodents attracted to the landfill?	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
Increased health problems/concerns	8	24	17	28	7	13
Disruption/interference/nuisance/stress/response	7	21	9	15	17	32
More frequent/extensive maintenance to house/property	9	27	11	18	9	17
Monitor farm animal health	4	12	13	22	0	0
Close Windows/odours/seal house	0	0	0	0	4	8
Remain indoors/curtail outdoor activities	1	3	3	5	4	8
May move	1	3	2	3	5	9
Increase road safety concerns - accident risk	1	3	1	2	0	0
Change in rural setting/aesthetics	1	3	3	5	2	4
Increased landscaping/screening	2	6	1	2	1	2
Lower farm production/market	4	12	6	10	1	2
Damage/ruin/spoil property and/or house	2	6	6	10	5	9
Children safety concerns	2	6	3	5	2	4
Change in lifestyle/standard of living	0	0	0	0	1	2
Will sell/already sold	1	3	2	3	0	0
Other	5	15	5	8	1	2
Not specific/unclear	5	15	7	12	7	13
Respondents	34		60		53	
Sample Size	37		65		62	
No Response	3		5		9	

APPENDIX 4

TABLE 12 (cont'd)

If yes, how would your household or farm be affected by noise from landfilling operations?	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
1. Disruption/interference/nuisance/stress	13	45	26	46	29	52
2. Close Windows/odours/seal house	7	24	12	21	11	20
3. Remain indoors/curtail outdoor activities	6	21	13	23	10	18
4. Purchase air purifier/air conditioner	2	7	2	4	2	4
5. May move	1	3	2	4	3	5
6. Increase road safety concerns - accident risk	1	3	1	2	0	0
7. Change in rural setting/aesthetics	1	3	0	0	0	0
8. Increased landscaping/screening	1	3	1	2	0	0
9. Lower farm production/market	3	10	3	5	0	0
10. Increased health problems/concerns	1	3	2	4	4	7
11. Change in lifestyle/standard of living	0	0	1	2	3	5
12. Will sell/already sold	1	3	2	4	1	2
13. Other	0	0	0	0	1	2
14. Not specific/unclear	3	10	5	9	3	5
Respondents	29		56		56	
Sample Size	32		61		61	
No Response	3		5		5	

APPENDIX 4

TABLE 12 (cont'd)

If yes, how would your household or farm be affected by garbage truck traffic on regional roads?	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
1. Increase road safety concerns - accident risk	17	55	23	40	16	29
2. Disruption/interference/nuisance/stress/	11	36	18	31	24	44
3. Close windows/seal house	2	7	1	2	3	6
4. Remain indoors/curtail outdoor activities	3	10	5	9	2	4
5. More frequent/extensive maintenance to house/property	1	3	2	3	0	0
6. Find alternative drinking source	1	3	1	2	0	0
7. May move	0	0	1	2	4	7
8. Curtail/stop road-related activities	1	3	5	9	3	6
9. Change in rural setting/aesthetics	0	0	2	3	1	2
10. Increased landscaping/screening	1	3	1	2	2	4
11. Lower farm production/market	1	3	1	2	0	0
12. Increased health problems/concerns	1	3	5	9	2	4
13. Damage/ruin/spoil property and/or house	2	7	1	2	0	0
14. Children safety concerns	2	7	10	19	2	4
15. Will sell/already sold	1	3	2	3	0	0
16. Other	3	10	3	5	2	4
17. Not specific/unclear	5	16	9	15	3	6
Respondents	31		59		55	
Sample Size	33		63		63	
No Response	2		4		8	

APPENDIX 4

TABLE 12 (cont'd)

If yes, how would your household or farm be affected by noise from landfilling operations?	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
1. Disruption/interference/nuisance/stress/	13	45	26	46	29	52
2. Close Windows/seal house	7	24	12	21	11	20
3. Remain indoors/curtail outdoor activities	6	21	13	23	10	18
4. Purchase air purifier/air conditioner	2	7	2	4	2	4
5. May move	1	3	2	4	3	5
6. Increase road safety concerns - accident risk	1	3	1	2	0	0
7. Change in rural setting/aesthetics	1	3	0	0	0	0
8 Increased landscaping/screening	1	3	1	2	0	0
9. Lower farm production/market	3	10	3	5	0	0
10. Increased health problems/concerns	1	3	2	4	4	7
11. Change in lifestyle/standard of living	0	0	1	2	3	5
12. Will sell/already sold	1	3	2	4	1	2
13. Other	0	0	0	0	1	2
14. Not specific/unclear	3	10	5	9	3	5
Respondents	29		56		56	
Sample Size	32		61		61	
No Response	3		5		5	

APPENDIX 4

TABLE 12 (cont'd)

If yes, how would your household or farm be affected by odours from landfilling operations?	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
1. Remain indoors/curtail outdoor activities	15	44	19	34	18	32
2. Disruption/interference/nuisance/stress/	10	29	12	21	20	35
3. Close Windows/seal house	8	24	14	25	12	21
4. Purchase air purifier/air conditioner	3	9	5	9	2	4
5. Find alternative drinking source	1	3	0	0	0	0
6. May move	0	0	5	9	5	9
7. Change in rural setting/aesthetics	0	0	0	0	1	2
8 Decrease in property value/reduced equity	2	6	1	2	0	4
9. Lower farm production/market	0	0	2	4	1	2
10. Increased health problems/concerns	1	3	6	11	6	11
11. Children safety concerns	1	3	1	2	0	0
12. Change in lifestyle/standard of living	0	0	3	5	1	2
13. Will sell/already sold	1	3	2	4	0	0
14. Other	2	6	2	4	1	2
15. Not specific/unclear	6	15	6	11	4	7
Respondents	34		56		57	
Sample Size	37		64		65	
No Response	3		8		8	

APPENDEX 4

TABLE 12 (cont'd)

If yes, how would your household or farm be affected by being able to see the landfill?	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
1. Disruption/interference/nuisance/stress/	8	33	20	42	19	42
2. Change in rural setting/aesthetics	8	33	16	33	8	18
3. Close Windows/seal house	0	0	1	2	3	7
4. Remain indoors/curtail outdoor activities	4	17	6	13	3	7
5. More frequent/extensive maintenance to house/property	0	0	1	2	0	0
6. May move	0	0	3	6	3	7
7. Increase road safety concerns - accident risk	0	0	1	2	0	0
8. Increased landscaping/screening	3	13	2	4	3	7
9. Decrease in property value/reduced equity	0	0	1	2	0	0
10. Lower farm production/market	1	4	0	0	0	0
11. Increased health problems/concerns	0	0	0	0	1	2
12. Damage/ruin/spoil property and/or house	0	0	0	0	1	2
13. Change in lifestyle/standard of living	1	4	3	6	2	4
14. Will sell/already sold	1	4	1	2	1	2
15. Other	0	0	0	0	1	2
16. Not specific/unclear	2	8	5	10	6	13
Respondents	24		48		45	
Sample Size	26		54		51	
No Response	2		6		6	

APPENDIX 4

TABLE 12 (cont'd)	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
If yes, how would your household or farm be affected by blowing litter from the landfill and trucks?						
1. More frequent/extensive maintenance to house/property	15	44	28	47	21	42
2. Disruption/interference/nuisance/stress/	12	35	18	30	13	26
3. Change in rural setting/aesthetics	7	21	6	10	4	8
4. Close Windows/seal house	0	0	0	0	3	6
5. Remain indoors/curtail outdoor activities	2	6	3	5	4	8
6. May move	0	0	1	2	0	0
7. Increase road safety concerns - accident risk	1	3	1	2	0	0
8. Increased landscaping/screening	2	6	1	2	0	0
9. Decrease in property value/reduced equity	1	3	1	2	0	0
10. Lower farm production/market	4	12	3	5	1	2
11. Increased health problems/concerns	3	9	8	13	0	0
12. Damage/ruin/spoil property and/or house	3	9	5	8	2	4
13. Children safety concerns	0	0	3	5	0	0
14. Change in lifestyle/standard of living	0	0	0	0	1	2
15. Monitor farm animal health	1	3	3	5	0	0
16. Will sell/already sold	1	3	2	3	0	0
17. Other	1	3	0	0	1	2
18. Not specific/unclear	4	11	6	10	5	10
Respondents	34		60		50	
Sample Size	37		65		61	
No Response	3		5		11	

APPENDIX 4

TABLE 12 (cont'd)	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
Will your property value change if the landfill is located here?						
Yes	39	98	67	97	64	91
No	0	0	2	3	2	3
Don't Know	1	3	0	0	4	6
Respondents	40		69		70	
Sample Size	40		69		72	
No Response	0		0		2	
If yes, do you think it will increase or decrease?						
Increase	0	0	0	0	0	0
Decrease	39	100	66	98	63	98
Don't Know	0	0	1	2	1	2
Respondents	39		67		64	
Sample Size	39		67		64	
No Response	0		0		0	
If yes, will the effect be short-term or long-term?						
Long-Term	37	95	65	98	60	95
Short-Term	2	5	1	2	3	5
Respondents	39		66		63	
Sample Size	39		67		64	
No Response	0		1		1	

APPENDIX 4

TABLE 12 (cont'd)

How would a change in property value affect you?	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
1. Loss of equity in investment; would not receive market value; hardship	32	82	48	71	55	80
2. Ruin retirement plans	8	21	12	18	0	0
3. Might not be able to sell property	2	5	15	22	13	19
4. Difficult to relocate	2	5	11	16	2	3
5. Lower standard of living	6	15	6	9	4	6
6. No effect because renting	2	5	5	7	2	3
7. Harm business/lose livelihood (farming)	4	10	5	7	2	3
8. Stress	4	10	5	7	5	7
9. Other	2	5	6	9	2	3
10. No effect	0	0	3	4	4	6
11. Not specific/unclear	2	5	2	3	3	4
Respondents	39		68		69	
Sample Size	40		69		72	
No Response	1		1		3	

APPENDIX 4

TABLE 13: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS
FACTOR: SATISFACTION WITH PLACE

IMPACT ANALYSIS: FACILITY

Would a landfill affect your satisfaction with this community as a place to live?	AREA I #	AREA I %	AREA II #	AREA II %	AREA VI #	AREA VI %
Yes	37	93	62	90	65	90
No	3	8	7	10	4	6
Don't Know	0	0	0	0	3	4
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	

APPENDIX 4

TABLE 13 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
How would a landfill affect your satisfaction?						
1. Community Disruption/Impact	17	43	28	41	28	39
2. Water Pollution/Hydrogeology	12	30	20	29	15	21
3. Aesthetics	11	28	11	16	8	11
4. General Traffic Concerns	9	23	14	20	15	21
5. Odours/Air Pollution	8	20	16	23	24	33
6. Devaluation of Property	8	20	15	22	7	10
7. Garbage/Dust	7	18	9	13	9	13
8. Quality of Life	6	15	12	17	17	24
9. Access Road/Increase Truck Traffic	6	15	15	22	12	17
10. Gulls/Rodents/Insects	5	13	7	10	9	13
11. Noise	5	13	8	12	19	26
12. Long Term Health/Environmental Effects	5	13	4	6	1	1
13. Reduces Farming/More Residential	1	3	5	7	0	0
14. Health/Safety Concerns re Children	2	5	1	1	6	8
15. Economic Concerns	2	5	3	4	1	1
16. Negative Effect on Agricultural Products	1	3	6	9	0	0
17. Illegal Dumping in Landfill	1	3	1	1	1	1
18. General Health/Safety Concerns	1	3	2	3	0	0
19. Would Leave Area	1	3	8	12	9	13
20. Don't Trust Region/Political Decision	1	3	1	1	0	0
21. Access Roads/Damage to Roads	0	0	1	1	0	0
22. Expropriation	0	0	2	3	0	0
23. Process Unfair	0	0	0	0	1	1
24. Safety of School Buses	0	0	0	0	1	1
25. Not Specific	1	3	0	0	2	3
26. Other	2	5	1	1	1	1
27. No Effect on Satisfaction	3	8	7	10	4	6
28. Don't Know Effect	0	0	0	0	3	4
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	

APPENDIX 4

TABLE 14: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: RESIDENTS
FACTOR: PUBLIC HEALTH AND SAFETY

IMPACT ANALYSIS: FACILITY

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Does any member of your household have any health problems relevant to this study?						
Yes	13	34	28	47	42	60
No	25	66	40	59	28	40
Respondents	38		68		70	
Sample Size	40		69		72	
No Response	2		1		2	
Kind of health problem?						
1. Respiratory	4		10		14	
2. Allergies/Rashes	13		21		36	
3. Mental	1		2		2	
4. Blood Pressure/Heart Conditions	1		4		2	
5. Other	0		1		2	
Respondents	13		26		42	
Sample Size	13		28		42	
No Response	0		2		0	

APPENDIX 4

TABLE 14 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
If yes, what are your concerns?						
1. Contamination from Leachate/Drainage	38	97	55	90	53	90
2. Hydrology Concerns	13	33	15	25	9	15
3. Contamination from Spills on Access	2	5	1	2	0	0
4. Landfill Technology	3	8	1	2	0	0
5. Long Term Health Effects	1	3	4	7	3	5
6. Testing/Monitoring Technology	1	3	1	2	0	0
7. Depletion of Well Water Levels	4	10	5	8	0	0
8. Decreased Farm Production	1	3	0	0	1	2
9. Impact on Farm Produce Sales	0	0	0	0	1	2
Respondents	39		61		59	
Sample Size	39		62		59	
No Response	0		1		0	

APPENDIX 4

TABLE 14 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
What is your concern?						
1. Increased Frequency of Attacks	6	55	18	75	42	100
2. Stress Making Condition Work	3	27	8	33	7	17
3. Not Specific	3	27	4	17	2	5
4. Other	1	9	0	0	0	0
Respondents	11		24		42	
Sample Size	13		28		42	
No Response	2		4		0	
What water supply serves this property for household purposes?						
1. Cistern - Rain Water Only	1	3	4	6	2	3
2. Cistern - Rain Water and Purchased Water	1	3	1	2	1	1
3. Dug Well	18	45	25	37	32	46
4. Drilled Well/Bored Well	25	50	44	65	25	36
5. Municipal Supply	0	0	4	6	21	30
6. Stream	0	0	2	3	4	6
7. Pond	0	0	2	3	8	12
8. Other	2	5.0	1	2	1	2
Respondents	40		68		69	
Sample Size	40		69		72	
No Response	0		1		3	
Do you have any concerns that the landfill may affect your water supply?						
Yes	39	98	62	90	59	82
No	1	3	6	9	10	14
Don't Know	0	0	1	1	3	4
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	

APPENDIX 4

TABLE 15 : STUDY AREA: PRIMARY IMPACT ZONE — IMPACT ANALYSIS: FACILITY
LEVEL OF ANALYSIS: IMPACT ON COMMUNITY
FACTOR: SOCIAL COHESION

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Have you considered moving because of the proposed landfill?						
Yes	19	51	35	56	43	60
No	18	49	28	44	28	39
Respondents	37		63		70	
Sample Size	40		69		72	
No Response	3		6		0	
If the proposed landfill is located here, would you move?						
Yes	16	49	34	54	39	55
No	7	21	12	19	12	17
Don't Know	10	30	17	27	20	28
Respondents	33		63		71	
Sample Size	40		69		72	
No Response	7		6		1	
If yes, where would you move?						
Area I, II	1	8	1	3	0	0
Out of Community in Peel	1	8	11	37	9	25
Out of Community in Norval, Georgetown	1	8	2	7	1	3
Area VI	0	0	0	0	4	11
Out of Above	5	38	9	30	12	33
Not Specific/Unclear	5	38	7	23	11	31
Respondents	13		30		36	
Sample size	16		34		39	
No Response	3		4		3	

APPENDIX 4

TABLE 15 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
If you have considered moving, have you taken any steps towards moving?						
Yes	10	51	14	40	15	35
No	9	49	21	60	28	65
Respondents	19		35		43	
Sample Size	19		35		43	
No Response	0		0		0	

APPENDIX 4

TABLE 16: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS
FACTOR: DISRUPTION
IMPACT ANALYSIS: ANNOUNCEMENT

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
How has the announcement of the proposed landfill affected you and your household?						
1. Indifferent	6	15	8	12	8	11
2. Concern re environment effects (e.g., pollution, noise)	4	10	8	12	5	7
3. concern re health effects	4	10	5	7	2	3
4. Selling house/property; moving	1	3	2	3	2	3
5. Loss of investment	8	20	11	16	6	8
6. Should be located elsewhere	0	0	1	1	3	4
7. Desparate/hopeless/dismay	17	43	27	39	23	32
8. Panic/shock/terrified	4	10	5	7	8	11
9. Anger/appalled/resent/bitter	16	40	23	33	27	38
10. Disappointed/disillusioned	11	28	16	23	18	25
11. Ludicrous/absurd	0	0	0	0	4	6
12. Wanted more information	4	10	2	3	2	3
13. May move	5	13	9	13	5	7
14. No comment	1	3	1	1	1	1
15. Other	3	8	5	7	0	0
16. Not specific	2	5	2	3	1	1
Respondents	40		69		72	
Sample Size	40		69		72	
No Response	0		0		0	
Do you have plans to improve or change how you use your home or property in the future?						
Yes	33	83	56	81	46	65
No	7	18	13	19	25	35
Respondents	40		69		71	
Sample Size	40		69		72	
No Response	0		0		1	

APPENDIX 4

TABLE 16 (cond't)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
If yes, what type of plans?						
1. Home renovations/repairs/decorating	12	36	24	44	10	23
2. Property improvements/renovations/ repairs/landscaping	23	70	31	56	23	52
3. House additions	7	21	11	20	10	23
4. Infrastructure improvement	3	9	5	9	1	2
5. Farm building construction/repair/maintenance	2	6	5	9	1	2
6. Other farm improvement/maintenance	1	3	4	7	2	5
7. Business related to property re new business	2	6	3	6	3	7
8. Property additions	2	6	4	7	5	11
9. May sell all/part of property/house	0	0	0	0	4	9
10. General repair/upkeep/maintenance	4	12	7	13	4	9
11. Not specific/unclear	0	0	0	0	1	2
Respondents	33		55		44	
Sample Size	33		55		46	
No Response	0		0		2	

APPENDIX 4

TABLE 16 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Would the landfill affect these plans in any way?						
Yes	30	91	50	89	42	91
No	1	3	3	5	4	9
Don't Know	2	6	3	5	0	0
Respondents	33		56		46	
Sample Size	33		56		46	
No Response	0		0		0	
If yes, how would your plans be affected?						
1. Cancel plans	7	23	12	23	16	38
2. Put plans on hold	15	50	24	45	17	41
3. Wait and see consequences	4	13	11	21	4	10
4. Negative effect on business	1	3	1	2	1	2
5. May/would sell	3	10	6	11	5	12
6. Only do necessary repairs/maintenance	3	10	3	5	0	0
7. Loss in equity/lower property value/ difficult to sell	3	10	4	8	2	5
8. Not specific/unclear	1	3	0	0	3	7
Respondents	30		50		42	
Sample Size	30		50		42	
No Response	0		0		0	

APPENDIX 4

TABLE 17: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON COMMUNITY
FACTOR: INVOLVEMENT

IMPACT ANALYSIS: SITING PROCESS

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Has your household been involved in any of the following activities since the Region selected this area as a candidate site for the landfill?						
1. Telephone/written or spoken to local politicians	12	30	23	34	15	21
2. Telephone/written or spoken to other politicians	6	15	18	27	9	13
3. Read regional reports on the landfill	27	68	44	65	34	48
4. Attended an open house organized by the Region	21	53	31	46	27	38
5. Attended a meeting organized by a local citizen's group	21	53	38	56	39	55
6. Researched the topic of landfilling	16	40	20	29	25	35
7. Attended a council meeting where the landfill was discussed	14	35	23	34	4	6
8. Discussed with local citizens groups	5	13	6	9	0	0
9. Prepared/distributed handouts/flyers, etc.	0	0	3	4	1	1
10. Wrote to newspaper/spoke on radio	1	3	1	2	0	0
11. No action taken	3	8	9	13	15	21
12. All of 1 - 7	5	13	9	13	4	6
13. Other	1	3	4	6	4	6
14. Not specific	1	3	1	2	1	1
Respondents	40		68		71	
Sample Size	40		69		72	
No Response	0		1		1	

APPENDIX 4

TABLE 17 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
When did you first learn that this area was proposed as a candidate area for a landfill?						
1. Through contact by IER	3	8	1	1	4	6
2. In the last month	0	0	0	0	2	3
3. In the last six months	1	3	4	6	29	41
4. In the last year	7	18	10	15	19	27
5. In the last two years	6	15	15	22	10	14
6. More than two years	22	56	38	55	6	9
7. Not specific	0	0	1	1	1	1
Respondents	39		69		71	
Sample Size	40		69		72	
No Response	1		0		1	
Did you have sufficient opportunities to learn about the landfill?						
Yes	18	46	40	58	23	32
No	17	44	24	35	43	61
Don't Know	4	10	5	7	5	7
Respondents	39		69		71	
Sample Size	40		69		72	
No Response	1		0		1	

APPENDIX 4

TABLE 17 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Have you had sufficient opportunities to discuss the proposed landfill with:						
1. Regional Officials/Consultants						
Yes	15	38	29	43	13	18
No	22	55	38	56	54	76
Don't Know	3	8	1	2	4	6
Respondents	40		68		71	
Sample Size	40		69		72	
No Response	0		1		1	
2. Regional Politicians						
Yes	12	31	20	30	10	14
No	22	56	40	60	56	79
Don't Know	5	13	7	10	5	7
Respondents	39		67		71	
Sample Size	40		69		72	
No Response	1		2		1	
3. Brampton Politicians						
Yes	11	28	23	34	11	16
No	23	59	35	52	52	73
Don't Know	5	13	9	13	8	11
Respondents	39		67		71	
Sample Size	40		69		72	
No Response	1		2		1	
4. Other Residents in Your Community						
Yes	33	85	58	88	43	61
No	5	13	8	12	27	38
Don't Know	1	3	0	0	1	1
Respondents	39		66		71	
Sample Size	40		69		72	
No Response	1		3		1	

APPENDIX 4

TABLE 18: STUDY AREA: PRIMARY IMPACT ZONE — IMPACT ANALYSIS: SITING PROCESS
LEVEL OF ANALYSIS: IMPACT ON COMMUNITY
FACTOR: INFLUENCE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Do you feel that you and other residents will be able to influence the final decisions of whether or not the landfill will be located here?						
Yes	15	38	27	40	39	55
No	18	45	37	54	25	35
Don't Know	7	18	4	6	7	10
Respondents	40		68		71	
Sample Size	40		69		72	
No Response	0		1		1	
If no, why do you feel that you can't influence the decision						
1. Politican decision - no influence	12	67	21	57	17	68
2. Lack of political clout	6	33	15	41	10	40
3. Decision already made	7	39	12	32	3	12
4. Decision not based on community factors/S.I. has little weight	2	11	3	8	1	4
5. Low population/lack of organization	4	22	5	14	1	4
6. Should not influence decision/trust Region	0	0	1	3	0	0
7. Process unfair	1	6	1	3	1	4
8. Other	0	0	3	8	1	4
9. Not specific	0	0	1	3	1	4
Respondents	18		37		25	
Sample Size	18		37		25	
No Response	0		0		0	

APPENDIX 4

TABLE 19: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON COMMUNITY
FOCUS: PRIORITIES

MITIGATION

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
What are the three most important steps that the Region can take to protect the interests of residents?						
1. Monitoring of public health	12	32	33	49	40	59
2. Regular public reports on facility operations	3	8	6	9	2	3
3. Compensation for direct costs and damages	5	13	14	21	10	15
4. Monitoring of air and water quality	21	55	36	53	35	52
5. Compensation for loss of land values	15	40	31	46	38	56
6. Monitoring of contaminants in soils and crops	13	34	20	29	26	38
7. Monitoring of contaminants in the livestock	3	8	11	16	6	9
8. Local residents represented on a committee to monitor operations	6	15	8	12	3	4
9. Monitoring of land values and other economic factors	2	5	8	12	12	18
10. Pre-servicing of site to provide alternate water source	9	24	16	24	14	21
11. Locate elsewhere/put in industrial area	4	11	2	3	2	3
12. Seek alternative methods, i.e. recycling, incineration	0	0	1	2	0	0
13. Educational program to reduce waste production	0	0	0	0	0	0
14. Larger buffer zone/landscape/berming	1	3	1	2	0	0
15. Engineering design to minimize negative effects	1	3	0	0	0	0
16. Environmental concerns, i.e. sanitation/site monitoring	0	0	2	3	0	0
17. Establish policies prior to site selection	0	0	0	0	1	2
18. Fair compensation	1	3	1	2	1	2
19. Not specific	1	3	3	4	2	3
20. Unclear	1	3	0	0	0	0
21. Other	3	8	2	3	0	0
Respondents	38		68		68	
Sample Size	40		69		72	
No Response	2		1		4	

APPENDIX 4

TABLE 20: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON COMMUNITY
FOCUS: MONITORING

MITIGATION

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
How important is each of the following steps to protect the interests of residents if the landfill is located here?						
1. Monitoring of public health						
Not Important	1	3	2	3	1	1
2	0	0	0	0	0	0
3	1	3	0	0	0	0
4	1	3	2	3	6	9
Very Important	31	84	61	88	62	87
Don't Know	3	8	4	6	2	3
Respondents	37		69		71	
Sample Size	40		69		72	
No Response	3		0		1	
2. Public reports on facility						
Not Important	2	5	2	3	1	1
2	1	3	1	1	0	0
3	2	5	0	0	3	4
4	9	24	13	19	15	21
Very Important	21	57	48	70	48	68
Don't Know	2	5	5	7	4	6
Respondents	37		69		71	
Sample Size	40		69		72	
No Response	3		0		1	

APPENDIX 4

TABLE 20 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
3. Monitor air and water quality						
Not Important	1	3	1	1	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	1	3	1	1	3	4
Very Important	35	95	67	97	68	96
Don't Know	0	0	0	0	0	0
Respondents	37		69		71	
Sample Size	40		69		72	
No Response	3		0		1	
4. Monitoring of contaminants in soils and crops						
Not Important	2	5	1	1	1	1
2	0	0	0	0	2	3
3	1	3	0	0	1	3
4	0	0	1	1	9	13
Very Important	33	89	66	96	57	80
Don't Know	1	3	1	1	1	1
Respondents	37		69		71	
Sample Size	40		69		72	
No Response	3		0		1	
5. Monitoring of contaminants in livestock						
Not Important	2	5	1	1	0	0
2	0	0	0	0	3	4
3	1	3	0	0	0	0
4	2	5	1	1	5	7
Very Important	31	84	65	94	58	82
Don't Know	1	3	2	3	5	7
Respondents	37		69		71	
Sample Size	40		69		72	
No Response	3		0		1	

APPENDIX 4

TABLE 20 (cont'd)	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
6. Local residents monitoring operations						
Not Important	2	5	2	3	0	0
2	1	3	0	0	2	3
3	3	8	1	1	4	6
4	2	5	2	3	9	13
Very Important	29	78	62	90	54	76
Don't Know	0	0	2	3	2	3
Respondents	37		69		71	
Sample Size	40		69		72	
No Response	3		0		1	
7. Monitoring of land values and other economic factors						
Not Important	2	5	2	3	0	0
2	0	0	0	0	2	3
3	2	5	1	1	2	3
4	6	16	11	16	11	16
Very Important	26	70	54	78	51	73
Don't Know	1	3	1	1	4	6
Respondents	37		69		70	
Sample Size	40		69		72	
No Response	3		0		2	

APPENDIX 4

TABLE 21: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON COMMUNITY
FOCUS: PRE-SERVICING

MITIGATION

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
How important is pre-servicing of the site to provide an alternate water source to residents and farms not presently serviced?						
Not Important	4	11	1	1	2	3
2	0	0	0	0	2	3
3	1	3	0	0	1	1
4	2	6	3	4	6	9
Very Important	28	80	61	91	54	78
Don't Know	0	0	2	3	4	6
Respondents	35		69		69	
Sample Size	40		69		72	
No Response	5		2		3	

APPENDIX 4

TABLE 22: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON COMMUNITY
FOCUS: ALTERNATIVE WATER SUPPLY

MITIGATION

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
If required, would the provision of an alternative water supply be acceptable?						
Yes	12	32	30	45	22	35
No	18	47	30	45	34	54
Not Certain	8	21	7	10	7	11
Respondents	38		67		63	
Sample Size	40		69		72	
No Response	2		2		9	
If no, why not?						
1. Dislike municipal water (e.g. taste)	9	50	20	67	20	59
2. Wary of municipal water (e.g. quality)	2	11	5	17	2	6
3. Cost of municipal water	4	22	6	20	6	18
4. Alternative water supply not a solution	5	28	6	20	5	15
5. Other	1	6	2	7	1	3
6. Not specific	0	0	0	0	3	9
Respondents	18		30		34	
Sample Size	18		30		34	
No Response	0		0		0	

APPENDIX 4

TABLE 22 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
If not certain, what are your concerns?						
1. Dislike municipal water (e.g. taste)	2	25	1	14	2	29
2. Wary of municipal water (e.g. quality)	1	13	2	27	1	14
3. Cost of municipal water	2	25	4	57	2	29
4. Would like information on alternatives	4	50	2	29	1	14
5. Alternative water supply not a solution	1	13	0	0	2	29
6. Not specificed	1	13	1	14	0	0
Respondents	8		7		7	
Sample Size	8		7		7	
No Response	0		0		0	

Appendix 5

Resident Surveys: Farm Survey Results

APPENDIX 5

TABLE 1: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS/FARM
DESCRIPTOR: BUSINESS OPERATIONS

SOCIAL PROFILE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
What type of business do you operate?						
Farm	8	73	12	80	9	56
Agri-business						
Custom Work	2	18	7	47	2	13
Horse Training/Boarding	1	9	2	13	3	19
Feed Mill	1	9	0	0	0	0
Market Garden	0	0	0	0	1	6
Specialized Livestock	0	0	0	0	1	6
Hobby Farm	0	0	1	7	3	19
Embryo Transfer	2	18	2	13	0	0
Tree Farm/Nursery	2	18	2	13	0	0
Other	1	9	0	0	1	6
Respondents	11		15		16	
Sample Size	11		15		16	
No Response	0		0		0	
Would you describe this farm as:						
Full-time Operation	8	80	12	86	6	43
Part-time Operation	1	10	1	7	4	29
Hobby Farm	1	10	1	7	4	29
Respondents	10		14		14	
Sample Size	11		15		16	
No Response	1		1		2	

APPENDIX 5

TABLE 2: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS/FARM
DESCRIPTOR: DISRUPTION

SOCIAL PROFILE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Do you expect that a regional landfill being located in this community would affect your farm operation or agri-business?						
Yes	9	82	15	100	15	94
No	0	0	0	0	1	6
Don't Know	2	18	0	0	0	0
Respondents	11		15		16	
Sample Size	11		15		16	
No Response	0		0		0	
If yes, how do you think the regional landfill will affect your farm operation or agri-business?						
1. Damage - re: birds, rodents	2	22	0	0	4	27
2. Expropriation	2	22	1	7	2	13
3. Health of Livestock/Crops	3	33	8	53	6	40
4. Water Pollution	4	44	8	53	7	48
5. Soil Pollution	0	0	3	20	3	20
6. Hurt Business/Clientele Diminish	4	44	6	40	6	40
7. Would Leave	0	0	2	13	1	7
8. Increased Production Costs/Maintenance	2	22	1	7	3	13
9. People May Not Buy Produce (milk/beef) from Here	4	44	1	7	0	0
10. Nuisance re: farm machinery	3	33	7	47	0	0
11. Other	2	22	0	0	0	0
12. Don't Know	0	0	0	0	0	0
13. No Effect	0	0	0	0	0	0
14. Not Specific	1	11	6	40	0	0
Respondents	9		15		15	
Sample Size	9		15		15	
No Response	0		0		0	

APPENDIX 5

Table 2 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
If you had to relocate, would you continue your operation?						
Yes	4	50	3	27	7	44
No	4	50	3	27	7	44
Don't Know	0	0	5	46	2	13
Respondents	8		11		16	
Sample Size	11		15		16	
No Response	3		4		0	
If no, why not?						
Too Old	2	50	1	33	2	29
Not Economical	1	25	0	0	2	29
Depends on Where and Quality	0	0	0	0	1	14
Depends on Market	0	0	0	0	1	14
Could Not Justify Replacing Existing Farm	1	25	2	67	0	0
Other	0	0	0	0	2	29
Respondents	4		3		7	
Sample Size	4		3		7	
No Response	0		0		0	
If yes, where would you relocate?						
Within Area VI Community Boundary	0	0	0	0	0	0
Within Area I and II Community Boundary	0	0	0	0	0	0
Outside Community Boundary, Within the Region of Peel	2	67	2	100	1	25
Outside Community Boundary, Within Norval, Georgetown	0	0	0	0	0	0
Outside all of the Above	0	0	0	0	1	25
Other	0	0	0	0	1	25
Not Specific	1	33	0	0	1	25
Respondents	3		2		4	
Sample Size	4		3		7	
No Response	1		1		3	

APPENDIX 5

TABLE 3: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS/FARM
DESCRIPTOR: FARM OPERATIONS - FUTURE OPERATIONS

SOCIAL PROFILE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
What do you see as the prospects for your operation over the next 5 years?						
Increase/Expand	7	64	8	57	4	25
Decrease	2	18	0	0	1	6
No Change	0	0	2	14	9	56
Don't Know	2	18	4	29	2	13
Respondents	11		14		16	
Sample Size	11		15		16	
No Response	0		1		0	
Why is that?						
1. Getting Older/Close to Retirement	2	18	1	7	1	7
2. Will Sell to Developers/Speculators	1	9	0	0	1	7
3. Must Remain Competitive	3	27	2	14	1	7
4. Depends on Landfill Decision	1	9	2	14	4	27
5. Son Will Inherit Farm	3	27	0	0	0	0
6. Market Improving	1	9	2	14	1	7
7. Family Size Operation	0	0	0	0	3	20
8. Uncertainties Related to Farming (e.g. weather)	0	0	2	14	0	0
9. No Need to Expand	0	0	0	0	3	20
10. Recent Investments - expect growth	0	0	0	0	1	7
11. On quota	0	0	1	7	0	0
12. Not Specific/Unclear	0	0	4	29	2	13
Respondents	11		14		15	
Sample Size	11		15		16	
No Response	0		1		1	

APPENDIX 5

TABLE 3 (cont'd)

SOCIAL PROFILE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Have you recently considered making changes to your farm operation?						
Yes	8	73	12	80	11	69
No	3	27	3	20	5	31
Respondents	11		15		16	
Sample	11		15		16	
No Response	0		0		0	
What changes have you considered?						
1. Obtain More Cropland	2	25	8	67	6	55
2. Cutback on Cropland	1	13	2	17	1	9
3. Invest in Buildings	6	75	11	92	7	64
4. Invest in Drainage	0	0	1	8	0	0
5. Invest in Equipment	1	13	2	17	1	9
6. Get Out of Farming	1	13	1	8	3	27
7. Move Farm Operation	2	25	3	25	0	0
8. Pass Operation Over to Family Members Within a Few Years	1	13	3	25	4	36
9. Other	1	13	0	0	0	0
10. Unclear	0	0	0	0	1	9
Respondents	8		12		11	
Sample Size	8		12		11	
No Response	0		0		0	

APPENDIX 5

TABLE 3 (cont'd)

SOCIAL PROFILE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Would the landfill affect these plans in anyway?						
Yes	7	88	11	92	8	73
No	0	0	0	0	3	27
Don't Know	1	13	1	8	0	0
Respondents	8		12		11	
Sample Size	8		12		11	
No Response	0		0		0	
If yes, in what way(s)?						
1. Plans on Hold	2	29	4	36	2	25
2. Modify Plans (e.g. reduce scale)	2	29	5	46	2	25
3. Cancel Plans	1	14	2	18	3	38
4. Stop Farming	0	0	2	18	0	0
5. No Credit Available on Devalued Property	2	29	2	18	0	0
6. No Further Investment in Farm	0	0	0	0	1	13
7. Would Move	1	14	1	9	0	0
8. Not Specific	1	14	1	9	0	0
9. Other	0	0	1	9	0	0
Respondents	7		11		8	
Sample Size	7		11		8	
No Response	0		0		0	

APPENDIX 5

TABLE 4: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS/FARM
DESCRIPTOR: FARM INCOME

SOCIAL PROFILE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
What would you estimate your 1985 gross income to have been from your farm operation or agri-business?						
Less than $20,000	3	60	2	18	8	73
$20,001 - $40,000	0	0	1	9	1	9
$40,001 - $60,000	0	0	0	0	1	9
$60,000 - $80,000	0	0	0	0	0	0
$80,001 - $100,000	0	0	1	9	0	0
Greater than $100,000	2	40	7	64	1	9
Respondents	5		11		11	
Sample Size	11		15		16	
No Response	6		4		5	

APPENDIX 5

TABLE 5: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS/FARM
DESCRIPTOR: TENURE

SOCIAL PROFILE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Is this property:						
Owned	7	78	13	87	13	93
Rented	2	22	2	13	1	7
Respondents	9		15		14	
Sample Size	11		15		16	
No Response	2		0		2	

APPENDIX 5

TABLE 6: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS/FARM
DESCRIPTOR: FARM ACTIVITIES

SOCIAL PROFILE

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
What are the main farming activities taking place in your farm business?						
Cash Crop	7	70	8	53	6	43
Mixed Crop	3	30	6	40	3	21
Dairy	3	30	7	47	0	0
Poultry	1	10	2	13	3	21
Beef Cow/Calf	1	10	1	7	4	29
Beef Calf to Finish	3	30	1	7	1	7
Beef Feedlot	1	10	1	7	1	7
Feed or Hogs	0	0	0	0	1	7
Not Specific	0	0	0	0	1	7
Other (e.g. horse breeding/boarding, nurseries, cattle sales)	5	50	8	53	5	36
Respondents	10		15		14	
Sample Size	11		15		16	
No Response	1		0		2	

APPENDIX 5

TABLE 7: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS/FARM
DESCRIPTOR: USE OF LOCAL FACILITIES AND SERVICES

SOCIAL PROFILE

	AREA I	AREA II	AREA VI
Where do you go for the following farm supplies and services?			
(a) Seed			
Within Area I, II Primary Impact Zone	5	5	0
Within Area VI Primary Impact Zone	0	0	0
Within Area I, II Community Boundary	2	6	1
Within Area VI Community Boundary	0	0	0
Outside Community Boundary But Within Peel	0	0	7
Norval or Georgetown	2	2	0
Outside of Above	1	1	1
Respondents	10	11	6
Sample Size	11	15	16
No Response	1	4	10
(b) Chemicals			
Within Area I, II Primary Impact Zone	6	8	0
Within Area VI Primary Impact Zone	0	0	0
Within Area I, II Community Boundary	2	2	1
Within Area VI Community Boundary	0	0	0
Outside Community Boundary But Within Peel	1	0	6
Norval or Georgetown	3	1	0
Outside Above	0	0	0
Respondents	8	10	6
Sample Size	11	15	16
No Response	3	5	10

APPENDIX 5

TABLE 7 (cont'd)

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
(c) Fertilizer						
Within Area I, II Primary Impact Zone	6		9		0	
Within Area VI Primary Impact Zone	0		0		0	
Within Area I, II Community Boundary	2		1		1	
Within Area VI Community Boundary	0		0		0	
Outside Community Boundary But Within Peel	2		0		7	
Norval or Georgetown	2		1		0	
Outside of Above	0		0		0	
Respondents	8		10		7	
Sample Size	11		15		16	
No Response	3		5		9	
(d) Fencing, Twine, Etc.						
Within Area I, II Primary Impact Zone	3		3		0	
Within Area VI Primary Impact Zone	0		0		0	
Within Area I, II Community Boundary	7		8		3	
Within Area VI Community Boundary	0		0		0	
Outside Community Boundary But Within Peel	0		1		4	
Norval or Georgetown	2		0		0	
Outside of Above	0		0		0	
Respondents	9		10		7	
Sample Size	11		15		16	
No Response	2		5		9	
(e) Feed						
Within Area I, II Primary Impact Zone	3		4		0	
Within Area VI Primary Impact Zone	0		0		0	
Within Area I, II Community Boundary	5		6		3	
Within Area VI Community Boundary	0		0		0	
Outside Community Boundary But Within Peel	1		2		5	
Norval or Georgetown	3		1		0	
Outside of Above	0		0		0	
Respondents	9		10		7	
Sample Size	11		15		16	
No Response	2		5		9	

APPENDIX 5

TABLE 7 (cont'd)

	AREA I	AREA II	AREA VI
(f) Equipment Purchases and Repairs			
Within Area I, II Primary Impact Zone	3	4	0
Within Area VI Primary Impact Zone	0	0	0
Within Area I, II Community Boundary	0	0	1
Within Area VI Community Boundary	0	0	0
Outside Community Boundary But Within Peel	5	4	5
Norval or Georgetown	3	1	0
Outside of Above	2	6	4
Not Specific	1	0	0
Respondents	8	10	7
Sample Size	11	15	16
No Response	3	5	9
(g) Building Repairs			
Within Area I, II Primary Impact Zone	1	1	0
Within Area VI Primary Impact Zone	0	0	0
Within Area I, II Community Boundary	3	3	0
Within Area VI Community Boundary	0	0	0
Outside Community Boundary But Within Peel	1	4	2
Norval or Georgetown	4	2	0
Outside of Above	0	0	2
Not Specific	1	1	0
Respondents	8	9	3
Sample Size	11	15	16
No Response	3	6	13
(h) Trucking			
Within Area I, II Primary Impact Zone	2	2	0
Within Area VI Primary Impact Zone	0	0	0
Within Area I, II Community Boundary	3	2	0
Within Area VI Community Boundary	0	0	0
Outside Community Boundary But Within Peel	3	4	3
Norval or Georgetown	1	0	0
Outside of Above	0	0	0
Respondents	7	8	2
Sample Size	11	15	16
No Response	4	7	14

APPENDIX 5

TABLE 7 (cont'd)

	AREA I	AREA II	AREA VI
(i) Custom Work			
Within Area I, II Primary Impact Zone	4	2	0
Within Area VI Primary Impact Zone	0	0	2
Within Area I, II Community Boundary	1	0	0
Within Area VI Community Boundary	0	0	0
Outside Community Boundary But Within Peel	1	1	2
Norval or Georgetown	0	0	0
Outside of Above	0	0	0
Respondents	4	2	3
Sample Size	11	15	16
No Response	7	13	13
(j) Farm Management Services			
Within Area I, II Primary Impact Zone	0	0	0
Within Area VI Primary Impact Zone	0	0	0
Within Area I, II Community Boundary	0	0	0
Within Area VI Community Boundary	0	0	0
Outside Community Boundary But Within Peel	3	4	2
Norval or Georgetown	0	0	0
Outside of Above	3	1	1
Respondents	4	4	4
Sample Size	11	15	16
No Response	7	11	12
(k) Veterinarian			
Within Area I, II Primary Impact Zone	0	0	0
Within Area VI Primary Impact Zone	0	0	0
Within Area I, II Community Boundary	2	5	3
Within Area VI Community Boundary	0	0	0
Outside Community Boundary But Within Peel	5	5	3
Norval or Georgetown	1	0	1
Outside of Above	2	0	1
Respondents	9	10	8
Sample Size	11	15	16
No Response	2	5	8

APPENDIX 5

TABLE 8 (cont'd)

IMPACT ANALYSIS: FACILITY

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Do you have any concerns that the proposed landfill may affect your water supply?						
Yes	8	80	14	93	12	86
No	1	10	0	0	2	14
Don't Know	1	10	1	7	0	0
Respondents	10		15		14	
Sample Size	11		15		16	
No Response	1		0		2	
If yes, what are your concerns?						
1. Contamination from Leachate/Drainage/ Rodents/Birds	7	88	13	93	12	100
2. Hydrogeolgy Concerns (i.e. change in water table)	0	0	3	21	0	0
3. Contamination From Spills Along Access Routes	1	13	1	7	0	0
4. Long-Term Health Effects	1	13	1	7	0	0
5. Depletion of Well Water Levels	3	38	2	14	0	0
6. Decreased Farm Production Because Lower Quality Water	2	25	2	14	2	17
7. Perceived Negative Impact on Sale of Produce Milk, etc.	0	0	2	14	1	8
8. Other	0	0	1	7	0	0
Respondents	8		14		12	
Sample Size	11		15		16	
No Response	3		1		4	

APPENDIX 5

TABLE 8: STUDY AREA: PRIMARY IMPACT ZONE — IMPACT ANALYSIS: FACILITY
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS/FARM
FACTOR: DISTRUPTION
SUBFACTOR: WATER USE

What type of water supply do you have for irrigation and livestock?

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Livestock						
1. Cistern - Rain Water Only	0	0	0	0	1	10
2. Cistern - Rain Water and Purchased Water	0	0	0	0	0	0
3. Dug Well	5	56	5	45	7	70
4. Municipal Supply (piped in)	0	0	1	9	2	20
5. Stream	2	22	1	9	1	10
6. Pond	1	11	2	18	1	10
7. Drilled Well	5	56	5	45	0	0
Respondents	9		11		10	
Sample Size	11		15		16	
No Response	2		4		6	
Irrigation						
1. Cistern - Rain Water Only	0	0	0	0	0	0
2. Cistern - Rain Water and Purchased Water	0	0	0	0	0	0
3. Dug Well	0	0	0	0	4	57
4. Municipal Supply (piped in)	0	0	0	0	1	14
5. Stream	1	100	1	33	0	0
6. Pond	0	0	2	67	1	14
7. Drilled Well	0	0	0	0	2	29
Respondents	1		3		7	
Sample Size	11		15		16	
No Response	10		12		9	

APPENDIX 5

TABLE 8 (cont'd)

IMPACT ANALYSIS: FACILITY

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
How much water do you use for livestock and/or irrigation?						
Livestock						
1. Less Than or Equal to 50 Gallons/Day	0	0	0	0	2	50
2. 51 to 100 Gallons/Day	0	0	0	0	2	50
3. 101 to 200 Gallons/Day	1	17	0	0	0	0
4. 201 to 500 Gallons/Day	1	17	2	29	0	0
5. 501 to 1,000 Gallons/Day	0	0	1	14	0	0
6. 1,001 to 2,000 Gallons/Day	1	17	0	0	0	0
7. Greater Than 2,000 Gallons/Day	3	50	4	57	0	0
Respondents	6		7		4	
Sample Size	11		15		16	
No Response	5		8		12	
Irrigation						
1. Less Than or Equal to 50 Gallons/Day	0	0	0	0	0	0
2. 51 to 100 Gallons/Day	1	100	0	0	1	50
3. 101 to 200 Gallons/Day	0	0	0	0	0	0
4. 201 to 500 Gallons/Day	0	0	1	7	0	0
5. 501 to 1,000 Gallons/Day	0	0	1	7	0	0
6. 1,001 to 2,000 Gallons/Day	0	0	0	0	0	0
7. Greater Than 2,000 Gallons/Day	0	0	0	0	1	50
Respondents	1		2		2	
Sample Size	11		15		16	
No Response	10		13		14	

APPENDIX 5

TABLE 9: STUDY AREA: PRIMARY IMPACT ZONE
LEVEL OF ANALYSIS: IMPACT ON RESIDENTS/FARM
FOCUS : ALTERNATIVE WATER SUPPLY

MITIGATION

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Would the provision of an alternate water Supply be acceptable to you?						
Yes	2	20	7	47	7	50
No	6	60	6	40	1	7
Don't Know	2	20	2	13	6	43
Respondents	10		15		14	
Sample Size	11		15		16	
No Response	1		0		2	
If no, why not?						
1. Dislike Municipal Water	2	33	3	50	1	100
2. Wary of Municipal Water, i.e. quality	3	50	2	67	0	0
3. Cost	4	67	2	33	0	0
4. Other	1	17	1	17	0	0
Respondents	6		6		1	
Sample Size	6		6		1	
No Response	0		0		0	

Appendix 6

Key Informant Interviews

Face-to-face interviews were held with key informants in each of the sub-communities to solicit information on possible resident concerns regarding the proposed landfill facility and its implications for local services/facilities and the sub-communities.

The key informants were identified by members of the Community Liaison Groups for the Candidate Areas as persons who, because of their long-term residency and/or involvement in the community, would be knowledgeable about the sub-community and possible concerns of its residents regarding the proposed landfill facility.

Each of the key informant interviews is documented below.

Meeting with Mr. Gordon Little
Re: Sub-Community - Snelgrove
October 1, 1986

At one time Snelgrove was a hotel community although the hotels have long since disappeared. There had been various plans for development, in areas along Highway 10, put forth periodically but these have never materialized. Current plans, if implemented, would see residential units being built on the west side of Highway 10 near Mayfield Road. The plans would allow 7 houses per acre. It is feared that a landfill would stop development of these units. Other plans for the area that have been tossed about include a slaughterhouse and a tannery.

Traffic impacts are the primary concern in the area. Residents feel that Snelgrove already has a traffic problem with cars backed up on Mayfield Road during rush hour (6:45 a.m. to 7:00 a.m.). The additional landfill-related truck traffic would increase this problem. It is felt that there may also be increased conflict with farm machinery which is only a slight problem at present. Mr. Little also pointed out that there is a large amount of heavy equipment moved along Highway 10.

Litter falling off the garbage trucks as well as litter blowing from the landfill would be seen as a problem by residents.

Although the homes in Snelgrove are serviced, there is concern about leachate leaving the landfill and affecting septic systems.

If the landfill were to go in the area, residents' satisfaction with the area would likely be reduced, with some people moving out of the area.

The residents have been confused about the plans and facts about the landfill and this has created anxiety and uncertainty. They are afraid that the Region might want to expand the size of the landfill. Older people don't want to have to leave the area and start over. Mr. Little feels that each community should have their own dump.

The increase in truck traffic may affect a number of facilities along Highway 10 in Snelgrove:

i) Snelgrove Baptist Church - just north of Mayfield Road on Highway 10. It has been idle for the past 10 years but is being renovated with plans to reopen. They have no parking facility so cars would park along Highway 10.

ii) Community Hall - Highway 10 just south of Mayfield. The concern is about reduced access. The Hall is operated by the Lions Club and is used by the Dutch Reformed Church for services; a senior citizens group; and, is rented for receptions (has kitchen facilities).

iii) Fire Hall - next door to Community Hall - concern is about reduced access.

Residents are also concerned about the potential conflict between school buses and landfill trucks. Regular school buses run along Mayfield to the following schools: Herb Campbell, Mayfield, Alloa, Creditview. Special buses go to the Field Study Centre in Terra Cotta.

Suggested mitigation for truck traffic impacts: don't add landfill trucks to Mayfield or Highway 10.

Meeting with Mr. Bill Taylor
Re: Sub-Community - Snelgrove
October 10, 1986

Mr. Taylor feels that additional landfill truck traffic coming from Caledon would be the most significant concern. However, he didn't know if this would be much of a problem since the area already experiences significant amounts of truck traffic. Truck traffic along Mayfield Road has become much heavier over the past 10 years.

Another concern is the possibility of odour from the landfill if the wind blows a certain direction. This is seen as likely to be more of an occasional problem than a persistent one.

Mr. Taylor foresees no impact on local facilities in Snelgrove. He feels it is hard to say how people will react to the landfill if it goes in but he suspects a few may become less satisfied with Snelgrove and a small number might even sell their homes and move out of the community.

To mitigate the truck traffic impact he suggested that trucks go across #27 to the 2nd line.

Overall he expects the landfill to have a very small impact on the Snelgrove community.

Meeting with Mary Garbutt
Re: Sub-Community - Huttonville
October, 1986

Mrs. Garbutt lives on Mississauga Road north of the Village of Huttonville which she considers to be the last long-standing community in Brampton. Her family used to farm in the area and have lived in the community for many generations (since 1917). She considers herself very much part of the Area I and II community. She goes to church at Home United in Mayfield. She is more closely tied to that community than the actual village of Huttonville which is composed of new residents, many of whom are commuters. The residents of Huttonville can be broken into two groups:

i) those in the village proper;
ii) those who live along Mississauga Road.

Impact on the Village

Their concerns are fewer because they are serviced with water. Main concern would be increased truck traffic creating safety and noise impacts. They would also lose a scenic drive out of the area (traffic and dump). She feels that some residents in the village might move from the area and they might be more likely to do this since they don't have deep roots in the community. She didn't feel any facilities in the village would be impacted but there would be conflict with school buses.

Impacts Along Mississauga Road

Although the new estate homes along Mississauga Road are serviced, the other residences and farms are not. There are many concerns about potential contamination of their water supply including:

- don't know what is in the garbage to leach out.
- alternative water for farmers - who will pay the bill?
- how do you prove water contamination?
- animals may drink contaminated water in streams even if an alternate source is supplied.

They are also very concerned about traffic impacts. Residents and farmers presently have problems gaining access to their property due to heavy truck and car traffic. Landfill trucks would add to the problem. Other traffic concerns include: noise; exhaust pollution; safety; litter; loss of scenic drive. They are also concerned about potential traffic problems at the railway crossing on Mississauga Road which sometimes doesn't work properly.

Mrs. Garbutt feels it is unfair that the dump be put in an agricultural area where little waste is produced. Also, the landfill should be sited in an area where everyone downstream is already serviced.

In terms of compensation, she feels this should not be judged solely on distance from the landfill. Consideration should be given to a resident's view, investment in the property/facilities, whether they are downstream, or along an access route. In addition, renters of farm property should be compensated as well as owners since renters have a financial interest as well.

Meeting with Diana Cleave
Re: Sub-Community of Huttonville
October 1, 1986

Background

The Cleaves own Cleaveview Farms as well as the McClure farm next door. In addition, they own other farm property north of Highway 7.

Concerns

Mrs. Cleave feels that key concerns of those people living in Huttonville are:

1. Traffic Problems
2. Water Contamination.

1. Traffic

There is an existing traffic problem along Mississauga Road. With the large number of trucks (i.e. Nielson Trucks from Georgetown), school buses, GO-Buses (36 a day) and cars, this has created limited access to properties (especially left-hand turns), and significant conflicts with farm machinery. There are a large number of accidents along the road with the slick road surface contributing to the problems. The transfer trucks do not obey the traffic lights, especially at Highway 7 and Mississauga Road; drivers just "lean on the horn" and go through. Mrs. Cleave believes the landfill truck drivers will act in a similar fashion.

The bridge in Huttonville is constantly in need of repairs. The pavement on the bridge periodically heaves restricting access to the bridge. Truck traffic from the landfill would increase the vibrations on the bridge and increase problems with heaving pavement.

While Mississauga Road north of Huttonville could be expanded to four lanes, there is insufficient room to do so within the Town of Huttonville.

Material will fall off the landfill trucks or other private vehicles bringing refuse to the site. In a rural area there are insufficient services to clean-up this litter which might make the roads slick and hazardous. The garbage may also be eaten by farm animals resulting in illness.

There already exists a conflict between school buses and other vehicles along Mississauga Road and this would increase with the addition of landfill trucks. The peak times for conflict are 2:45 p.m. to 4:45 p.m.

Traffic occasionally backs up on Mississauga Road when the railway crossing is not operating properly.

2. Water

Although the Village proper is on municipal water as are the new estate homes along Mississauga Road, the majority of properties along Mississauga Road are on well water. Since Huttonville is downstream of Area I and II, well users are concerned about the potential for wells and creeks to be contaminated. This would pose a threat to humans, animals, and crops. For this reason she feels that a landfill is not suitable for agricultural land.

Suggested Mitigation and Compensation

1. Give the unserviced area city water for free. She points out that purchasing the large amounts of water needed for a farm would be very expensive.

2. If the landfill must go in an agricultural area then the area should be rezoned for industrial use. The farmers can then sell and relocate elsewhere. She feels that it would not be difficult for farmers to get land elsewhere.

3. Use 2nd Line as a truck by-pass. While 1st Line would be a better alternative, there is no room to expand the road into a bypass.

Meeting With Mr. and Mrs. C. Carberry, Mr. and Mrs. R. Shaw
Re: Sub-community - Hamlet of Tullamore
October 6, 1986

The Hamlet of Tullamore was first settled during the 1820s. It served as a transfer point for grain shipments from areas as far north as Owen Sound to Weston and Toronto. A store established by one of the found residents still remains as a remnant of the Hamlet's historic past.

Both the Carberrys and the Shaws are descendents of early Tullamore settlers.

After the turn of the century, business at the local granaries fell off and they eventually closed. The settlement was to have been the county town, a development which would have likely sustained the Hamlet. But a decision by the railway company to route their line through Malton instead of through Tullamore hastened the decline of the Hamlet.

There are at present nine residences within the Hamlet of Tullamore. Brampton's Official Plan has designated Tullamore as an area of Hamlet expansion. Both the Carberrys and the Shaws regard this as Tullamore's "second chance", that it is at a potential turning point. The Official Plan envisages an expansion of Tullamore which would involve 2 or more businesses, 2-3 stores, and 15-20 houses. The concern among residents is that the landfill will prevent such development and that the community will continue to decline.

Residents of Tullamore value its "rural" atmosphere - small, friendly community where everyone knows their neighbours.

The landfill is perceived as "dirty" and as a "threat" to people's health. The impact of the landfill would extend well beyond its operational phase; the landfill site will remain stagnant for a long time (i.e., it cannot be developed for 25 years) -- a factor which will limit the development of Tullamore; and people will be concerned about buying land near the landfill site for fear of hazaradous effects 20 years down the road -- the technology has not been proven safe.

From the point of view of residents, the landfill will have a blighting effect on the community. It is seen to be incompatible with the rural Hamlet character that is Tullamore's basic attraction and valued characteristic. It was felt that this blighting effect, at least with respect to the dirt and noise that would come with the truck traffic, would be exacerbated by the opening of the American Motors plant.

It was noted that the decline of Tullamore and the dispalcement of 2-3 families would not likely affect the Salem United Church (built in 1862). The church congregation would likely remain stable since it draws on residents from other areas.

The key informants felt that the community did not have much confidence in the Region's ability to manage and police the site -- the Region has difficulty now policing sites in terms of what gets dumped (trucks come in from outside the Reigon; don't know what's in the trucks; there is no weigh scale in Caledon). And it is felt that the Region is not as open as it could be in providing information to the community -- "information is hard to get".

If the landfill is to be located in Site 6, then the following mitigation measures should be considered: keep the landfill operations as far as possible from the Hamlet of Tullamore in order to help to preserve the "Hamlet image"; and the landfill should not front on Airport Road.

Meeting with Professor's Lake Residents Association
Re: Sub-community - Professor's Lake
October 6, 1986

Present at the meeting: Peter Petryshyn (Chairman)
Alan Thomas (Vice-Chairman)
Richard Brock (Executive Director)
Note: there are 11 residents on the executive of the Association and it has been in existence for 3 years

The Association feels that one of the main community concerns is that the process of siting the landfill has been far too political -- that citizens can make input to consultant studies but that it will not likely account for much because these studies tend to get ignored by decision-makers.

Much of the concerns relating to the landfill itself centered around risk and uncertainty.

Professor's Lake has a water quality problem that has not yet been sorted out. A study is underway but no results are available or have been made available to the community (the residents say that they can't seem to get any straight answers from Public Works, Regional Health Unit, Parks and Recreation). The residents fear that the old landfill located beside the Lake is a source of contamination. They also fear that the new landfill will add to the Lake's water quality problems because seagulls feeding at the landfill will be attracted to the lake and foul it (it was felt that it was inappropriate to put a forage site near a body of water used for recreation).

Area already known as the "inhilator capital of Canada". What effect will truck traffic from landfilling operations, when coupled with traffic generated by the American Motors plant, have on air quality? No one seems to be studying this. The Region should first find out why the area has such a high incidence of respiratory problems among children before facilities are allowed to go in which will contribute to air quality problems. The American Motors plant is expected to generate 1,000 cars per shift or 3,000 total per day.

Household hazardous wastes and pathological wastes as well as other potentially hazardous materials may get into the landfill. There is not and cannot be sufficient control over what goes into the dump.

The landfill will be backfilled. Where will the dirt come from? What kind of quality control will be exercised? Who will regulate this? The residents do not have much confidence or trust in the Region's or MOE's ability to manage this aspect of the landfill ("the record doesn't show that citizens have been taken care of").

There is definite concern among the residents that their property values will decline if the landfill is sited here. People bought into Professor's Lake community because of the lake and because it has an image of being a "retreat"; if the lake becomes further contaminated, there will be no community because many people will move out and the community will change substantially in social character.

There is concern about traffic safety. Cycling is quite popular in the community but parents may feel that they should restrict the children's use of bikes. The concern is not just with truck traffic but also with the number of small cars likely to go to the site on weekdays and more importantly on weekends. Such traffic will be hard to control in terms of routes used. It is felt that traffic is not adequately regulated now -- "there is an absolute absence of enforcement of traffic regulations for commercial vehicles, a fact borne out by the traffic accident statistics".

There is concern about the impact of noise and litter on the quality of life in the community.

The area north of Bovaird was rezoned from agriculture to residential. The residents are concerned that if a dump goes in it will be rezoned to industrial (the landfill will be a catalyst to draw other industries) or that the type of housing that will go in will be of lower quality (zero lot lines) and that a "ghetto" will be created of people who are in trouble economically and socially (don't want another Jane-Finch corridor). The position of the Association is that the landfill is basically incompatible with a densely populated residential area -- that it should be located near or in an industrial area (as was the case with sites B, 5, 6, 7).

It is felt that the site can be engineered but that political interference will result in compromises that are not in the best, long-term interest of the public -- "politicians will try to save money and thus will set constraints on the kind of technology and engineering that can be done". Citizens have no control over the protection of their environment -- "we live in the area but what happens to it is apparently none of our business as far as the politicians are concerned".

Suggested ways in which the facility could be made more acceptable included:

- -make it smaller and of shorter duration: does it have to be 40 years? not equitable -- it should be in everyone's backyard; and not wise to concentrate the impacts all in one place (siting a number of small landfills will means less traffic at each place, less future risk of environmental problems at each site, etc.); 40 years is felt to be too long a timespan to make a commitment when the facility involved is a noxious one.

- -site should be located in the northern part of the siting option.

- -the operation should be a high technology one -- sell some of the garbage (treat it as a resource as is done in Europe); it should include a sub-station for reprocessing of waste materials (e.g., organic soil) instead of being just a big hole); turn the dump into a positive and practical economic venture that would contribute to social well-being.

-need some fundamental changes in institutional arrangements especially those involving enforcement of safety and environmental regulations.

-there should be a citizens monitoring committee that has some "bite" and power; it could take the form of a review board.

-the after-use of the site should involve something socially beneficial.

Appendix 7

Service/Facility Owner/ Operator Contacts

During the data collection phase of the study, the owners and/or operators of twenty-one services and facilites were contacted. These included all services and facilities within the Primary Impact Study Area, as well as a number of services or facilities within the community boundary and sub-communities which had either been the subject of a submission to the Region of Peel or identified by a Community Liaison Committee.

Most of the owners/operators were interviewed by phone but, where appropriate, face-to-face meetings were held. A structured questionnaire format was employed to ensure consistency in approach to data collection. The objectives were to gather information about the services/facilites and to solicit the concerns of those consulted regarding the proposed landfill and its implications for their service or facility.

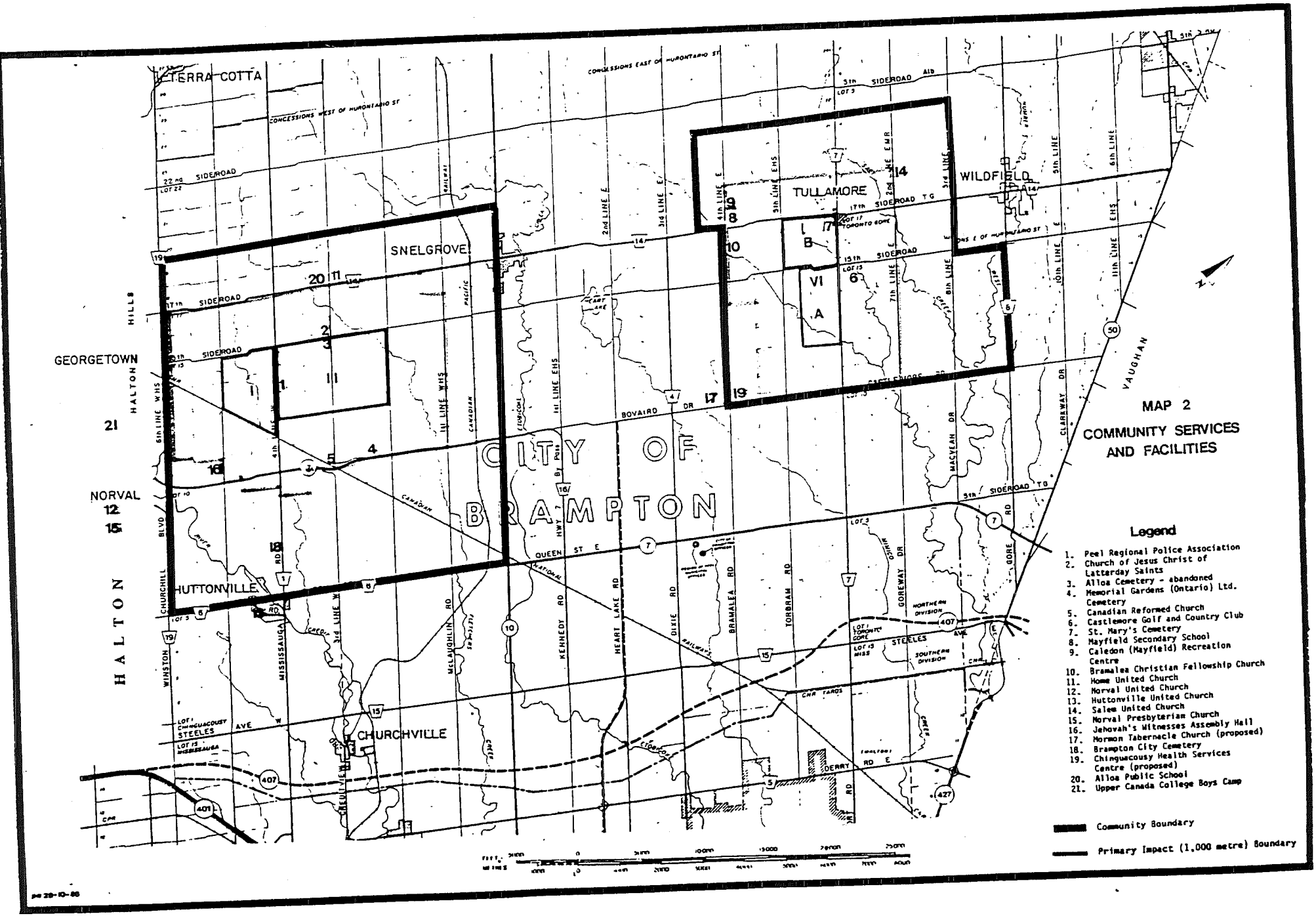
This appendix documents the information obtained in this process.

TABLE 1: LIST OF FACILITIES AND OWNER/OPERATOR CONTACTED.

Facility Name	Contact	Date
Alloa Public School	John Greeniaus Planner, Peel Board Of Education	July 18, 1986
	Barry Fendley Principal	September 26, 1986
Mayfield Secondary School	John Greeniaus Planner, Peel Board of Education	July 18, 1986
	David Craig Principal	September 24, 1986
Canadian Reformed Church of Brampton	Rev. G Nederveen Minister	September 23, 1986
Home United Church	Rev. Walter Ridley Minister	September 24, 1986
Norval United Church	Rev. Walter Ridley Minister	September 24, 1986
Huttonville United Church	Rev. Walter Ridley Minister	September 24, 1986
Norval Presbyterian Church	Rev. Angus Sutherland Minister	September 23, 1986
Mormon Tabernacle (Proposed)	Karen Carney Treasurer	December 19, 1986
	Sam Moore Minister (declined comment)	September 23, 1986

Salem United Church	Rev. Katherine Irwin Minister	October 10, 1986
Church of Jesus Christ of Latter-Day Saints	Bishop Templeman Bishop for Region of Peel	July 14, 1986
Jehovah's Witnesses Assembly Hall	Bob Nicoll Chairman of the Board of Directors	July 14, 1986
Bramalea Christian Fellowship Church	Rev. Peter B. Morgan Minister	July 10, 1986
Brampton City Cemetery	Jim O'Connor City of Brampton, Parks and Recreation Department	July 10, 1986
Memorial Gardens	Cathy Kirk Landscape Architect, Memorial Gardens (Ontario) Ltd.	July 14, 1986
St. Mary's Cemetery	Syl Miniaci Salesperson	July 14, 1986
Alloa Cemetery	City of Bramption, Parks and Recreation Department	October 28, 1986
	Rev. Walter Ridley Home United Church	December 7, 1986
Caledon Recreation Centre	Garth Young Manager	September 24, 1986
Upper Canada College Boys Camp	John Dray Upper Canada College	July 10, 1986

Peel Regional Police Association Recreation Centre	Mr. Gilmore Director	July 14, 1986
Castlemore Golf and Country Club	Ken Venning Pro-Manager	July 10, 1986
	Melvin Brown Shareholder	October 10, 1986
Chinguacousy Health Services Centre (proposed)	Jim Yarrow Chairman	July 15, 1986
	Susan Burns Peel Health Council	September 19, 1986
	Bram Kirshner Region of Peel Health Department.	October 15, 1986


TERRA COTTA
SNELGROVE
TULLAMORE
WILDFIELD
GEORGETOWN
NORVAL
HUTTONVILLE
CHURCHVILLE
CITY OF BRAMPTON
VAUGHAN
HALTON HILLS
HALTON
MAP 2
COMMUNITY SERVICES AND FACILITIES
Legend
1. Peel Regional Police Association
2. Church of Jesus Christ of Latterday Saints
3. Alloa Cemetery - abandoned
4. Memorial Gardens (Ontario) Ltd. Cemetery
5. Canadian Reformed Church
6. Castlemore Golf and Country Club
7. St. Mary's Cemetery
8. Mayfield Secondary School
9. Caledon (Mayfield) Recreation Centre
10. Bramalea Christian Fellowship Church
11. Home United Church
12. Norval United Church
13. Huttonville United Church
14. Salem United Church
15. Norval Presbyterian Church
16. Jehovah's Witnesses Assembly Hall
17. Mormon Tabernacle Church (proposed)
18. Brampton City Cemetery
19. Chinguacousy Health Services Centre (proposed)
20. Alloa Public School
21. Upper Canada College Boys Camp
Community Boundary
Primary Impact (1,000 metre) Boundary

FACILITY NAME:	Alloa Public School
SCHOOL BOARD:	Peel Board of Education
LOCATION:	Mayfield Road.
DESCRIPTION OF FACILITIES:	A main school building plus 3 portable classrooms. Recreation facilities include a soccer field and 2 baseball diamonds
GRADES:	Kindergarten to grade 8
ENROLMENT:	Capacity - 347, Present 377 Trend - increasing
ALTERNATIVE FACILITIES:	Herb Campbell P.S.
STAFF:	Teaching - equivalent of 18 full-time staff (this includes both full-time and part-time staff. Other - 1 secretary 5 casual help (eg. library, lunch room) 1 custodian 2 cleaners
SPECIAL EDUCATION:	no programs
BUSSING:	100% of students are bussed Hours of travel - 8:10 - 8:55 am - 3:30 - 4:15 pm
COMMUNITY USE OF FACILITIES:	Brownies and Beavers Monday and Tuesday evenings during the school year
CATCHMENT AREA:	Region of Peel
FUTURE PLANS:	None

POTENTIAL IMPACT OF LANDFILL ON FACILITY:

- Residents may leave the area and in turn reduce enrolment at the school.
- Nuisance impacts such as noise and dust from landfill trucks
- Gulls and rodents attracted to the area.
- School would have to increase safety precautions (e.g., obtain a crossing guard.
- Increased maintenance of school property (eg. washing school buses) due to dust and litter from the landfill trucks.
- Conflict between school buses and landfill truck traffic.
- Reduced access to the School due to increased truck traffic.

FACILITY NAME:	Mayfield Secondary School
SCHOOL BOARD:	Peel Board of Education
LOCATION:	Mayfield Road
DESCRIPTION OF FACILITIES:	A main school building plus tennis courts, football field, track, soccer field and baseball diamond.
GRADES:	High school (grades 9-13)
ENROLMENT:	o Capacity - 1440 (Ministry of Education) or 1380 (Peel Board of Education). o Present - 1635 (over capacity). o Trends - increasing. Note: a new school may be built in the Heart Lake area which would result in some students transfering.
ALTERNATIVE FACILITIES:	None in the area
STAFF:	Teaching: 90 (including full-time and part-time) Other: 16 including teachers aides, casual, administrative, secretarial, custodians and cleaners.
SPECIAL EDUCATION:	No special education classes
BUSSING:	100% of students are bussed Hours of travel - 7:20 - 9:00 am 3:15 - 5:00 pm
COMMUNITY USE OF FACILITIES:	o Regular users - sports clubs, 4 evenings/week during the school year. o Occasional users - awards nights, parties, public meetings. Used mainly during the school year, in the evenings.
CATCHMENT AREA:	North Brampton, Caledon, Caledon East, Terra Cota, Inglewood.
FUTURE PLANS:	The Board plans to introduce a regional program for the arts at Mayfield Secondary School.
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	o The increased traffic resulting form the landfill will pose a safety risk to users of the school. o Potential conflict between school buses and landfill truck traffic. o Residents may leave the area resulting in reduced school enrolment. o Noise and dust from landfill truck traffic.

FACILITY NAME:	Canadian Reformed Church of Brampton
OWNERSHIP:	Owned by Congregation
LOCATION:	Creditview Road and Highway 7
DESCRIPTION OF FACILITIES:	Sanctuary plus basement for meetings and classes.
MEMBERSHIP:	Approximately 220
MEMBERSHIP TREND:	Increasing
SERVICES:	Sunday at 10:00 am and 2:30 pm Average attendance is approximately 220
CHURCH USE OF FACILITY:	Catacism - Monday 7:00 pm; approximately 24 attend Choir - Tuesday 7:00 pm; approximately 30 attend Societies - Wednesday 7:00 pm; approximately 15-30 attend Other activities include: meetings, weddings, funerals.
FREQUENCY OF USE:	Evening use predominates
CATCHMENT AREA	Majority of members come from the Brampton/Bramalea area.
ALTERNATIVE FACILITIES:	None
TRANSPORTATION:	100 % by car
COMMUNITY USE OF FACILITY:	No community use
FUTURE PLANS	Because the church is at capacity, they are considering expanding either on the present site or on a nearby site.
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	o Depends upon how close the church is to the landfill. o Potential church well-water contamination. o Depreciation of the church's property value and selling price.

FACILITY NAME:	Home United Church
OWNERSHIP:	United Church of Canada (congregation owns the church)
LOCATION:	Mayfield Road
DESCRIPTION OF FACILITIES:	Sanctuary
MEMBERSHIP:	60 active members
MEMBERSHIP TREND:	increasing
SERVICES:	Sunday (10:00 am) Average attendance is approximately 50
CHURCH USE OF FACILITY:	Choir practice - Sunday; approximately 10 people Meetings/Brunch - Sunday; approximately 50 people Committee meetings - Monthly (evenings) Bazaars or dinners - 3-4 times a year
FREQUENCY OF USE:	Predominantly Sunday use
CATCHMENT AREA:	Most are from the nearby area. Seventy-five percent live within the Area I and II community boundary.
ALTERNATIVE FACILITIES:	None nearby; churches in Huttonville and Norval.
TRANSPORTATION:	100% by car
COMMUNITY USE OF FACILITY:	4-H training courses - 5-6 times a year. Occasionally rented for dinners and weddings (not receptions)
FUTURE PLANS:	None at present
POTENTIAL IMPACT OF LANDFILL FACILITY:	Many members would sell their homes and leave the area. The congregation would be reduced in size but not enough to close its doors.

FACILITY NAME:	Norval United Church
OWNERSHIP:	United Church of Canada
LOCATION:	Norval
DESCRIPTION OF FACILITIES:	Sanctuary
MEMBERSHIP:	144 members
MEMBERSHIP TREND:	Increasing slightly
SERVICES:	Sunday (11:00 am) Average attendance is approximately 80
CHURCH USE OF FACILITY:	Choir - Wednesday evening Youth group meeetings - occasionally Committee meetings - monthly Dinners/concerts/bazaars - 1-2 times a year
FREQUENCY OF USE:	Evening use predominates
CATCHMENT AREA:	o Bounded by 15th sideroad; Steeles Ave; Mississauga Road; and the Halton Border o Fifty percent of the congregation lives within the Area I and II community boundary
ALTERNATIVE FACILITIES:	Local recreation centre
TRANSPORTATION:	95% by car
COMMUNITY USE FO FACILITY:	Weddings (8-10 per year)
FUTURE PLANS	None at present
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	Maybe some limited effect (not specific)

FACILITY NAME:	Huttonville United Church
OWNERSHIP:	United Church of Canada
LOCATION:	Huttonville
DESCRIPTION OF FACILITIES:	Sanctuary
MEMBERSHIP:	130 members
MEMBERSHIP TREND:	Increasing slightly
SERVICES:	Sunday (10:00 am) Average attendance is approximately 60
CHURCH USE OF FACILITY:	Choir - 1 evening a week Youth clubs - 1 evening a week Play school - 3 mornings a week Women's meetings - monthly Committee meetings - monthly
FREQUENCY OF USE:	Evening and morning use predominate
CATCHMENT AREA:	Huttonville and surrounding area. Thirty to forty percent of the congregation lives within the Area I and II Community boundary.
ALTERNATIVE FACILITIES:	Huttonville public school
TRANSPORTATION:	95% by car
COMMUNITY USE OF FACILITY:	Weddings (approximately 15 per year)
FUTURE PLANS:	No definite plans Possible addition of a second floor
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	o Negligible effect on the church. o More traffic on Mississauga Road.

FACILITY NAME:	Norval Presbyterian Church
OWNERSHIP:	Presbyterian Church of Canada
LOCATION:	Norval
DESCRIPTION OF FACILITIES:	Sanctuary, church office and full basement which is used as a meeting place. The manse abuts the church property.
MEMBERSHIP:	125 members
MEMBERHIP TREND:	Stable
SERVICES:	Sunday Average attendance 55-60
CHURCH USE OF FACILITY:	Choir practice and Bible study - Wednesday evening; approximately 35 users Church management meetings - irregular
FREQUENCY OF USE:	Aside from Sunday and Wednesday evening, occasional use predominates
CATCHMENT AREA:	Georgetown, Norval, Milton, Brampton, Bramalea
ALTERNATIVE FACILITIES:	Union Presbyterian
TRANSPORTATION:	90% drive; 10% walk
COMMUNITY USE OF FACILITY:	Rarely used by non-members Emergency shelter for a local day-care centre
FUTURE PLAN:	May expand Sunday school facilities Long range plan to expand church proposal to have the church declaired a heritage site.
POTENTIAL IMPACT OF LANDFILL ON FACILITY	o Possible decrease in congregational size (10-11 families live in the study area). o Loss of families may threaten the viability of the church. o There would be a financial loss to the church if families moved out of the area because of the landfill.

FACILITY NAME: Mormon Tabernacle Church (proposed)

LOCATION: The proposed site is on Bramalea Road, north of Bovaird

When contacted by our staff, the representative of the Mormon Church, Mr. Moore, declined to answer questions concerning their proposed facility. He stated that their concerns were already public knowledge since they had made an earlier submission to the Region regarding the impact of the landfill on their proposed church.

FACILITY NAME:	Salem United Church
OWNERSHIP:	United Church of Canada
LOCATION:	Goreway Drive north of Mayfield Road
DESCRIPTION OF FACILITIES:	Sanctuary and cemetery (in use) Heritage foundation building
MEMBERSHIP:	86 members
MEMBERSHIP TREND:	Stable
SERVICES:	Sunday (11:30 am) Average attendance approximately 30
CHURCH USE OF FACILITY:	Activities include: committee meetings Sunday school, funerals, U.C.W., Weddings
FREQUENCY OF USE:	Occasional use predominates (1-2 time/week)
CATCHMENT AREA:	Immediate area.
ALTERNATIVE FACILITIES:	Sandhill United or Mayfield United.
TRANSPORTATION:	100% by car
COMMUNITY USE OF FACILITY:	No community use
FUTURE PLANS:	None at present
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	Some members would leave the area due to the landfill and this could result in the church closing.

FACILITY NAME:	Church of Jesus Christ of Latter-Day Saints
OWNERSHIP:	Church owned
LOCATION:	Wanless Drive
DESCRIPTION OF FACILITIES:	Sanctuary and church hall (gynmasium and classrooms)
MEMBERSHIP:	800 Members
MEMBERSHIP TREND:	Increasing
SERVICES:	Every evening Average attendance approximately 100 per service on week nights, more on weekends.
CHURCH USE OF FACILITIES:	Activities include: youth leadership seminars; marriage enrichment courses, personal study, nursery school. Average number of users for these activities is 120/week.
FREQUENCY OF USE:	Regular evening and weekend use.
CATCHMENT AREA:	Brampton, Mississauga, Orangeville, Bolton.
ALTERNATIVE FACILITIES:	Etobicoke
TRANSPORTATION:	100% by car
COMMUNITY USE OF FACILITIES:	Facilities are lent to groups such as the Boy Scouts and Canadian Girls in Training during week nights.
FUTURE PLANS:	None
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	o Seagulls. o Increased traffic along access routes to the church.

FACILITY NAME:	Jehovah's Witnesses Assembly Hall
OWNERSHIP:	Church owned
LOCATION:	Heritage Road near Highway 7
DESCRIPTION OF FACILITIES:	Auditorium, cafeteria, conference rooms, two apartments (for caretakers)
MEMBERSHIP:	200,000 - 300, 000 people will use the Assembly Hall this year. Users come from other Kingdon Halls.
MEMBERSHIP TREND:	Increasing
SERVICES:	Religious seminars on weekends Average attendance is 1200 to 2000 per weekend
CHURCH USE OF FACILITIES:	Religious seminars, 47 weeks out of the year
FREQUENCY OF USE:	Weekend use only
CATCHMENT AREA:	Most from within a 60 mile radius.
ALTERNATIVE FACILITIES:	None
TRANSPORTATION:	Car or bus
COMMUNITY USE OF FACILITY:	No community use Available as an emergency facility
FUTURE PLANS:	None at present
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	o Contamination of church well water. o Increase in local traffic due to landfill trucks. o Any changes to the present environment resulting from the landfill.

FACILITY NAME:	Bramalea Christian Fellowship Church
OWNERSHIP:	Church Owned
LOCATION:	Bramalea Road
DESCRIPTION OF FACILITIES:	Sanctuary
MEMBERSHIP:	100 Members
MEMBERSHIP TREND:	Stable
SERVICES:	Wednesday, Friday, and two on Sunday Average Attendance is 100
CHURCH USE OF FACILITY:	No church sponsored programs
FREQUENCY OF USE:	Just for services
CATCHMENT AREA:	Brampton/Bramalea
ALTERNATIVE FACILITIES:	Would build another church
TRANSPORTATION:	All by car
COMMUNITY USE OF FACILITY:	No community use
FUTURE PLANS:	Long term plans for a day school
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	o Not certain whether there would be any direct effect on the Church. o Increased traffic on access routes could conflict with parishioners travelling to church.

FACILITY NAME:	Brampton Cemetery
OWNERSHIP:	City of Brampton
LOCATION:	Mississauga Road south of Highway 7
STATUS:	Operational (established in 1861)
ALTERNATIVE FACILITIES:	Meadowvale Cemetery or Memorial Gardens
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	No concerns. Minimal effect on operation of Cemetery.

FACILITY NAME: Memorial Gardens Cemetary

OWNERSHIP: Memorial Gardens (Ontario) Limited

LOCATION: Second Line West and Highway 7

STATUS: Operational since July, 1986

POTENTIAL IMPACT OF LANDFILL ON FACILITY:

- o Potential conflict between funeral traffic and landfill related truck traffic.
- o Funerals may be affected by noise from the landfill truck traffic and pollution from the landfill site.

FACILITY NAME:	Brampton Cemetery
OWNERSHIP:	City of Brampton
LOCATION:	Mississauga Road south of Highway 7
STATUS:	Operational (established in 1861)
ALTERNATIVE FACILITIES:	Meadowvale Cemetery or Memorial Gardens
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	No concerns. Minimal effect on operation of Cemetery.

FACILITY NAME: Memorial Gardens Cemetary

OWNERSHIP: Memorial Gardens (Ontario) Limited

LOCATION: Second Line West and Highway 7

STATUS: Operational since July, 1986

POTENTIAL IMPACT OF LANDFILL ON FACILITY:

- o Potential conflict between funeral traffic and landfill related truck traffic.
- o Funerals may be affected by noise from the landfill truck traffic and pollution from the landfill site.

FACILITY NAME:	St. Mary's Cemetery
OWNERSHIP:	Operated by Toronto Catholic Cemetery Association, the Archdiocese of Toronto
LOCATION:	Airport Road near Mayfield Road
STATUS:	Operational (established around 1900)
ALTERNATIVE FACILITIES:	Not known
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	No concerns. Landfill would affect the cemetery "not too badly".

FACILITY NAME: Alloa Cemetery

OWNERSHIP: Home United (Alloa) Church

LOCATION: Corner of Creditview Road and Wanless Drive

STATUS: Pioneer cemetery. Abandoned

FACILITY NAME: Caledon Recreation Centre

OWNERSHIP: Town of Caledon

LOCATION: Bramalea Road

DESCRIPTION OF FACILITIES:
- o An arena (1200 seats)
- o A pool (25m with 3m diving)
- o Tennis courts (4)
- o Baseball diamond
- o Football field
- o Meeting room

PROGRAM/ ACTIVITIES:
- o Pool - Swimming lessons, diving club, swim club, public swims and school swimming activities.
- o Arena - 2 minor hockey organizations, 1 Jr. "C" team, 5 industrial leagues, public skating. In the summer there is lacrosse and as well as a hockey school.
- o In addition a number of special events are held during the year such as: craft shows, hockey tournaments, a water show and hunter safety events.

HOURS/SEASONS OF OPERATIONS:
- o Building is open year-round.
- o Monday-Friday, 5:00 am - 12:00 pm.
- o Weekends, 7:00 am - 1:00 am.

PEAK USE:
- o Monday - Friday, 5:00 pm - 10:00 pm
- o Weekends, 10:00 am - 9:00 pm
- o Seasonally, the fall is the busiest

USER PROFILE:
- o No membership
- o The majority of pool users are 3-15 yrs of age.
- o The majority of ice users are 16-30 yrs. of age.
- o during the school year, approximately 390 people use the pool per day.
- o During the week, approximately 100 users/day use the arena. This would increase to 600-700 per day on weekends with an additional 300 spectators.

LEVEL OF USE: All pool time is booked and ice rental time is 95% to to 100% booked.

CATCHMENT AREA: Heart Lake, Caledon East, Bolton, Wildfield, Tullamore.

TRANSPORTATION:	Private car
ALTERNATIVE FACILITIES:	Professor's Lake, Loafers Lake, Terry Miller Arena
FUTURE PLANS:	None
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	The landfill would not affect the number of facility users unless odours discouraged some people from using the facility.

FACILITY NAME:	Upper Canada College Boys Camp
OWNERSHIP:	Upper Canada College
LOCATION:	Norval
DESCRIPTION OF FACILITIES:	Two buildings to house users with classrooms, sleeping facilites, kitchen, dining room. Camping facilities are also available. Used mainly for outdoor studies.
PROGRAM/ ACTIVITIES OFFERED:	Outdoor/Ecological Studies - wildlife Programs depend on users
HOURS/SEASONS OF OPERATION:	Open year-round
PEAK USE:	During the week, during school year
USER PROFILE:	o When U.C.C. is not using the facilities, they are rented out to various other groups, mainly high schools (eg. Branksome Hall, St. George's College, University of Toronto Schools) during the school year. On weekends, the facilities are used by other local groups (eg. Boy Scouts, Cadets). o In the summer months, the facilities are used by camps or for summer-time conferences. o The program offered is dependent on the user, i.e. each school has its own program. o Users usually come in groups of 30 as that is the capacity of each building.
CAPACITY OF USE:	60 people (30 people per building) If camping facilities are used, capacity is higher
CATCHMENT AREA:	Mainly Toronto and other neighbouring areas
TRANSPORTATION:	Buses or private cars
ALTERNATIVE FACILITIES:	There aren't any geared towards ecological/outdoor studies
FUTURE PLANS:	None

POTENTIAL IMPACT OF LANDFILL ON FACILITY:

- Want to be assured that proper safeguard will be taken in respect to the landfill.
- Is concerned about ground water being polluted.
- The effect of the landfill on the wildlife in the area.
- Blowing litter.
- Increased truck traffic on access routes to the landfill.

FACILITY NAME:	Peel Regional Police Association Recreation Centre
OWNERSHIP:	Peel Regional Police Association
LOCATION:	Mississauga Road
DESCRIPTION OF FACILITIES:	There are two buildings. One contains an office, lounge for police officers, banquet hall, sauna and locker rooms. The second is a concrete barn. In addition there are 2 baseball diamonds and soccer fields.
PROGRAM/ ACTIVITIES:	o Police officers use the lounge at night. o Banquet hall is used for police functions or can be rented to the public (eg. weddings). o Brampton Soccer League plays exhibition games against police teams.
HOURS/SEASONS OF OPERATIONS:	Office - 8:30 -5:00, Monday - Friday Lounge - 4 nights a week, year-round
PEAK USE:	evenings, until 1:00 am Stead year-round
USER PROFILE:	Membership - 1000+
CAPACITY OF USE:	Banquet Hall - 154 Lounge - 100
CATCHMENT AREA:	Wherever officers live, mainly the City of Brampton
TRANSPORTATION:	Private cars
ALTERNATIVE FACILITIES:	None
FUTURE PLANS:	o Construction of a swimming pool, tennis courts, children's playground and racquet ball courts. o Want to open up the facility to the community and make it available for use by the disabled.
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	o Potential contamination of their well-water due to the landfill. This would force the facility to close. o Increased traffic due to the landfill could create accessibility problems for facility members. o Seagulls would be attracted to the area. o Litter would blow from the landfill site.

FACILITY NAME:	Castlemore Golf and Country Club
OWNERSHIP:	Private Shareholders
LOCATION:	Airport Road
DESCRIPTION OF FACILITIES:	o 27 hole golf course o indoor/outdoor tennis courts o swimming pool o banquet/dining facilities o Note: semi-private club, open to both the public and to members.
PROGRAM/ ACTIVITIES:	In addition to its sport programs, the club hosts a number of charitable events, weddings, fashions shows and tournaments during the year. It is also the site of community meetings and political gatherings.
HOURS/SEASONS OF OPERATIONS:	Year-round; 7 days/week; dawn - 2:00 am
PEAK USE:	Daily (summer) - dawn - dusk (winter) - 9:00 am - 9:30 pm Seasonally - busier during the golf season
USER PROFILE:	Membership - 500 tennis members; 300 golf members
CAPACITY OF USE:	As a semi-private club it is close to capacity. The level of use over the past three years has increased significantly.
CATCHMENT AREA:	The Region of Peel and Toronto.
TRANSPORTATION:	Private cars
ALTERNATIVE FACILITIES:	Nothing comparable in the immediate area. May go to Bolton or Georgetown.
FUTURE PLANS:	Planned expansion of facilities within the next year include an indoor golf range, new squash courts and new pro shops.
POTENTIAL IMPACT OF LANDFILL ON FACILITY:	o Seagull droppings. o Odour from the landfill creating an unpleasant environment for members. o Litter blowing from the landfill onto the golf course. o People wouldn't want to use the club and the facility would probably close. o Increased traffic along Airport Road would make access to the club more dangerous.

FACILITY NAME: Chinguacousy Health Services Centre (proposed)

OWNERSHIP: Chinguacousy Health Services

LOCATION: Bovaird Drive and Bramalea Road

At this point in time the Health Services Centre is at the proposal stage, with a "potential" start date of 3 years from now for phase one of the development.

At the present time, the Health Services group have no concerns regarding the landfill.

Appendix 8

Public Health and Safety Concerns

Armour and Associates
Environmental Planning
Impact Assessment

Audrey Armour MES MCIP
Principal

70 Ruddington Drive, No. 105
Willowdale, Ont. M2K 2X8
(416) 229-2457

January 20, 1987

Mr. Vic Morris
Project Director
MacLaren Plansearch Inc.
33 Yonge Street
Toronto, Ontario
M5E 1E7

Dear Mr. Morris

Enclosed are the Social Impact Assessment (SIA) Survey results regarding PUBLIC HEALTH AND SAFETY.

I trust that you will find these results a useful input to your analysis of Public Health and Safety issues.

Sincerely

A. Armour

Audrey Armour, MCIP

AA:jm

Enclosure

During the study design phase of the SIA, considerable concern was expressed by residents in the three candidate areas regarding potential health and safety problems due to water contamination, number of seagulls and other vectors of disease, increased dust, and traffic congestion and interference.

PUBLIC HEALTH AND SAFETY issues were being addressed by MacLaren Plansearch Inc. as part of the overall Environmental Assessment of the proposed landfill siting options and it was decided that the SIA should not duplicate this effort. Due to the degree of public concern regarding potential health and safety problems, however, it was agreed that during the social impact assessment an attempt should be made to collect information regarding resident attitudes and concerns that could be used as further input to the MacLaren studies.

This appendix contains resident responses to three sets of questions:

1. Those relating to resident perceptions and concerns regarding any current health problem they may have which they anticipate may be affected by landfilling operations.

   This set of questions was asked only of residents in the Primary Impact Study Area.

2. Those relating to resident perceptions and concerns regarding potential impacts of the proposed landfill facility on their water use.

   This set of questions was asked of residents in the Primary and Secondary Impact Study Areas. The survey results contained in the Appendix excludes those respondents who rely solely on municipal (piped) water.

3. Those relating to resident perceptions and concerns regarding access route potential safety hazards.

   This set of questions was asked of residents along key access route segments in the Primary and Secondary Impact Study Areas. "Key" access route segments were those segments of potential access routes identified by MacLaren Plansearch as potential traffic problem segments (see: Investigations for Landfill Sites in the City of Bramption, Report to the Regional Municipality of Peel, Appendix B, Detailed Site Comparison, March 1986).

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It should be noted that the term "response rate" has a different meaning in the Secondary Impact Study Area than in the Primary Impact Area. In the latter, it refers to the percentage of households who participated in the interview survey process out of the total number of households in the Area. In the former, it refers to the percentage of questionnaires completed of those dropped-off and not total number of households in the survey area (this is not known exactly).

APPENDIX 8

TABLE 1 : PUBLIC HEALTH AND SAFETY - RESIDENT HEALTH CONCERNS
PRIMARY IMPACT STUDY AREA

	Area I	Area II	Area VI
Any relevant health problems?			
Yes	34%	74%	60%
No	66%	59%	40%
Number of Respondents	38	68	70
What kind of health problem?			
Respiratory	4%	10%	14%
Allergies/Rashes	13%	21%	36%
Stress/Anxiety	1%	2%	2%
Blood Pressure/Heart Condition	1%	4%	2%
Other	0%	1%	2%
Number of Respondents	13	26	42
Nature of concern			
Increased Frequency of Attacks	55%	75%	100%
Stress Making Condition Worse	27%	33%	17%
Other	9%	0%	0%
Not Specific/Unclear	27%	17%	5%
Number of Respondents	11	24	42

APPENDIX 8

TABLE 2: WATER USE DROP-OFF SURVEY: RESPONSE RATES

	Area I and II	Area VI
Number of Surveys Dropped-Off	113	32
Number of Surveys Completed	83	11
o Number of Non-Farm Surveys Completed	54	7
o Number of Farm Surveys Completed	29	4
Overall Response Rate	73%	34%

APPENDIX 8

TABLE 3: WATER USE SURVEY: HOUSEHOLD CHARACTERISTICS

	AREA I AND II DROP-OFF		AREA I AND II INTERVIEW[1]		AREA VI DROP-OFF		AREA VI INTERVIEW[1]	
	#	%	#	%	#	%	#	%
Average Household Size	3.3	-	3.8	-	3.8	-	3.9	-
Average No. of Children (Less than 18 years of age) Per Household	1.8	-	2.1	-	1.3	-	1.9	-
Households With Children	34	59	51	62	6	55	26	45
Households Without Children	49	41	31	38	5	45	32	55
Population 0 - 14 Years	48	18	84	27	4	10	40	18
Population 65 Years and Over	16	6	15	5	0	0	12	5
Dwellings Owned	74	90	67	79	10	91	51	86
Dwellings Rented	8	10	18	21	1	9	8	14

1. Excludes households which use municipal water as their sole source of water.

APPENDIX 8

TABLE 4: WATER USE SURVEY: WATER SUPPLY FOR HOUSEHOLD PURPOSES

	AREA I AND II DROP-OFF		AREA I AND II INTERVIEW[1]		AREA VI DROP-OFF		AREA VI INTERVIEW[1]	
	#	%	#	%	#	%	#	%
What type of water supply serves this property for households purposes?								
1. Cistern - Rain Water Only	9	11	4	5	0	0	2	4
2. Cistern - Rain Water and Purchased Water	1	1	2	2	1	9	1	2
3. Dug Well	39	47	32	38	8	73	32	57
4. Drilled Well	47	57	56	67	4	36	25	45
5. Stream	2	2	2	2	1	9	4	7
6. Pond	2	2	2	2	4	36	8	14
7. Municipal Piped	0	0	1	1	0	0	8	14
8. Other	0	0	2	2	0	0	1	2
Respondents	83		84		11		56	
Sample Size	83		85		11		59	
No Response	0		1		0		3	

1. Excludes households which use municipal water as their sole source of water.

APPENDIX 8

TABLE 5: WATER USE SURVEY: RESIDENT CONCERNS RE PROPOSED LANDFILL

	AREA I AND II DROP-OFF		AREA I AND II INTERVIEW[1]		AREA VI DROP-OFF		AREA VI INTERVIEW[1]	
	#	%	#	%	#	%	#	%
Do you have any concerns that the landfill may affect your water supply?								
Yes	65	79	78	92	8	73	53	91
No	5	6	6	7	0	0	4	7
Don't Know	12	15	1	1	3	27	1	2
Respondents	82		85		11		58	
Sample Size	83		85		11		59	
No Response	1		0		0		1	
If yes, What concerns do you have that the landfill may affect your water supply?								
1. Contamination from Landfill	54	87	72	64	8	100	47	78
2. Hydrology Concerns	14	23	22	20	1	13	8	13
3. Contamination from Spills Along Access Route	1	2	2	2	0	0	0	0
4. Landfill Technology	0	0	3	3	0	0	0	0
5. Long-Term Health Effects	3	5	4	4	0	0	3	5
6. Testing/Monitoring Technology	1	2	2	2	0	0	0	0
7. Depletion of Well Water Levels	5	8	6	5	0	0	0	0
8. Decreased Farm Production Due to Lower Water Quality	5	8	1	1	1	13	1	2
9. Difficult to Sell Produce, Milk, Beef, Etc.	5	8	0	0	1	13	1	2
10. Not Specific	2	3	0	0	0	0	0	0
Respondents	62		78		8		52	
Sample Size	65		78		8		53	
No Response	3		0		0		1	

1. Excludes households which use municipal as their sole source of water.

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APPENDIX 8

TABLE 6: WATER USE SURVEY: WATER SUPPLY FOR FARM OPERATIONS IMPACT ANALYSIS: FACILITY

	AREA I AND II DROP-OFF		AREA I AND II INTERVIEW[1]		AREA VI DROP-OFF		AREA VI INTERVIEW[1]	
	#	%	#	%	#	%	#	%
What type of water supply do you have for:								
A. Water Supply for Livestock								
1. Cistern - Rain Water Only	0	0	0	0	0	0	0	0
2. Cistern - Rain Water and Purchased Water	0	0	0	0	0	0	0	0
3. Dug Well	8	42	6	50	3	75	2	67
4. Stream	2	11	3	25	1	25	0	0
5. Pond	1	5	2	17	3	75	1	33
6. Drilled Well	11	58	4	33	1	10	0	0
7. Municipal Piped	1	5	1	8	0	0	0	0
Respondents	19		12		4		3	
Sample Size	29		15		4		6	
No Response	10		3		0		3	
B. Water Supply for Irrigation								
1. Cistern - Rain Water Only	1	10	0	0	0	0	0	0
2. Cistern - Rain Water and Purchased Water	0	0	0	0	0	0	0	0
3. Dug Well	5	50	0	0	1	100	2	100
4. Stream	2	20	0	0	0	0	0	0
5. Pond	4	40	1	100	0	0	0	0
6. Drilled Well	4	40	0	0	0	0	1	50
7. Municipal Piped	0	0	0	0	0	0	0	0
Respondents	10		1		1		2	
Sample Size	29		15		4		6	
No Response	19		14		3		4	

1. Excludes households which use municipal water as their sole source of water.

APPENDIX 8

TABLE 7: WATER USE SURVEY: QUANTITIES USED ANNUALLY IN FARM OPERATIONS

	AREA I AND II DROP-OFF		AREA I AND II INTERVIEW[1]		AREA VI DROP-OFF		AREA VI INTERVIEW[1]	
	#	%	#	%	#	%	#	%
A. For Livestock:								
1. Less Than or Equal to 50 Gallons/Day	2	14	0	0	1	33	1	50
2. 51 to 100 Gallons/Day	0	0	0	0	0	0	1	50
3. 101 to 200 Gallons/Day	0	0	1	11	0	0	0	0
4. 201 to 500 Gallons/Day	1	7	0	0	1	33	0	0
5. 501 to 1,000 Gallons/Day	2	14	1	11	0	0	0	0
6. 1,001 to 2,000 Gallons/Day	2	14	1	11	1	33	0	0
7. Greater Than 2,000 Gallons/Day	4	29	6	67	0	0	0	0
8. Not Specific	3	21	0	0	0	0	0	0
Respondents	14		9		3		2	
Sample Size	29		15		4		6	
No Response	15		6		1		4	
B. For Irrigation:								
1. Less Than or Equal to 50 Gallons/Day	1	11	0	0	0	0	0	0
2. 51 to 100 Gallons/Day	0	0	0	0	0	0	0	0
3. 101 to 200 Gallons/Day	1	11	0	0	0	0	0	0
4. 201 to 500 Gallons/Day	1	11	1	50	0	0	0	0
5. 501 to 1,000 Gallons/Day	2	22	0	0	0	0	0	0
6. 1,001 to 2,000 Gallons/Day	1	11	0	0	0	0	0	0
7. Greater Than 2,000 Gallons/Day	1	11	0	0	0	0	0	0
8. Not Specific	2	22	1	50	0	0	0	0
Respondents	9		2		0		0	
Sample Size	29		15		4		6	
No Response	20		13		4		6	

1. Excludes households which use municipal water as their sole source of water.

APPENDIX 8

TABLE 8: WATER USE SURVEY: RESIDENT CONCERNS RE PROVISION OF ALTERNATE WATER SUPPLY

	AREA I AND II DROP-OFF		AREA I AND II INTERVIEW[1]		AREA VI DROP-OFF		AREA VI INTERVIEW[1]	
	#	%	#	%	#	%	#	%
Would the provision of an alternate water supply be acceptable to you?								
Yes	27	33	32	39	2	18	22	37
No	41	51	38	45	6	55	32	54
Don't Know	13	16	13	16	3	27	5	8
Respondents	81		83		11		59	
Sample Size	83		85		11		59	
No Response	2		2		0		0	
If no, why not?								
1. Dislike Municipal Water	25	61	22	47	4	67	20	57
2. Wary of Municipal Water Quality	11	27	6	13	1	17	1	3
3. Cost of Municipal Water	16	39	8	17	2	33	6	17
4. Want Information on Alternatives	1	2	0	0	0	0	0	0
5. Not a Solution	2	5	7	15	1	17	4	11
6. Installation Problems	1	2	0	0	0	0	0	0
7. Not Specific	4	10	1	2	0	0	3	9
8. Other	1	2	3	6	1	17	1	3
Respondents	41		38		6		32	
Sample Size	41		38		6		32	
No Response	0		0		0		2	

1. Exlcudes households which use municipal water as their sole source of water.

APPENDIX 8

TABLE 8: (cont'd)

	AREA I AND II DROP-OFF		AREA I AND II INTERVIEW[1]		AREA VI DROP-OFF		AREA VI INTERVIEW[1]	
	#	%	#	%	#	%	#	%
If not certain, what are concerns?								
1. Dislike Municipal Water	0	0	2	11	0	0	1	20
2. Wary of Municipal Water Quality	1	10	3	17	0	0	1	20
3. Cost of Municipal Water	9	90	5	28	0	0	2	40
4. Want Information on Alternatives	2	20	5	28	0	0	0	0
5. Not a Solution	0	0	1	6	0	0	1	20
6. Installation Problems	1	10	0	0	0	0	0	0
7. Not Specific	1	10	2	11	0	0	0	0
Respondents	10		13		0		5	
Sample Size	13		13		3		5	
No Response	3		0		3		0	

1. Excludes households which use municipal water as their sole source of water.

APPENDIX 8

TABLE 9: WATER USE SURVEY: POSSIBLE IMPACT MITIGATION MEASURES

	AREA I AND II DROP-OFF		AREA VI DROP-OFF	
	#	%	#	%
If landfill located here, what else could the region do to help with your concerns about your water supply?				
1. Provide Municipal Hookup	9	24	1	14
2. Test Landfill Regularly	4	11	0	0
3. Test Water Regularly	3	8	1	14
4. Build Safe Landfill	3	8	0	0
5. Provide Municipal Hookup Free of Cost To Residents	8	21	3	43
6. Do Nothing	3	8	0	0
7. Guarantee Suitable Alternative Water Supply	4	11	0	0
8. Other	7	18	1	14
9. Not Specific	6	10	1	14
Respondents	38		7	
Sample Size	83		11	
No Response	45		4	

Note: This question was asked only of respondents in the Secondary Impact Study Area; in the Primary Impact Study Area the question put to those interviewed was not specific to water supply but addressed the full range of impacts which respondents associated with the proposed landfill.

APPENDIX 8

TABLE 10a: ACCESS ROUTE SURVEY: RESPONSE RATE BY AREA

A. PRIMARY IMPACT STUDY AREA

	Area I and II	Area VI
Number of Household*	34	23
Number of Household Interviewed	23	18
Response Rate	68%	78%

B. SECONDARY IMPACT STUDY AREA

Number of Surveys Dropped-Off	88	91
Number of Surveys Completed	55	46
Response Rate	63%	51%

Note:* The number of households represent an estimate of households located along access route segments within the primary impact study area. The number of households were estimated using maps compiled by the Region of Peel (Solid Waste Management Study, Landfill Site Selection, Areas I and II (June, 1985) and Area VIA and VIB, (May, 1986)) which identified the location of residential dwellings within the primary impact study areas.

APPENDIX 8

TABLE 10b: ACCESS ROUTE SURVEY: RESPONSE RATES BY ACCESS ROUTE SEGMENT

A. PRIMARY IMPACT STUDY AREA

	AREA I AND II MISSISSISSAUGA RD	HIGHWAY 7	2ND LINE W.	15TH SIDEROAD	AREA VI TORBRAM RD.	AIRPORT RD.
Number of Households*	11	3	8	12	10	13
Number of Households Interviewed	3	1	7	12	7	11
Response Rate	27%	33%	88%	100%	70%	85%

B. SECONDARY IMPACT STUDY AREA

	QUEEN ST.	MISSISSAUGA RD	HIGHWAY 7	2ND LINE W.	BOVAIRD RD.
Number of Surveys Dropped-Off	32	14	20	22	91
Number of Surveys Completed	23	10	11	11	46
Response Rate	72%	71%	55%	50%	51%

Note: * The number of households represent and estimate of households located along access route segments within the primary impact study area. The number of households were estimated using maps compiled by the Region of Peel (Solid Waste Management Study, Landfill Site Selection, Areas I and II (June, 1985) and Area VIA and VIB, (May, 1986)) which identified the location of residential dwellings within the primary impact study areas.

APPENDIX 8

TABLE 11a: ACCESS ROUTE SURVEY: HOUSEHOLD CHARACTERISTICS IN PRIMARY IMPACT STUDY AREA

	AREA I AND II MISSISSISSAUGA RD		HIGHWAY 7		2ND LINE W.		15TH SIDEROAD		AREA VI TORBRAM RD.		AIRPORT RD.	
	#	%	#	%	#	%	#	%	#	%	#	%
Average Household Size	3.0	-	4.0	-	4.1	-	3.1	-	4.4	-	3.8	-
Average No. of Children (less than 18 years) Per Household	2.0	-	2.0	-	2.3	-	2.0	-	2.5	-	1.8	-
Households With Children	1	33	1	100	4	57	6	50	4	57	8	73
Households Without Children	2	67	0	0	3	43	6	50	3	43	3	27
Population 0-14 Years	3	33	1	25	5	17	11	30	6	19	12	29
Population 65 Years and Over	0	0	0	0	1	3	5	14	2	6	2	5
Dwellings Owned	2	67	0	0	5	71	10	83	5	71	7	64
Dwellings Rented	1	33	1	100	2	29	2	17	2	29	4	36

APPENDIX 8

TABLE 11b: ACCESS ROUTE SURVEY: HOUSEHOLD CHARACTERISTICS IN SECONDARY IMPACT STUDY AREA

	AREA I AND II								AREA VI	
	QUEEN STREET		MISSISSAUGA RD.		HIGHWAY 7		2ND LINE WEST		BOVAIRD DR.	
	#	%	#	%	#	%	#	%	#	%
Average Household Size	3.9	-	2.6	-	3.0	-	4.1	-	4.0	-
Average No. of Children (less than 18 years) Per Household	3.0	-	1.3	-	1.8	-	1.9	-	2.0	-
Households With Children	10	43	3	30	6	55	9	82	39	85
Households Without Children	13	57	7	70	5	45	2	18	7	15
Population 0 - 14 years	13	18	4	15	10	30	14	32	74	41
Population 65 Years and Over	11	15	3	12	5	15	3	7	1	1
Dwellings Owned	17	81	8	80	9	82	10	91	43	94
Dwellings Rented	4	19	2	20	2	18	1	9	3	6

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TABLE 12: ACCESS ROUTE SURVEY: LEVEL OF RESIDENT CONCERN REGARDING EXISTING TRAFFIC

AREAS I AND II	QUEEN STREET DROP-OFF		MISSISSAUGA ROAD DROP-OFF		MISSISSAUGA ROAD INTERVIEW		HIGHWAY 7 DROP-OFF		HIGHWAY 7 INTERVIEW	
	#	%	#	%	#	%	#	%	#	%
Do you have any concerns with current traffic that passes your house?										
Yes	17	74	9	90	3	100	9	82	0	0
No	6	26	1	10	0	0	2	18	0	100
Respondents	23		10		3		11		1	
Sample Size	23		10		3		11		1	
No Response	0		0		0		0		0	

	2ND LINE WEST DROP-OFF		2ND LINE WEST INTERVIEW		15TH SIDEROAD INTERVIEW	
	#	%	#	%	#	%
Yes	9	82	1	17	2	18
No	2	18	5	83	9	81
Respondents	11		6		11	
Sample Size	11		7		12	
No Response	0		1		1	

AREA IV	BOVAIRD DRIVE DROP-OFF		TORBRAM ROAD INTERVIEW		AIRPORT ROAD INTERVIEW	
	#	%	#	%	#	%
Yes	37	80	4	57	8	73
No	9	16	3	43	3	27
Respondents	46		7		11	
Sample Size	46		7		11	
No Response	0		0		0	

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TABLE 13: ACCESS ROUTE SURVEY: NATURE OF RESIDENT CONCERNS REGARDING EXISTING TRAFFIC

AREAS I AND II	QUEEN STREET		MISSISSAUGA ROAD				HIGHWAY 7			
	DROP-OFF		DROP-OFF		INTERVIEW		DROP-OFF		INTERVIEW	
	#	%	#	%	#	%	#	%	#	%
If yes, what are your concerns?										
1. Noise from traffic	3	18	4	44	2	67	5	56	0	0
2. Vehicles speeding	10	59	2	22	1	33	2	22	0	0
3. Traffic volume	10	59	3	33	0	0	5	56	0	0
4. Safety of pedestrians	5	29	1	11	0	0	1	11	0	0
5. Difficulty to access driveway	3	18	2	22	3	100	2	22	0	0
6. Dust from traffic	1	6	0	0	0	0	3	33	0	0
7. Structural damage	0	0	1	11	0	0	0	0	0	0
8. Speed limit too high	1	6	1	11	0	0	0	0	0	0
9. Dangerous intersections	1	6	0	0	1	33	0	0	0	0
10. Air pollution	1	6	0	0	0	0	2	22	0	0
11. Safety of cyclists	1	6	0	0	0	0	0	0	0	0
12. Spills due to truck accidents	0	0	0	0	1	33	0	0		
13. Conflict with farm machinery	0	0	2	22	0	0	0	0	0	0
14. Too few cross walks	0	0	0	0	0	0	0	0	0	0
15. Police patrol	1	6	0	0						
16. Increased travel time	1	6	0	0	0	0	0	0	0	0
17. Conflict with school buses	1	6	0	0	0	0	0	0	0	0
18. Inadequate road maintenance	1	6	0	0	0	0	0	0	0	0
19. Other	3	18	0	0	0	0	4	44	0	0
20. Not specific	0	0	1	11	0	0	1	11	0	0
Respondents	17		9		3		9		0	
Sample Size	17		9		3		9		0	
No Responses	0		0		0		0		0	

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TABLE 13 (cont'd)

AREA VI	BOVAIRD DRIVE DROP-OFF		TORBRAM ROAD IINTERIEW		AIRPORT ROAD INTERVIEW	
If yes, what are your concerns?	#	%	#	%	#	%
1. Noise from traffic	23	62	2	50	4	50
2. Vehicles speeding	13	36	2	50	1	13
3. Traffic volume	16	43	0	0	0	0
4. Safety of pedestrians	5	14	0	0	0	0
5. Difficulty to access driveway	0	0	1	25	2	25
6. Dust from traffic	5	14	0	0	1	13
7. Structural damage	2	5	1	25	0	0
8. Speed limit too high	2	5	0	0	0	0
9. Dangerous intersections	2	5	1	25	1	13
10. Air pollution	2	5	0	0	0	0
11. Safety of cyclists	1	3	0	0	0	0
12. Spills due to truck accidents	0	0	0	0	2	25
13. Conflict with farm machinery	0	0	0	0	0	0
14. Too few cross walks	1	3	0	0	1	13
15. Police patrol	0	0	0	0	0	0
16. Increased travel time	0	0	0	0	0	0
17. Conflict with school buses	0	0	0	0	0	0
18. Inadequate road maintenance	0	0	0	0	0	0
19. Other	3	8	1	25	2	25
20. Not specific	3	8	0	0	2	25
Respondents	37		4		8	
Sample Size	37		4		8	
No Response	0		0		0	

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TABLE 13 (cont'd)

	2ND LINE WEST DROP-OFF		2ND LINE WEST INTERVIEW		15 SIDEROAD INTERVIEW	
	#	%	#	%	#	%
If yes, what are your concerns?						
1. Noise form traffic	2	22	0	0	0	0
2. Vehicles speeding	7	78	0	0	0	0
3. Traffic volume	3	33	0	0	0	0
4. Safety of pedestrians	2	22	0	0	0	0
5. Difficulty to access driveway	1	11	0	0	0	0
6. Dust from traffic	0	0	0	0	0	0
7. Structural damage	2	22	0	0	0	0
8. Speed limit too high	1	11	0	0	1	50
9. Dangerous intersections	0	0	0	0	0	0
10. Air pollution	0	0	0	0	0	0
11. Safety of cyclists	1	11	0	0	0	0
12. Spills due to truck accidents	0	0	0	0	0	0
13. Conflict with farm machinery	0	0	0	0	0	0
14. Too few cross walks	0	0	0	0	0	0
15. Police patrol	0	0	0	0	0	0
16. Increased travel time	1	11	0	0	0	0
17. Conflict with school buses	0	0	0	0	0	0
18. Inadequate road maintenance	0	0	0	0	0	0
19. Other	0	0	1	100	1	50
20. Not specific	0	0	0	0	1	50
Respondents	9		1		2	
Sample Size	9		1		2	
No Response	0		0		0	

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TABLE 14: ACCESS ROUTE SURVEY: RESIDENT USE OF ROADWAY

AREAS I AND II	QUEEN STREET		MISSISSAUGA ROAD				HIGHWAY 7			
	DROP-OFF		DROP-OFF		INTERVIEW		DROP-OFF		INTERVIEW	
	#	%	#	%	#	%	#	%	#	%
1. Walking for pleasure	22	100	8	80	1	50	6	60	0	0
2. Bicycle riding	14	64	5	50	1	50	8	80	0	0
3. Walking to a friend's house	13	60	7	70	1	50	7	70	0	0
4. Walking to shopping	12	55	1	10	1	50	4	40	0	0
5. Waiting for school bus	9	41	3	30	1	50	5	50	1	100
6. Jogging	6	27	5	50	0	0	3	30	1	100
7. Other walking	4	18	1	10	0	0	4	40	0	0
8. Snowmobiling	3	14	1	10	1	50	0	0	0	0
9. Walking to school	2	9	0	0	0	0	4	40	0	0
10. Horseback riding	1	5	0	0	0	0	0	0	1	100
11. Other	3	14	2	20	1	50	0	0	0	0
12. Not specific	0	0	0	0	0	0	0	0	0	0
13. Don't use	0	0	1	10	0	0	0	0	0	0
Respondents	22		10		2		10		1	
Sample Size	23		10		3		11		1	
No Response	1		0		1		1		0	

APPENDIX 8

TABLE 14 (cont'd)

	2ND LINE WEST DROP-OFF		INTERVIEW		15TH SIDEROAD DROP-OFF	
	#	%	#	%	#	%
1. Walking for pleasure	8	73	3	50	10	100
2. Bicycle riding	8	73	4	67	6	55
3. Walking to a friend's house	2	18	5	83	8	73
4. Walking to shopping	4	36	0	0	0	0
5. Waiting for school bus	4	36	3	50	6	55
6. Jogging	6	55	1	17	7	64
7. Other walking	2	18	0	0	0	0
8. Snowmobiling	2	18	1	17	1	9
9. Walking to school	4	36	0	0	1	9
10. Horseback riding	1	9	1	17	0	0
11. Other	0	0	1	17	1	9
12. Not specific	0	0	0	0	0	0
13. Don't use	0	0	0	0	1	9
Respondents	11		6		11	
Sample Size	11		7		12	
No Response	0		1		1	

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TABLE 14 (cont'd)

AREA VI	BOVAIRD DRIVE DROP-OFF		TORBRAM RD. DROP-OFF		AIRPORT ROAD INTERVIEW	
	#	%	#	%	#	%
1. Walking for pleasure	36	86	5	71	6	55
2. Bicycle riding	25	60	5	71	6	55
3. Walking to a friend's house	12	28	4	57	6	55
4. Walking to shopping	10	24	1	14	1	9
5. Waiting for school bus	4	10	3	43	6	55
6. Jogging	22	52	4	57	5	46
7. Other walking	7	17	0	0	0	0
8. Snowmobiling	4	10	1	14	2	18
9. Walking to school	5	12	3	43	0	0
10. Horseback riding	0	0	1	14	2	18
11. Other	4	10	0	0	2	18
12. Not specific	2	5	0	0	0	0
13. Don't Use	0	0	1	14	0	0
Respondents	42		7		11	
Sample Size	46		7		11	
No Response	4		0		0	

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TABLE 15: ACCESS ROUTE SURVEY: LEVEL RESIDENT CONCERN REGARDING POTENTIAL LANDFILL-RELATED TRUCK TRAFFIC

AREA I AND II	QUEEN STREET DROP-OFF		MISSISSAUGA RD. DROP-OFF		MISSISSAUGA RD. INTERVIEW		HIGHWAY 7 DROP-OFF		HIGHWAY 7 INTERVIEW	
	#	%	#	%	#	%	#	%	#	%
Do you have any concerns about potential refuse truck traffic on the road on which you reside?										
Yes	17	81	9	90	3	100	9	82	0	0
No	3	14	1	10	0	0	1	9	1	100
Don't Know	1	5	0	0	0	0	1	9	0	0
Respondent	21		10		3		11		1	
Sample Size	23		10		3		11		1	
No Response	2		0		0		0		0	

	2ND LINE WEST DROP-OFF		2ND LINE WEST INTERVIEW		15 SIDEROAD INTERVIEW	
	#	%	#	%	#	%
Yes	11	100	5	88	8	89
No	0	17	1	17	1	11
Don't Know	0	0	0	0	0	0
Respondent	11		6		9	
Sample Size	11		7		12	
No Response	0		1		3	

AREA VI	BOVAIRD DRIVE DROP-OFF		TORBRAM ROAD INTERVIEW		AIRPORT ROAD INTERVIEW	
	#	%	#	%	#	%
Yes	34	77	7	100	10	100
No	3	7	0	0	0	0
Don't	7	16	0	0	0	0
Respondent	44		7		10	
Sample Size	46		7		11	
No Response	2		0		1	

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TABLE 16: ACCESS ROUTE SURVEY: NATURE OF RESIDENT CONCERNS REGARDING POTENTIAL LANDFILL-RELATED TRUCK TRAFFIC

AREA I AND II	QUEEN STREET		MISSISSAUGA ROAD				HIGHWAY 7			
	DROP-OFF		DROP-OFF		INTERVIEW		DROP-OFF		INTERVIEW	
	#	%	#	%	#	%	#	%	#	%
What are your concerns?										
1. Increased volume	9	53	6	75	2	67	5	63	0	0
2. Noise from traffic	6	35	4	50	0	0	5	63	0	0
3. Dust from traffic	1	6	2	25	0	0	0	0	0	0
4. Litter from trucks	6	35	1	13	3	100	2	25	0	0
5. Air pollution	3	18	1	13	1	33	3	38	0	0
6. Children's safety	2	12	2	25	0	0	1	13	0	0
7. Safety of pedestrians	3	18	3	38	0	0	0	0	0	0
8. Difficult to access driveway	2	12	1	13	0	0	0	0	0	0
9. Spills due to truck accidents	2	12	1	13	1	33	0	0	0	0
10. Trucks speeding	3	18	0	0	1	33	0	0	0	0
11. Nuisance, i.e. increased travel time	0	0	0	0	1	33	0	0	0	0
12. Increased road maintenance	2	12	0	0	0	0	0	0	0	0
13. Dangerous intersections	0	0	1	13	0	0	0	0	0	0
14. Structural damage due to truck vibrations	1	6	1	13	0	0	0	0	0	0
15. Conflict with school buses	1	6	0	0	0	0	0	0	0	0
16. Change in rural setting	3	18	0	0	0	0	0	0	0	0
17. Safety of cyclists	1	6	0	0	0	0	0	0	0	0
18. Conflict with farm machinery	0	0	1	13	0	0	0	0	0	0
19. Other	1	6	0	0	0	0	3	38	0	0
20. Not specific	0	0	0	0	0	0	0	0	0	0
Respondents	17		8		3		8		0	
Sample Size	17		9		3		9		0	
No Response	0		1		0		1		0	

APPENDIX 8
TABLE 16 (cont'd)

AREA VI	BOVAIRD DRIVE DROP-OFF		TORBRAM ROAD INTERIEW		AIRPORT ROAD INTERVIEW	
	#	%	#	%	#	%
If yes, what are your concerns?						
1. Increased volume	14	42	3	43	8	80
2. Noise from traffic	22	65	4	57	4	40
3. Dust from traffic	8	24	4	57	4	40
4. Litter from trucks	4	12	0	0	1	10
5. Air pollution	10	30	1	14	0	0
6. Children's safety	6	18	0	0	1	10
7. Safety of pedestrians	2	6	0	0	3	30
8. Difficult to access driveway	0	0	0	0	2	20
9. Spills due to truck accidents	2	6	1	14	1	10
10. Trucks speeding	1	3	1	14	0	0
11. Nuisance, i.e. increased travel time	2	6	0	0	1	10
12. Increased road maintenance	1	3	2	29	0	0
13. Dangerous intersections	0	0	1	14	1	10
14. Structural damage due to truck vibrations	3	9	0	0	0	0
15. Conflict with school buses	0	0	0	0	0	0
16. Change in rural setting	0	0	1	14	0	0
17. Safety of cyclists	0	0	0	0	0	0
18. Conflict with farm machinery	0	0	0	0	0	0
19. Other	5	15	1	14	0	0
20. Not specific	1	3	0	0	0	0
Respondents	34		7		10	
Sample Size	34		7		10	
No Response	0		0		0	

APPENDIX 8
TABLE 16 (cont'd)

	2ND LINE WEST DROP-OFF		INTERVIEW		15 SIDEROAD INTERVIEW	
	#	%	#	%	#	%
If yes, what are your concerns?						
1. Increased volume	5	56	0	0	5	63
2. Noise from traffic	5	56	3	60	2	25
3. Dust from traffic	3	33	3	60	1	13
4. Litter from trucks	4	44	2	40	1	13
5. Air pollution	2	22	1	20	0	0
6. Children's safety	3	33	1	20	3	38
7. Safety of pedestrians	2	22	1	20	1	13
8. Difficult to access driveway	1	11	2	40	6	75
9. Spills due to truck accidents	0	0	1	20	2	25
10. Trucks speeding	1	11	1	20	0	0
11. Nuisance, i.e. increased travel time	1	11	1	20	1	13
12. Increased road maintenance	1	11	0	0	0	0
13. Dangerous intersections	1	11	1	20	0	0
14. Structural damage due to truck vibrations	0	0	0	0	0	0
15. Conflict with school buses	0	0	1	20	3	38
16. Change in rural setting	0	0	0	0	0	0
17. Safety of cyclists	1	11	0	0	0	0
18. Conflict with farm machinery	0	0	0	0	1	13
19. Other	0	0	1	20	1	13
20. Not specific	0	0	0	0	0	0
Respondents	9		5		8	
Sample Size	11		5		12	
No Response	2		0		4	

APPENDIX 8
TABLE 17: ACCESS ROUTE SURVEY: RESIDENT CONCERNS REGARDING POTENTIAL IMPACT OF LANDFILL-RELATED TRUCK TRAFFIC ON THEIR USE OF THE ROADWAY

AREAS I AND II	QUEEN STREET DROP-OFF		MISSISSAUGA ROAD DROP-OFF		INTERVIEW		HIGHWAY 7 DROP-OFF		INTERVIEW	
	#	%	#	%	#	%	#	%	#	%
Would landfill truck traffic affect your use of the roadway area?										
Yes	15	83	8	80	2	100	8	80	1	100
No	3	17	2	20	0	0	2	20	0	0
Respondents	18		10		2		10		1	
Sample Size	23		10		3		11		1	
No Response	5		0		1		1		0	
If yes, which activities would be affected?										
1. Bicycle riding	9	60	3	43	1	0	5	71	0	0
2 Walking for pleasure	13	87	6	86	1	50	2	29	0	0
3. Walking to a friend's house	6	40	6	86	1	50	5	71	0	0
4. Walking to shopping	7	47	1	14	1	50	3	43	0	0
5. Jogging	4	27	4	57	0	0	2	29	1	100
6 Walking to school	2	13	0	0	0	0	1	14	0	0
7. Waiting for school bus	1	7	2	29	1	50	2	29	1	100
8. Other walking	2	13	1	14	0	0	4	57	0	0
9. Horseback riding	1	7	0	0	0	0	0	0	1	100
10. Snowmobiling	0	0	1	14	1	50	0	0	0	
11. Other	1	7	2	29	1	50	0	0	0	0
Respondents	15		7		2		7		1	
Sample Size	15		8		2		8		1	
No Response	0		1		0		1		0	

APPENDIX 8
TABLE 17 (cont'd)

AREA I AND II

	2ND LINE W. DROP-OFF #	%	INTERVIEW #	%	15TH SIDEROAD INTERVIEW #	%
Would landfill truck traffic affect your use of the roadway area?						
Yes	8	80	5	83	10	91
No	2	20	1	17	1	9
Respondents	10		6		11	
Sample Size	11		7		12	
No Response	1		1		1	
If yes, which activities would be affected?						
1. Bicycle riding	4	50	3	60	6	60
2. Walking for pleasure	6	75	2	40	10	100
3. Walking to a friend's house	0	0	4	80	8	80
4. Walking to shopping	2	25	0	0	1	10
5. Jogging	1	13	1	10	7	70
6. Walking to school	3	38	0	0	1	10
7. Waiting for school bus	1	13	2	40	5	50
8. Other walking	2	25	0	0	0	0
9. Horseback riding	0	0	1	20	1	10
10. Snowmobiling	1	13	1	20	2	20
11. Other	0	0	1	20	1	10
Respondents	8		5		10	
Sample Size	8		5		11	
No Response	0		0		1	

APPENDIX 8
TABLE 17 (cont'd)

AREA VI	BOVAIRD DRIVE DROP-OFF		TORBRAM RD. DROP-OFF		AIRPORT ROAD INTERVIEW	
	#	%	#	%	#	%
Yes	29	67	6	100	10	91
No	14	33	0	0	1	9
Respondents	43		6		11	
Sample Size	46		7		11	
No Response	3		1		0	
If yes, which activites would be affected?						
1. Bicycle riding	13	48	5	83	5	50
2. Walking for pleasure	20	74	4	67	6	60
3. Walking to a friend's house	7	26	3	50	6	60
4. Walking to shopping	5	19	1	17	1	10
5. Jogging	10	37	3	50	3	30
6. Walking to school	1	4	3	50	0	0
7. Waiting for school bus	2	7	1	17	5	50
8. Other walking	5	19	0	0	0	0
9. Horseback riding	10	10	1	17	2	20
10. Snowmobiling	1	4	1	17	1	10
11. Other	3	11	0	0	1	10
12. Not specific	3	11	0	0	0	0
Respondents	27		6		10	
Sample Size	29		6		10	
No Response	2		0		0	

APPENDIX 8

TABLE 18: ACCESS ROUTE SURVEY: FARM USE OF ROADWAY

Along which road segments do you move farm equipment?

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Areas I and II						
a) Queen Street, between Mississauga Road and Highway 10	2	33	3	25	0	0
b) Mississauga Road, between Queen Street and 15th Sideroad (Wanless Drive)	4	67	7	58	0	0
c) Second Line West, between Queen Street and 15th Sideroad (Wanless Drive)	1	17	10	83	0	0
d) 15th Sideroad (Wanless Drive), between Mississauga Road and Second Line West (Chinguacousy Road)	1	17	7	58	0	0
e) Highway 7, between Second Line West (Chinguacousy Road) and Kennedy Road	1	17	3	25	0	0
Area VI						
g) Bovaird Drive, between Heart Lake Road and Airport Road	0	0	0	0	1	20
h) Torbram Road, between Bovaird Drive and 15th Sideroad (Wanless Drive)	0	0	0	0	2	40
i) Airport Road, between Bovaird Drive and 15th Sideroad (Wanless Drive)	0	0	0	0	4	80
Respondents	6		12		5	
Sample Size	6		12		5	
No Response	0		0		0	

Note: Sample size includes only respondents who move farm equipment along at least one of the road segments.

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TABLE 19: ACCESS ROUTE SURVEY: FARM CONCERNS REGARDING POTENTIAL IMPACT OF LANDFILL RELATED TRUCK TRAFFIC

Would the landfill traffic affect movement of your farm equipment along these road segments?

	AREA I		AREA II		AREA VI	
	#	%	#	%	#	%
Yes	6	100	11	92	5	100
No	0	0	0	0	0	0
Don't Know	0	0	1	8	0	0
Respondents	6		12		5	
Sample Size	6		12		5	
No Response	0		0		0	
If yes, how will it be affected?						
1. Safety Regarding Traffic Increase	5	83	10	91	3	60
2. Difficult to Manoeuver	2	33	7	64	3	60
3. Use Alternate Route If Possible	1	17	0	0	0	0
4. Not Specific	2	33	2	18	0	0
Respondents	6		11		5	
Sample Size	6		11		5	
No Response	0		0		0	

APPENDIX 8

TABLE 20: ACCESS ROUTE SURVEY: POSSIBLE IMPACT MITIGATION MEASURES

AREAS I AND II	QUEEN STREET DROP-OFF		MISSISSAUGA RD. DROP-OFF		INTERVIEW		HIGHWAY 7 DROP-OFF		INTERVIEW	
	#	%	#	%	#	%	#	%	#	%
If the landfill is located here, what could the Region do to help deal with your concerns about traffic?										
1. Reduce speed limit	2	13	1	17	1	50	1	10	0	0
2. Improve police patrol	5	31	0	0	0	0	0	0	0	0
3. Improve road safety	4	25	1	17	1	50	2	20	1	100
4. Select a different route	2	13	3	50	1	50	3	30	0	0
5. Improve road maintenance	0	0	2	33	0	0	1	10	0	0
6. General Safety	0	0	0	0	0	0	0	0	0	0
7. Regular safety checks for trucks	0	0	0	0	0	0	0	0	0	0
8. Control when trucks use routes	0	0	0	0	0	0	1	10	0	0
9. Put up barrier	0	0	0	0	0	0	4	40	0	0
10. Nothing they can do	3	19	0	0	0	0	1	10	0	0
11. Other	3	19	0	0	0	100	0	0	0	0
12. Not specific	0	0	0	0	0	0	1	10	0	0
Respondents	16		6		2		10		1	
Sample Size	23		10		3		11		1	
No Response	7		4		1		1		0	

APPENDIX 8

TABLE 20 (cont'd)

AREAS I AND II	2ND LINE W. DROP-OFF		INTERVIEW		15TH SIDEROAD DROP-OFF	
	#	%	#	%	#	%
If the landfill is located here, what could the Region do to help deal with your concerns about traffic?						
1. Reduce speed limit	1	10	0	0	3	33
2. Improve police patrol	3	30	0	0	1	11
3. Improve road safety	1	10	0	0	2	22
4. Select a different route	4	40	0	0	1	11
5. Improve road maintenance	1	10	0	0	1	11
6. General safety	1	10	0	0	0	0
7. Regular safety checks for trucks	0	0	0	0	0	0
8. Control when trucks use routes	1	10	0	0	0	0
9. Put up barrier	0	0	0	0	0	0
10. Nothing they can do	1	10	3	100	1	11
11. Other	3	30	0	0	4	44
12. Not specific	1	10	0	0	0	0
Respondents	10		3		9	
Sample Size	11		7		12	
No Response	1		4		3	

APPENDIX 8

TABLE 20 (cont'd)

AREA VI	BOVAIRD DRIVE DROP-OFF		TORBRAM ROAD DROP-OFF		AIRPORT ROAD INTERVIEW	
	#	%	#	%	#	%
1. Reduce speed limit	1	3	1	17	3	33
2. Improve police patrol	2	6	3	50	2	22
3. Improve road safety	5	14	3	50	4	44
4. Select a different route	13	37	3	50	3	33
5. Improve road maintenance	1	3	0	0	0	0
6. General Safety	0	0	0	0	0	0
7. Regular safety checks for trucks	0	0	1	17	0	0
8. Control when trucks use routes	6	17	3	50	1	11
9. Put up barrier	8	23	0	0	0	0
10. Nothing they can do	3	9	0	0	0	0
11. Other	3	9	0	0	0	0
12. Not specific	1	3	0	0	1	11
Respondents	35		6		9	
Sample Size	46		7		11	
No Response	11		1		2	

Appendix 9

Ranking of Factors and Indicators: Meetings With Community Liaison Groups

Before potential impacts can be evaluated, it is necessary to rank factors and indicators in terms of their relative importance. To do this the study team relied on Social Science Research findings, professional judgement, and input form the Community Liaison Groups.

Early in December, meetings were held with each of the Community Liaison Groups to obtain their input to the ranking of factors and indicators. The Groups were each given a package of material which (a) set out the rationales for the screening of factors, indicators and sub-indicators, (b) provided survey results for factors and indicators used as evaluation criteria, (c) asked a sequence of questions to guide the residents in their assessment of relative importance, and (d) indicated the preferred ranking of factors and indicators based on research findings and professional judgement.

It should be noted that the survey results provided to the residents as input to their ranking of factors and indicators were presented "blind", that is, the residents did not know which Area or Siting Options were under discussion. This was done to remove, to the fullest extent possible, the potential for subjective bias on the part of the residents towards their own Area to enter into their judgments regarding the relative importance of factors and indicators. If residents in one Area knew that they were more likely to be affected than those in another for a given factor, they might be motivated to give the factor more weight than they otherwise would assign to it.

This Appendix contains the package of material provided to the residents.

The resultant consensus in the relative importance of Factors is shown on Table 18; and the relative importance of Indicators for each Factor is discussed in the main report in Part Two, Section Three under the heading, "Impact Rating and Site Ranking".

REGION OF PEEL SIA OF LANDFILL SITING OPTIONS
RANKING OF FACTORS AND INDICATORS

MEETINGS WITH COMMUNITY LIAISON GROUPS
December 1986

SCREENING OF FACTORS AND INDICATORS

Eight factors, 35 indicators and numerous sub-indicators were identified at the outset of this study as relevant to the assessment of the potential social impacts of the proposed landfill facility (see Table 1).

Data has been collected for each factor, indicator and sub-indicator. Some of this data will be used to profile each of the areas and sub-areas; some will be used in the evaluation of potential impacts. To determine which factors, indicators and sub-indicators should be used as evaluation criteria, it was necessary to "screen" them. Factors, indicators and sub-indicators were "screened out" for use as evaluation criteria if:

it was clear that the factor, indicator or sub-indicator could only be used for profiling purposes

the data showed no significant differences among the areas or sub-areas (in other words, comparative evaluation was not necessary)

the factor, indicator or sub-indicator was more relevant as input to another study being undertaken by the Region and inclusion in the SIA would have resulted in double-counting.

Listed below are the factors, indicators and sub-indicators which have been screened out in the evaluation stage of the SIA and for each the rationale for screening is given.

1. Factors Screened Out

Loss of Satisfaction with Place -- no significant difference among sites

Public Health and Safety -- SIA data to be used as input to a Public Health and Safety report being prepared by MacLaren Plansearch.

2. Indicators Screened Out

Number and kinds of property uses -- no significant difference among sites

Resident perception of the compatibility of the proposed facility with daily activities -- no significant difference among sites

Homogeneous lifestyle -- used for profiling

Extent of use of local services and facilities -- no significant differences among sites

3. Sub-Indicators Screened Out

Friendship ties -- no significant difference among sites

Cultural features -- not relevant to the assessment of community character

The resultant six factors, 31 indicators and various sub-indicators that were identified as appropriate evaluation criteria are shown on Table 2.

TABLE 1: FACTORS, INDICATORS AND SUB-INDICATORS IDENTIFIED AS RELEVANT TO THE SOCIAL IMPACT ASSESSMENT OF LANDFILL SITING OPTIONS

FACTOR	INDICATORS
Displacement of Residents	Total Number of Residents on-Site
	Key Characteristics - age - tenure
	Attachment to Place - length of residence - ancestral ties - family ties - friendship ties - life plans
	Hardship
Disruption of Day-to-Day Activities and Use/Enjoyment of Property	Total Number of Residents in Primary Impact Zone
	Key Characteristics - age - length of time on property during operation hours
	Number and kinds of Uses of Property; Water Use
	Potential Interference - noise - environmental impacts - visual intrusion
	Resident Perception of Compatibility of Landfill with Daily Activities
	Effect on Sub-Communities
Resident Loss of Satisfaction with Place	Perceived Quality of Community
	Perceived Quality of Services/Facilities
	Perceptions of Potential Impacts of Landfill
	Potential Disruption of Day-to-Day Activities
	Extent of Neighbouring
	Community Involvement
	Mitigation/Compensation Measures
Public Health and Safety	Reliance on Well Water and Surface Water
	Number and Proximity of Potentially Vulnerable Residents - health problems - < 5 years - school age children - > 65 years
	Potential Interference with School Bus Routes
	Resident Use of Road and Shoulders

FACTOR	INDICATORS
Displacement of Local Services and Facilities	Number on-Site
	Key Characteristics - clients - service area - role in community
	Availability of Alternates
Disruption of Local Services	Number in Primary Impact Study Zone
	Key Characteristics - clients - service area - role in community - operating hours - proximity to landfill site or access routes - owners'/operators' concerns
Loss of Community Character	Unique/Distinctive Characterstics - environmental - cultural - heritage/historic features
	Compatibility with Land Uses
Loss of Community Cohesion	Involvement of Residents in Community
	Homogeneous Lifestyle
	Number of Friends and Relatives in Area
	Length of Residence
	Extent of Use of Local Services/ Facilities
	Number Displaced and Implications
	Loss of Satisfaction with Place and Implications
	Displacement of Local Services/ Facilities

TABLE 2: FACTORS: INDICATORS AND SUB-INDICATORS USED AS EVALUATION CRITERIA IN THE SOCIAL IMPACT ASSESSMENT OF LANDFILL SITING OPTIONS

INCREASING IMPORTANCE ↓

Factors	Indicators	Sub-Indicators
Displacement of Services/Facilites	• Number Displaced	
	• Key Characteristics	• Clients • Service Area • Role in Community
	• Availability of Alternatives	
Disruption of Services/Facilities	• Number Beyond 1,000m	• Number of Recreational Facilities • Number of Schools, Churches, Cemeteries
	• Number 500 - 1,000m	
	• Number 0 - 500m	
	• Key Characteristics	• Clients • Service Area • Role in Community
Displacement of Residents	• Number Displaced	• Number of Residents • Number of Households - Non-Farm; Farm
	• Key Characteristics	• Age - 0 - 14 Years; 65 Years or older • Tenure - tenants; owners • Number of Full-Time Farm Operations
	• Attachment to Place	• Length of Residents - More Than 20 Years at Address; More Than 20 Years in Community • Ancestral Ties - Property Owned by Ancestors in Family More Than 100 Years • Other Considerations - Difficulties in Moving

INCREASING IMPORTANCE

Factors	Indicators	Sub-Indicators
Disruption of Use and/or Enjoyment of Property	• Number 500 - 1,000m	• Number of Residents • Number of Households - Non-Farm; Farm
	• Key Characteristics 500 - 1,000m	• Tenure - Tenant; Owner • Time on Property - 0-4 Years; 65 Years or More; Farm Households
	• Number 0 - 500m	• Number of Residents • Number of Households - Non-Farm; Farm
	• Key Characteristics 0 - 500m	• Tenure - Tenant; Owner • Time on Property - 0 - 4 Years; 65 Years or More; Farm Households
Loss of Community Character	• Potential Impact on Unique/ Distinctive Characteristics	• Environmental • Heritage/Historical
	• Compatibility With Character	• Visual Intrusion • Nuisances - Short-term • Nuisances - Long-term

INCREASING IMPORTANCE

Factors	Indicators	Sub-Indicators
Loss of Cohesion	• Disruption of Significant Services/Facilities 0 - 1,000m	• Number of Recreational Facilities Potentially Affected • Number of Churches Potentially Affected
	• Displacement of Significant Services/Facilities	• Number of Recreational Facilities
	• Loss of Satisfaction With Place	• Percent Who Say They Would Move
	• Displacement of Residents	• Number Potentially Displaced
	• Residents Involvement in Community Groups and Associations	• Percent Involved in Community Groups
	• Kinship Ties	• Percent with Relatives in Community

TABLE 1: SURVEY RESPONSE RATE BY AREA
PRIMARY IMPACT STUDY AREA

	Area	Area	Area
Number of Households[1]	125	126	73
Number Interviewed	69	72	40
Response Rate	55%	57%	55%
Number of Non-Farm Households[1]	84	98	47
Number Interviewed	54	57	29
Response Rate	64%	58%	62%
Number of Farm Households[1]	41	28	26
Number Interviewed	15	16	11
Response Rate	37%	57%	42%
Number of Interviews Refused	18	11	14
Refusal Rate	14%	9%	19%

1. Regional Municipality of Peel, Land Use Data, 1981.

TABLE 2: SURVEY RESPONSE RATE BY SUB-AREA ON-SITE HOUSEHOLDS
PRIMARY IMPACT STUDY AREA

Number of Households[1]	12	3	4	7	13	4	3	14
Number Interviewed	11	2	0	6	8	1	1	12
Response Rate	92%	67%	0%	86%	62%	25%	33%	86%
Number of Non-Farm Households[1]	9	3	2	6	9	3	1	11
Number Interviewed	8	2	0	5	6	1	1	9
Response Rate	89%	67%	0%	83%	67%	33%	100%	82%
Number of Farm Households[1]	3	0	2	1	4	1	2	3
Number Interviewed	3	0	0	1	2	0	0	3
Response Rate	100%	0%	0%	100%	50%	0%	0%	100%
Number of Interviews Refused	0	1	3	0	1	1	1	0
Refusal Rate	0%	33%	75%	0%	8%	25%	33%	0%

1. Regional Municipality of Peel, Land Use Data, 1986.

TABLE 3: SURVEY RESPONSE RATE BY SUB-AREA 0 - 1,000 METRES
PRIMARY IMPACT STUDY AREA

Number of Households[1]	57	60	78	63	72	56	84	78
Number Interviewed	36	29	44	38	38	42	46	48
Response Rate	63%	48%	56%	60%	53%	75%	55%	62%
Number of Non-Farm Households[1]	36	42	54	41	46	43	64	66
Number Interviewed	26	23	38	30	30	33	36	40
Response Rate	72%	55%	70%	73%	65%	77%	56%	61%
Number of Farm Households[1]	21	18	24	22	26	23	20	12
Number Interviewed	10	6	6	8	8	9	10	8
Response Rate	48%	33%	25%	36%	31%	39%	50%	67%
Number of Interviews Refused	11	9	11	10	10	8	9	5
Refusal Rate	19%	15%	14%	16%	14%	14%	11%	6%

1. Regional Municipality of Peel, Land Use Data, 1986.

DISPLACEMENT OF SERVICES/FACILITIES

In assessing the potential implications of possible displacement of community services/facilities, the following indicators have been selected for use in the social impact study:

- number displaced
- key characteristics of the service/facility (# of clients, area served, role in the community)

DATA:		
	SCHOOLS	none displaced
	CHURCHES	none displaced
	CEMETERIES	1 historic potentially displaced
		1 in-use potentially displaced
	RECREATIONAL FACILITIES	1 regional potentially displaced

Please note that displaced services/facilities will not be "lost" to the community as they will be relocated.

QUESTIONS:

1. Which should receive more weight

___ the potential displacement of an historic cemetery? or
___ the potential displacement of a cemetery that is still in-use? or
___ should both receive equal weight?

2. Which should receive more weight

___ the potential displacement of cemeteries? or
___ the potential displacement of a recreation facility? or
___ should both receive equal weight?

DISRUPTION OF SERVICES/FACILITIES

In assessing the potential implications of the possible disruptive effects of the proposed landfill facility, the following indicators were selected for use in the social impact study:

- number of services/facilities potentially disrupted
  (# 0 - 500 m, # 500 - 1000 m, # beyond 1000 m)
- key characteristics
  (# of clients, area served, role in the community)

DATA:		
	SCHOOLS	2 potentially disrupted, 1 primary and 1 secondary
	CHURCHES	6 potentially disrupted
	RECREATIONAL	4 potentially disrupted

QUESTIONS

1. What order of importance should be assigned to the potential disruption of

___ schools vs
___ churches vs
___ recreational facilities?

Note: put 1 beside the most important, 2 beside the next important, and 3 beside the least important.

2. Do you agree with the following weighting?

   Services/facilities within 0 - 500 m of a proposed site should be given more weight than services/facilities within 500 - 1000 m which, in turn, should be given more weight than services beyond 1000 m of a proposed site. ___Yes. ___No.

   If no, what order of importance would you prefer?

   ____ services/facilities within 0 - 500 m
   ____ services/facilities 500 - 1000 m
   ____ services/facilities beyond 1000 m
   ____ equal weight for all

3. In assessing the implications of potential disruptive effects of the landfill on community services/facilities, the following characteristics of services/facilities are usually taken into account:

number of people/clients using the facility

the area served by the facility (i.e., whether it is a regional versus a local facility)

the role of the facility in the community (i.e., the relative importance of the facility from the perspective of local residents).

What order of importance would you assign to these characteristics?

____ number of people/clients
____ area served
____ role in the community

OVERALL RANKING FOR IMPACT ON SERVICES/FACILITIES

Taking into consideration the number of services/facilities potentially displaced and the number of services and facilities potentially disrupted, which should receive more weight -- displacement or disruption?

____ displacement
____ disruption

DISPLACEMENT OF RESIDENTS

In assessing the potential implications of possible displacement of residents, the following indicators were selected for use in the social impact study:

- number potentially displaced
  (# of residents, # of households)
- key characteristics
  (age, tenure, # of full-time farm operations)
- attachment to place
  (length of residence, ancestral ties, difficulties in moving)

DATA: NUMBER DISPLACED

Indicators[1]

Number of Residents	41	10	14	26	46	14	10	47
Number of Households	12	3	4	7	13	4	3	14
Number of Non-Farm Households	9	3	2	6	9	3	1	11
Number of Farm Households	3	0	2	1	4	1	2	3

1. Regional Municipality of Peel, Land Use Data, 1986.

QUESTIONS

1. What order of importance would you assign to the number of residents versus the number of households?

____ number of residents
____ number of households
____ equal weight to both

2. Of the households, should more weight be given to the displacement of farm households than to non-farm households, or should they receive equal weight?

____ farm households
____ non-farm households
____ equal weight to both

DISPLACEMENT OF RESIDENTS

DATA: KEY CHARACTERISTICS

Average Household Size	3.5	2.5	0.0	4.0	4.2	2.0	2.0	3.6
Households With Children	6	0	0	2	3	0	0	7
Average Number of Children/ Household	2.0	0.0	0.0	3.0	3.3	0.0	0.0	2.3
Households Without Children	5	2	0	4	5	1	1	5
Persons 0 - 4 Years	2	0	0	1	3	0	0	2
Persons 5 - 14 Years	7	0	0	5	5	0	0	8
Persons 65 Years +	4	3	0	1	3	0	0	4
Property Owned	8	2	0	3	7	1	0	9
Property Rented	3	0	0	3	1	0	1	3
Type of FARMING OPERATION								
% of Farm Households in Area	33%	35%	36%	23%	18%	36%	32%	29%
Farm								
Full-Time Operation	90%	71%	75%	20%	63%	78%	67%	91%
Part-Time Operation	9%	14%	13%	40%	38%	11%	17%	0%
Hobby Farm	10%	14%	13%	40%	0%	11%	17%	9%

QUESTIONS

1. Do you think tenure, that is whether property is owned or rented, ought to be taken into account in assessing the impact of displacement of residents?

___ Yes ____ No

2. If yes, should more weight be put on residents who own the property from which they may be required to move than on residents who are renting?

___ Yes ___ No ____ equal weight to both

3. Should "full-time farm operations" be used as an evaluation criterion when taking into account the characteristics of those potentially displaced?

___ Yes ____ No

4. What order of importance would you assign to the following characteristics?

____ age (0 - 14 years, 65+ years)
____ tenure (owners, renters)
____ full-time farm operations
____ equal weight to all

DISPLACEMENT OF RESIDENTS

DATA: ATTACHMENT TO PLACE

LENGTH OF RESIDENCE

At Current Address

Less Than 3 Years	1	0	0	1	1	0	0	1
3 - 5 Years	0	0	0	2	3	0	1	1
6 - 10 Years	3	1	0	0	0	0	0	3
11 - 15 Years	4	0	0	0	3	1	0	3
16 - 20 Years	0	0	0	1	0	0	0	0
More Than 20 Years	3	1	0	2	1	0	0	4

In the Community

Less Than 3 Years	1	0	0	1	1	0	0	0
3 - 5 Years	0	0	0	2	2	0	0	1
6 - 10 Years	2	1	0	0	0	0	0	3
11 - 15 Years	3	0	0	0	0	0	0	2
16 - 20 Years	1	0	0	1	1	0	0	1
More Than 20 Years	4	1	0	2	1	1	0	5

ANCESTRAL TIES

Property Previously Owned by Family Member								
Yes	3	1	0	1	2	0	1	4
No	8	1	0	5	6	1	0	8
Number of Years Property in Family								
11 - 20 Years	0	0	0	0	2	0	0	0
21 - 30 Years	1	0	0	0	0	0	0	1
31 - 40 Years	1	0	0	1	0	0	0	0
91 - 100 Years	0	0	0	0	0	0	0	1
Over 100 Years	1	1	0	0	0	0	1	1

QUESTIONS

1. In using length of residence as an indicator of attachment to place, should more weight be given to length of time in the community than to length of time at current address, or should both be weighted equally?

___ Yes ___ No ____ equal weight to both

2. In using length of residence as an indicator of attachment to place, would you be in strong disagreement if only "more than 20 years" was used as an evaluation factor?

___ Yes ____ No

If yes, what other time frames do you think should be taken into account?

3. Similarly, for ancestral ties, would you be in strong disagreement if only the category "property in family for over 100 years" was used as an evaluation factor?

___ Yes ____No

If yes, what other categories should be taken into account?

4. For the three indicators discussed above -- number displaced, key characteristics, attachment to place -- what order of importance would you assign to them?

____ number displaced
____ key characteristics
____ attachment to place

DISRUPTION OF RESIDENTS

In assessing the potential implications of possible disruptive effects of the proposed landfill facility on residents, the following indicators were selected for use in the social impact study:

number disrupted 0 - 500 m and 0 - 1000 m
(number of residents, # of households)

key characteristics
(tenure, time at home)

DATA: NUMBER DISRUPTED

NUMBER DISRUPTED BY SITING OPTION 0 - 500m

Number of Residents	58	78	68	101	101	65	61	58
Number of Households	17	23	20	28	28	19	18	17
Number of Non-Farm Households	10	13	13	18	22	9	11	10
Number of Farm Households	7	10	7	10	6	10	7	7

NUMBER DISRUPTED BY SITING OPTION 500 - 1,000m

Number of Residents	129	142	208	156	166	156	202	180
Number of Households	38	42	61	46	49	36	56	50
Number of Non-Farm Households	27	31	44	31	33	30	46	44
Number of Farm Households	11	11	17	15	16	16	10	6

NUMBER DISRUPTED BY SITING OPTION 0 - 1,000m

Number of Residents	193	204	266	214	245	224	302	282
Number of Households	57	60	78	63	72	66	84	78
Number of Non-Farm Households	36	42	54	41	46	43	64	66
Number of Farm Households	21	18	24	22	26	23	20	12

DISRUPTION OF RESIDENTS

DATA: KEY CHARACTERISTICS

KEY CHARACTERISTICS BY SITING OPTIONS 0-500 M

Average Household Size	3.9	3.3	3.5	3.8	3.4	3.3	3.8	3.9
Households with Children	6	4	6	7	9	8	8	7
Average Number of Children/ Household	2.0	2.5	1.8	2.3	1.9	2.0	1.5	2.0
Households Without Chidren	2	4	6	5	8	10	4	8
Persons 0 - 4 Years	6	3	1	2	4	4	1	2
Persons 5 - 14 Years	4	5	6	11	10	10	5	5
Persons 65 Years +	3	2	4	4	6	8	4	5
Property Owned	7	7	9	7	15	13	10	13
Property Rented	3	2	3	5	3	5	3	3
Number of Households 0 - 500m	19	18	17	17	23	20	28	28

KEY CHARACTERISTICS BY SITING OPTION 500M - 1,000M

Average Household Size	3.7	4.1	4.0	3.7	3.6	3.5	4.3	4.1
Households with Children	15	15	23	16	13	13	14	18
Average Number of Children/ Household	2.1	2.1	2.0	1.8	2.1	2.1	2.4	1.8
Households Without Children	11	3	8	7	7	9	19	13
Persons 0 - 4 Years	9	12	10	7	6	6	9	9
Persons 5 - 14	18	15	28	13	18	16	12	17
Person 65 Years +	3	5	4	6	2	5	9	6
Property Owned	22	17	24	21	14	21	29	28
Property Rented	4	3	8	5	6	3	4	4
Number of Households 500m - 1000m	38	42	61	46	49	36	56	50

KEY CHARACTERISTICS BY SITING OPTION 0 - 1,000M

Average Household Size	3.8	4.0	3.8	3.8	3.5	3.4	4.2	4.0
Households With Children	21	19	29	23	22	21	22	25
Average Number of Children/ Households	2.0	2.2	1.9	1.9	2.0	2.0	2.1	1.9
Households Without Children	13	7	14	12	15	19	23	21
Person 0 - 4 Years	15	15	11	9	10	10	10	11
Persons 5 - 14 Years	22	20	34	24	28	26	17	22
Persons 65 Years +	6	7	8	10	8	13	13	11
Property Owned	29	24	33	28	29	34	39	41
Property Rented	7	5	11	10	9	8	7	7
Number of Households 0 - 1,000m	57	60	78	63	72	66	84	78

DISRUPTION OF RESIDENTS

QUESTIONS

1. What order of importance would you assign to "number of residents" versus the "number of households"?

____ number of residents
____ number of households

2. Of the households, should more weight be given to the potential disruption of farm households than to the potential disruption of non-farm households, or should they receive equal weight?

___ Yes ___ No ____ equal weight to both

3. Do you think tenure, that is whether property is owned or rented, ought to be taken into account in assessing the impact of potential disruptive effects of the landfill?

___ Yes ____ No

If yes, should more weight be put on residents who own their property than on those who rent, or should they be given equal weight?

___ Yes ___ No ____ equal weight to both

4. The impact of the potential disruptive effects of the proposed landfill will vary by household depending on such factors as length of time that residents are at home during the hours when landfilling operations are in progress. The following indicators of length of time at home have been selected for use in the social impact study:

of residents 0-4 years
of residents 65+ years
of farm households

Do you consider these indicators to be sufficient?

___ Yes ____ No

If no, what other indicators should be taken into account?

OVERALL RATING OF IMPACT ON RESIDENTS

Taking into consideration the number and characteristics of residents potentially displaced and disrupted by the proposed landfill facility, which should receive more weight -- displacement or disruption?

____ displacement of residents
____ disruption of residents
____ equal weight to both

LOSS OF COMMUNITY COHESION

In assessing the potential implications of the proposed landfill facility for community cohesion, the following six indicators have been selected for use in the social impact study:

displacement of significant services and facilities
(# of recreational facilities potentially displaced)

disruption of significant services and facilities 0 - 1000 m
(# of recreational facilities and churches potentially disrupted)

displacement of residents
(# potentially displaced)

loss of resident satisfaction with place
(% who say they would move if the facility were located in their area)

resident involvement in community groups or associations
(# involved in community groups/associations)

kinship ties
(% with relatives in the community)

DATA: LOSS OF SATISFACTION WITH PLACE

Concerned?			
Yes	98% (39)	94% (65)	94% (68)
No	0%	4% (3)	4% (3)
Don't Know	3% (1)	1% (1)	1% (1)
Considered moving?			
Yes	40% (19)	51% (35)	60% (43)
No	18% (18)	41% (28)	39% (28)
No Response	8% (3)	9% (6)	1% (1)
If yes, taken steps towards moving?			
Yes	51% (10)	40% (14)	35% (15)
No	49% (9)	60% (21)	65% (28)
If landfill site here, would move?			
Yes	40% (16)	49% (34)	54% (39)
No	18% (7)	17% (12)	17% (12)
Don't Know	25% (10)	25% (17)	28% (20)
No Response	18% (7)	9% (6)	1% (1)

DATA: RESIDENT INVOLVEMENT IN COMMUNITY GROUPS

Member of Community Group/ Association			
Yes	61%	38%	65%
No	39%	61%	35%
If yes, Type of Group/ Association			
Agriculture Group	62%	15%	50%
Church Group	62%	67%	42%
Service Club	38%	22%	31%
Sports/Recreation Club	52%	44%	58%
Social Club	24%	22%	15%
Political Organization	7%	0%	15%
Ratepayer/Community Group	14%	11%	27%
Naturalist/Environmental Group	0%	4%	4%
Group Opposed to Landfill	17%	4%	19%
Professional Group/Board	10%	4%	12%
School Group	5%	4%	8%
Volunteer/Charitable Organization	5%	4%	8%
Cultural Group	2%	4%	0%

DATA: KINSHIP TIES

Relatives in the Community			
Yes	25%	45%	46%
No	75%	55%	54%

LOSS OF COMMUNITY COHESION

Taking into account the data provided above, what order of importance would you assign to the six indicators?

____ displacement of significant services/facilities
____ disruption of significant services/facilities
____ displacement of residents
____ loss of satisfaction with place
____ resident involvement in community groups
____ kinship ties

Appendix 10

Sensitivity Analysis: Commercial Services

To determine whether displacement to key commercial services (i.e., agricultural services relied upon by farming community or convenience store relied on by residents in Area VI would make a difference in the ranking of sub-areas, the assessment of potential social impact on services and facilities was re-done taking into account the following additional services and facilities:

- J. Doane Farm Supplies
- J. Hernick Agricultural Hydraulic Services
- Eccles Feedmill
- Penny's Gas Bar and Variety Store
- Tullamore Market
- Uptown Farm Produce

The result of the sensitivity analysis was that the addition of these services/facilities made NO DIFFERENCE to the ranking of sub-areas.

TABLE 1: DISPLACEMENT OF SERVICES/FACILITIES - NUMBER DISPLACED

Service/Facility	AREA I IB	IC	AREA II IIB	IIC	IIE	IIF	AREA VI VIA	VIB
Schools								
Alloa Public School								
Mayfield Secondary School								
Churches								
Church of Jesus Christ of Latter Day Saints								
Home United Church								
Jehovah's Witnesses Assembly Hall								
Canadian Reformed Church								
Bramalea Christian Fellowship Church								
Salem United Church								
Cemeteries								
Alloa (Pioneer) Cemetery					•			
Memorial Gardens Cemetery								
St. Mary's Anglican Cemetery								•
Recreational Facilities								
Peel Regional Police Association Recreation Centre					•	•		
Castlemore Golf and Country Club								
Caledon Recreation Centre								
Upper Canada College Boys Camp								
Other								
J. Doane Farm Supplies								
J. Hernick Agricultural Hydraulic Services						•		
Eccles Feedmill								
Penny's Gas Bar and Variety Store								•
Tullamore Market								
Uptown Farm Produce								
Number Potentialy Displaced	0	0	0	0	2	2	0	2

TABLE 2: DISPLACEMENT OF SERVICES/FACILITIES - CHARACTERISTICS AND ALTERNATIVES

Services/Facilities Potentially Displaced	Number of Clients	Service Area	Role in Community	Availability of Alternatives
Alloa Pioneer Cemetery	N/A	Local	Low Historic Feature	N/A
St. Mary's Anglican Cemetery		Local	Low Still in Use	High
Peel Regional Police Association Recreation Centre	1,000+	Regional	Low-Moderate Banquet hall rented out; exhibition soccer games; plan further services for community	Low Alloa Home Church and School offer banquet hall and outdoor recreational facilities but not comparable capacity
J. Henrick Agricultural Hydraulic Services		Local	Low Serves Farmers in area	Low Loss would inconvenience residents
Penny's Gas Bar and Variety Store		Local	Low Serves residents in in area	Low Loss would inconvenience residents

NOTE: Assessment of "Role in Community" based on importance of facility from perspective of local residents (i.e. the use they make of it and extent to which it can be regarded as a community social resource) and not necessarily from the perspective of facility owner/operator (i.e. their assessment of the role of the facility in serving local users versus other users in the Region and beyond). This distinction is important. A facility that is "regional" may draw only a small percentage of its clients from the local area; yet, from the perspective of local users the facility may be regarded as quite important to their quality of life. Thus, instead of rating the role of the facility in the community as "Low" (based on percentage of local versus non-local users), it would warrant a higher rating.

"Availability of Alternatives" took into account both existence of alternatives in the Region and convenience for local residents (i.e. proximity of alternative, frequency of use on a day-to-day basis by residents).

TABLE 3: IMPACT RATING AND RANKING: DISPLACEMENT OF SERVICES/FACILITIES

	AREA I		AREA II				AREA VI	
	IB	IC	IIB	IIC	IIE	IIF	VIA	VIB
Number Potential Displaced	0	0	0	0	2	2	0	2
Number of Clients	-	-	-	-	N/A 1,000+	1,000+	-	-
Service Area	-	-	-	-	Local Regional	Regional Local	-	Local Local
Role in Community	-	-	-	-	Low Low-Moderate	Low-Moderate Low	-	Low Low
Availability of Alternatives	-	-	-	-	N/A Low	Low Low	-	High Low
Impact Rating	NI	NI	NI	NI	H	H	NI	L
Impact Ranking	1	1	1	1	8	7	1	6

Appendix 11

Interview Instrument and Drop-Off Surveys

SOCIO-ECONOMIC IMPACT ASSESSMENT

INTERVIEW INSTRUMENT

Prepared by:

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August 13, 1986

PART A

RESIDENT SURVEY

NOTE: This survey will be administered to all residents living within the primary impact zone.

INTERVIEW ID NUMBER _____

INTERVIEW FORM

THE PURPOSE OF THE INTERVIEW

The purpose for this interview is to collect information from residents who live on and in the area of the landfill siting options proposed by the Regional Municipality of Peel. This information, in combination with other information, will be used to assess the social and economic impacts of the landfill options.

Date: _____ Time: _____
Interviewer(s): _____
_____
Respondent's Name: _____
Address: _____
_____
_____
Lot: _____ Concession: _____
Township: _____
Telephone: _____
Assessment Roll Number: _____

INTERVIEWER NOTE: Confirm that the individual being interviewed is the same as the respondent noted above. The respondent should be told that this information will be used in a discreet manner and presented in aggregate form only. Neither the Region nor its consultants will volunteer, or attribute information of a personal, confidential or private nature.

Also, the respondents should be told that we appreciate their cooperation and they need not feel obligated to answer all or any questions.

INTERVIEW ID NUMBER _____

A. RESIDENCY

1. How many years have you lived at this address?

   INTERVIEWER NOTE: Show respondent the card

   ☐ 1. Less than one year
   ☐ 2. 1-2 years
   ☐ 3. 3-5 years
   ☐ 4. 6-10 years
   ☐ 5. 11-15 years
   ☐ 6. 16-20 years
   ☐ 7. More than 20 years
   ☐ 8. Always lived here

2. Which member of this household has lived at this address the longest? _____
   For how many years? _____

3. How long have you lived in this community? ***(Show respondent the map and card.)***

   INTERVIEWER NOTE: "Community" refers to the community boundary shown on the SIA Impact Zones Map. This question refers to their total lifetime.

   ☐ 1. Less than one year
   ☐ 2. 1-2 years
   ☐ 3. 3-5 years
   ☐ 4. 6-10 years
   ☐ 5. 11-15 years
   ☐ 6. 16-20 years
   ☐ 7. More than 20 years
   ☐ 8. Always lived in this community

4. Which member of this household has lived in this community the longest? _____
   For how many years? _____

5. Is this dwelling:
   ☐ 1. owned or being bought by you or a member of this household?
   ☐ 2. rented (even if no cash rent is paid)?

6. Was this property owned by another member of your family before you moved here?

YES ☐ 1. NO ☐ 2.

If yes, how many years has this property been owned by members of your family? _____ years

7. Is your house or property used for any farming or other business activity?

INTERVIEWER NOTE: Probe to separate "other business" from agri-business.

NO ☐ FARMING ☐
AGRI-BUSINESS ☐ OTHER BUSINESS ☐
(Specify) _____

INTERVIEWER NOTE: If they answer farm or agri-business administer the Farm Questionnaire <u>after</u> completion of this Household Survey.

B. SITING ANNOUNCEMENT

8. When did you first learn that this area was proposed as a candidate area for a landfill? _____

9. How has the announcement of the proposed landfill affected you and your household?

_____
_____
_____
_____
_____
_____

10. Do you have any concerns about the proposed landfill facility?

YES ☐ NO ☐ DON'T KNOW ☐

If yes, please specify your concerns.

_____
_____
_____
_____
_____
_____
_____
_____

INTERVIEW ID NUMBER _____

C. USE AND ENJOYMENT OF PROPERTY

We would like information about how you use your property for social and recreational activities.

11a. Do you or other members of your household currently use your property for any of the following outdoor social and recreational activities?

INTERVIEW NOTE: Provide card and check the appropriate activities.

11b. If the landfill is sited in your community, which of your activities, if any, do you think would be affected and how do you feel they would be affected?

INTERVIEWER NOTE: Probe for details on how activities would be affected.

Check Activities Here a.	Would Be Affected Yes	No b.	Don't Know	Effects c.
☐ 1. Swimming	☐	☐	☐	
☐ 2. Gardening	☐	☐	☐	
☐ 3. Entertaining Friends and Relatives	☐	☐	☐	
☐ 4. Snowmobiling	☐	☐	☐	
☐ 5. Cross-Country Skiing	☐	☐	☐	
☐ 6. Family Barbeques	☐	☐	☐	
☐ 7. Children's Activities	☐	☐	☐	
☐ 8. Hunting	☐	☐	☐	
☐ 9. Fishing	☐	☐	☐	
Other (specify)				
☐ _____	☐	☐	☐	
☐ _____	☐	☐	☐	
☐ _____	☐	☐	☐	

12. Do you have any plans to improve or change how you use your home or property in the future?

YES ☐ 1. NO ☐ 2. **Q. 14**

If yes, specify _____

_____

_____

_____

13. Would the landfill affect these plans in any way?

YES ☐ 1. NO ☐ 2. DON'T KNOW ☐ 3.

If yes, in what way(s)? _____

_____

_____

_____

D. SATISFACTION WITH COMMUNITY

The next few questions will provide us with an idea of how satisfied you are with this area as a place to live and what you like and/or dislike about the area. When you respond, we would like you to think about how you felt about this area prior to the announcement of the Region's selection of the area as a candidate site for a landfill.

14. Generally, how satisfied were you with this area as a place to live?

INTERVIEWER NOTE: Show respondent the card

Very Dissatisfied				Very Satisfied
1	2	3	4	5

15. What were the three most important characteristics you liked about this area?

_____

_____

_____

_____

_____

_____

_____

_____

16. On this card are some possible characteristics that may make a community a satisfying place to live. Which of these characteristics, if any, do you like most about this area?

INTERVIEWER NOTE: Show respondent the card and check as many as applicable.

Good place to raise children	☐ a.
Friendly people	☐ b.
Attractive area	☐ c.
Large properties	☐ d.
Open space	☐ e
Peace and quiet	☐ f.
Safety	☐ g.
Pace of life	☐ h.
Values of the community	☐ i.
Accessibility to work, school, etc.	☐ j.
Accessibility to friends	☐ k.
Way of life	☐ l.
Clean air	☐ m.
Traffic	☐ n.
Quality of schools	☐ o.
Cooperation among neighbours	☐ p.
Absence of industrial development	☐ q.

INTERVIEW ID NUMBER _____

17. On this card are some additional characteristics that could sometimes be a problem in a community. Do you find any of these to be a problem in this area?

INTERVIEWER NOTE: Show respondent the card and check as many as applicable.

Accessibility to places you want to go to	☐ 1.
Traffic	☐ 2.
Neighbours	☐ 3.
Lack of upkeep of neighbouring properties	☐ 4.
Odours (e.g., manure application)	☐ 5.
Dust	☐ 6.
Noise	☐ 7.
Water quality	☐ 8.
Lack of political influence	☐ 9.
Other (specify)	
_____	☐
_____	☐
_____	☐
None of the above	☐

18. The following is a list of services provided in most communities. Please rate the quality of these services in your community in terms of whether they are very good, good, adequate, poor or very poor.

INTERVIEWER NOTE: Show respondent the card

		Very Good	Good	Adequate	Poor	Very Poor	Don't Know/ No Opinion
		1.	2.	3.	4.	5.	6.
Police Protection	a.	☐	☐	☐	☐	☐	☐
Fire Protection	b.	☐	☐	☐	☐	☐	☐
Quality of Schools	c.	☐	☐	☐	☐	☐	☐
Recreational Facilities and Services	d.	☐	☐	☐	☐	☐	☐
Medical and Health Facilities	e.	☐	☐	☐	☐	☐	☐
Shopping Facilities for Daily Needs	f.	☐	☐	☐	☐	☐	☐
Maintenance of Roads	g.	☐	☐	☐	☐	☐	☐

19. Do you think that a landfill would affect your satisfaction with this community as a place to live?

YES ☐ 1. NO ☐ 2. DON'T KNOW ☐ 3.

If yes, in what way? _____

_____

_____

_____

_____

_____

INTERVIEW ID NUMBER _____

20. For this question, assume that the landfill will <u>not be</u> located here. If you had to move from this property and were presented with the option of relocating in this community or elsewhere, would you stay in this community?

YES ☐ 1. NO ☐ 2. DON'T KNOW ☐ 3.

21. Since the Region selected this area as a possible site for a landfill have you considered moving because of the proposed landfill?

YES ☐ 1. NO ☐ 2. **Q. 23**

22. Have you taken any steps towards moving such as contacting a real estate agent or putting your property up for sale?

YES ☐ 1. NO ☐ 2.

If yes, what steps have you taken?

_____
_____
_____
_____
_____

23. If the proposed landfill is located here, would you move?

YES ☐ 1. NO ☐ 2. DON'T KNOW ☐ 3.

If yes, where would you move? _____
_____
_____

INTERVIEWER NOTE: If respondent answered Yes to Q. 21 and/or Q. 23, ask:

24. Are there any reasons why you would be reluctant to move or do you foresee any problems that would make it difficult for you to move?

YES ☐ 1. NO ☐ 2. DON'T KNOW ☐ 3.

If yes, please specify. _____
_____
_____

E. COMMUNITY COHESION AND INVOLVEMENT

INTERVIEWER NOTE: For questions 25 and 26, show the appropriate map of the community.

25. Think of your three closest friends and tell me how many live in this community.

ONE ☐ 1. TWO ☐ 2. THREE ☐ 3. NONE ☐ 4.

26. Do you have relatives living in this community other than those in this household?

YES ☐ 1. NO ☐ 2.

27. How often do you visit with neighbours?

INTERVIEWER NOTE: Show respondent the card

Never	☐ 1.
Seldom (once a year)	☐ 2.
Sometimes (1 or 2 times a month)	☐ 3.
Often (1 or 2 times a week)	☐ 4.
Very Often (daily)	☐ 5.

28. How often do you help any neighbour or ask for help from any neighbour <u>such as</u> borrowing tools or food, watching each other's houses while away, providing rides for each other when car is not working or helping each other in house repairs, farm chores, etc.?

INTERVIEWER NOTE: Show respondent the card

Never	☐ 1.
Seldom (once a year)	☐ 2.
Sometimes (1 or 2 times a month)	☐ 3.
Often (1 or 2 times a week)	☐ 4.
Very Often (daily)	☐ 5.

29. Are you or any other members of your household presently active members of community groups or assocations within the Region of Peel?

INTERVIEWER NOTE: ***Community groups and associations would include the Women's Institute, 4H Club, sports organizations, church groups, etc.***

YES ☐ 1. NO ☐ 2. DON'T KNOW ☐ 3.

If yes, please indicate the names of the groups or associations and indicate whether you or household members are presently on the executive of these groups or associations.

a.	ON EXECUTIVE b. YES 1.	NO 2.
_____	☐	☐
_____	☐	☐
_____	☐	☐
_____	☐	☐
_____	☐	☐
_____	☐	☐
_____	☐	☐
_____	☐	☐
_____	☐	☐
_____	☐	☐

 INTERVIEW ID NUMBER _____

F. USE OF LOCAL FACILITIES

30. Do you have any children attending school?

YES ☐ 1. NO ☐ 2. **Q. 32**

31. Which schools do they attend?

_____
_____
_____
_____

32. Do you or other members of your household attend church services?

REGULARLY ☐ OCCASIONALLY ☐ NEVER ☐

If regularly or occasionally, please provide the name of the church and the municipality in which it is located.

_____

33. Where do you go for the following?

INTERVIEWER NOTE: Show map of the community and get specific location.

	Location
groceries	_____
convenience goods (i.e. milk; bread; pop)	_____
gasoline	_____
auto repairs	_____
doctor	_____
dentist	_____
drug store supplies	_____
library	_____
recreational facilities	_____
other (specify)	
_____	_____
_____	_____

G. HEALTH, SAFETY AND OTHER PUBLIC CONCERNS

We would now like to ask a few questions related to health, safety and other concerns mentioned by the public.

34. Do you or other members of your family have any health problems that you think are relevant to this study?

YES ☐ NO ☐

If yes, please indicate who, his or her age, and what kind of problem.

_____

What is your concern, specifically?

_____

_____

_____

_____

35. What type of water supply serves this property for household purposes?

		YES	NO
1.	Cistern - rain water only	☐	☐
2.	Cistern - rain water and purchased water	☐	☐
3.	Dug well	☐	☐
4.	Drilled well	☐	☐
5.	Municipal supply (piped in)	☐	☐
6.	Stream	☐	☐
7.	Pond	☐	☐

36. Do you have any concerns that the landfill may affect your water supply?

YES ☐ NO ☐ DON'T KNOW ☐

If yes, what are your concerns? (please specify)

_____

_____

_____

_____

37. If required, would the provision of an alternative water supply be acceptable to you?

YES ☐ NO ☐ NOT CERTAIN ☐

If no, why not?

_____

_____

_____

_____

If not certain, what are your concerns?

_____

_____

_____

INTERVIEW ID NUMBER _____

38. Listed below are some possible effects of landfills. Based on what you currently know about the proposal, please indicate whether you think your household would be affected:

INTERVIEWER NOTE: Show respondent the card.

		Yes 1.	No 2.	Don't Know 3.
1.	Noise from landfilling operations	☐	☐	☐
	changes to household changes to farm	_____ _____ _____		
2.	Odours from the landfill	☐	☐	☐
	changes to household changes to farm	_____ _____ _____		
3.	Dust from landfill operations	☐	☐	☐
	changes to household changes to farm	_____ _____ _____		
4.	Garbage truck traffic on regional roads	☐	☐	☐
	changes to household changes to farm	_____ _____ _____		
5.	Being able to see the landfill	☐	☐	☐
	changes to household changes to farm	_____ _____ _____		
6.	Birds and rodents attracted to the landfill	☐	☐	☐
	changes to household changes to farm	_____ _____ _____		
7.	Blowing litter from the landfill and trucks	☐	☐	☐
	changes to household changes to farm	_____ _____ _____		

INTERVIEWER NOTE: For each of the events noted as potentially affecting the household or farm, use the space provided above to note the changes.

39. Do you think your property value would change if the landfill is located here?

YES ☐ 1. NO ☐ 2. **Q. 40** DON'T KNOW ☐ 3. **Q. 40**

If yes, do you think it will increase or decrease?

INCREASE ☐ 1. DECREASE ☐ 2. DON'T KNOW ☐ 3.

And do you think the effect will be a short-term or a long-term one?

SHORT-TERM ☐1. LONG-TERM ☐2.

INTERVIEWER NOTE: Short-term is defined as 2 years or less; long-term is more than 2 years.

40. How would a change in property value affect you?

_____

_____

_____

_____

_____

_____

41. Please indicate how important you feel each of the following steps is to protect the interests of residents in this community if the landfill is located here. ***INTERVIEWER NOTE: Show respondent the card.***

		Not Important 1	2	3	4	Very Important 5	Don't Know 6
a.	Monitoring of public health	☐	☐	☐	☐	☐	☐
b.	Regular public reports on facility operations	☐	☐	☐	☐	☐	☐
c.	Compensation for direct costs and damages	☐	☐	☐	☐	☐	☐
d.	Monitoring of air and water quality	☐	☐	☐	☐	☐	☐
e.	Compensation for loss of land values	☐	☐	☐	☐	☐	☐
f.	Monitoring of contaminants in soils and crops	☐	☐	☐	☐	☐	☐
g.	Monitoring of contaminants in the livestock	☐	☐	☐	☐	☐	☐
h.	Local residents represented on a Committee to monitor operations	☐	☐	☐	☐	☐	☐
i.	Monitoring of land values and other economic factors (i.e. produce sales)	☐	☐	☐	☐	☐	☐
j.	Pre-servicing of the site to provide an alternate water source to residents and farms not presently serviced	☐	☐	☐	☐	☐	☐

42. Other than these steps is there anything else that the Region should consider doing to protect the interests of local residents?

_____
_____
_____
_____
_____
_____
_____
_____

43. Of all the steps mentioned, what do you feel are the <u>three most important</u> steps that the Region can take to protect the interests of community residents?

_____
_____
_____
_____

44. Do you feel that you have had sufficient opportunities to learn about the landfill and its potential impacts?

YES ☐ NO ☐ DON'T KNOW ☐

45. Do you feel that you have had sufficient opportunities to discuss the proposed landfill with:

	Yes	No	Don't Know
Regional Officials/Consultants	☐	☐	☐
Regional Politicians	☐	☐	☐
Brampton Politicians	☐	☐	☐
Other Residents in Your Community	☐	☐	☐

46. Do you feel that you and other residents in your community will be able to influence the final decisions of whether or not the landfill will be located here?

YES ☐ NO ☐ DON'T KNOW ☐

If no, why do you feel this way? _____
_____
_____
_____
_____
_____
_____
_____

47. Have you or anyone else in this household been involved in any of the following activities since the Region selected this area as a candidate site for the landfill?

INTERVIEWER NOTE: Show respondent the card and check as many as applicable.

Telephone/written or spoken to local politicians	☐
Telephone/written or spoken to other politicians	☐
Read Regional reports on the landfill	☐
Attended an Open House organized by the Region	☐
Attended a meeting organized by a local citizens' group	☐
Researched the topic of landfilling	☐
Attended a Council Meeting where the landfill was discussed	☐
Other (specify) _____	☐
_____	☐
No actions taken	☐

INTERVIEW ID NUMBER _____

H. HOUSEHOLD CHARACTERISTICS

48. How many adults 18 years of age or over are living in this household? _____

49. How many children under 18 years of age are living in this household? _____

50. To which age group does each member of your household belong?

INTERVIEWER NOTE: Show respondent the card.

	Age Group
Person a (respondent)	_____
Person b	_____
Person c	_____
Person d	_____
Person e	_____
Person f	_____
Person g	_____
Person h	_____

51. To which ethnic or cultural group do you belong?

INTERVIEWER NOTE: Give card to the respondent

English	☐ 1.
Scottish	☐ 2.
Irish	☐ 3.
French	☐ 4.
Dutch	☐ 5.
Greek	☐ 6.
Italian	☐ 7.
German	☐ 8.
Portuguese	☐ 9.
Scandinavian	☐ 10.
Ukranian	☐ 11.
Polish	☐ 12.
Native Indian or Metis	☐ 13.
Other (specify) _____	☐

52. Do you have any other comments?

INTERVIEWER NOTE: Use this space to record comments.

PART B

FARM SURVEY

INTERVIEW ID NUMBER _____

1. What type of business do you operate?

INTERVIEWER NOTE: If respondent uses property for more than one business, note all businesses.

Farm ☐

Agri-Business
Custom Work ☐
Horse Training/Boarding ☐
Slaughter House ☐
Equipment Sales and Service ☐
Construction ☐
Feed Mill ☐
Other (write in)
_____ ☐
_____ ☐

2. Do you expect that the Regional landfill being located in this community would affect your farm operation or agri-business?

YES ☐ NO ☐ DON'T KNOW ☐

If yes, how do you think it will affect your operation?

_____
_____
_____
_____
_____
_____

3. How many full-time employees do you have? _____ (work 30 hours or more per week).

How many part-time? _____

4a. How many employees did you have a year ago?

Full-Time _____ Part-time _____

INTERVIEWER NOTE: If there has been a change in the number of part-time or full-time employees ask:

4b. Why has the number of employees gone up (down) since the last year?

_____
_____
_____
_____
_____

5. What do you see as the prospects for your operation over the next 5 years?

Increase/Expand ☐
Decrease ☐
No Change ☐
Don't Know ☐

Why is that? *(PROBE)*

_____
_____
_____
_____
_____

6. If you had to relocate, would you continue your operation?

YES ☐ NO ☐ DON'T KNOW ☐

If no, why not?

_____
_____
_____
_____
_____

If yes, where would you relocate?

_____
_____
_____
_____
_____

7. What would you estimate your 1985 gross income to have been from your business or farm operation?

INTERVIEWER NOTE: Show respondent the card.

☐1. Less than $20,000
☐2. $20,001-$40,000
☐3. $40,001-$60,000
☐4. $60,001-$80,000
☐5. $80,001-$100,000
☐6. >$100,000

INTERVIEW ID NUMBER _____

FARM USE OF PROPERTY

INTERVIEWER NOTE: The remainder of the questions are to be asked only of farm operators.

8. What is the total acreage of this property? _____

9. How many acres are:

   Workable _____
   Pasture _____
   Woodlot _____
   Other _____

10. Is the property: Owned by you ☐ **Q. 12**
    Rented by you ☐

11a. If rented, who is the registered owner?
   Name _____
   Address _____
   Telephone _____

11b. How long have you been renting this property? _____ years

11c. How many years are remaining on your present lease? _____ years
   Not applicable ☐

12. Do you rent any of this property to anyone else?

   YES ☐ NO ☐

   If yes, how many acres? _____

   Who rents the land?
   Name _____
   Address _____
   Telephone _____

13. Would you describe this farm as a:

   full-time operation ☐
   part-time operation ☐
   hobby farm ☐
   other (write in)
   _____ ☐

INTERVIEW ID NUMBER _____

14. Do you farm other properties? YES ☐ NO ☐

15. If yes, what properties are you farming?

INTERVIEWER NOTE: Ask for Lot, Concession and Municipality. Record the Assessment Roll Number.

Lot	Concession	Municipality	Assessment Roll Number

16. How much workable farm land is there, in total, in these properties? _____ acres

17. How much of this land:
    1. do you own _____ acres
    2. do you rent from someone else _____ acres
    3. other (specify) _____

18. Are there any other occupied houses on any of the properties that you farm?

    YES ☐ NO ☐

19. If yes, please provide a name and address for each house.

INTERVIEWER NOTE: Show respondent the map and record the assessment roll number of the property below.

Assessment Roll Number	Name	Address

20. Starting with the most important, what are the main farming activities taking place in your farm business?

INTERVIEWER NOTE: If more than one, obtain an indication of the relative importance by ranking, starting at 1 - most important.

1.	Cash Crop (specify) _____	☐
2.	Mixed Crop	☐
3.	Dairy	☐
4.	Poultry	☐
5.	Beef Cow-Calf	☐
6.	Beef Calf to finish	☐
7.	Beef Feedlot	☐
8.	Sow - Farrow to Finish	☐
9.	Sow - Farrow to Weaner	☐
10.	Feeder Hogs	☐
11.	Other (write in)	
	_____	☐
	_____	☐
	_____	☐

21. What percentage of your 1985 gross farm income did you obtain from the various farm activities you mentioned?

Farm Activity	Percentage
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

22. So that we can identify everyone involved in the farm operation, can you identify those people working on the farm, describe whether they are full-time or part-time, and indicate how many weeks they work each year. (Status Code: full-time = 1; part-time = 2)

	Status	Weeks of Employment in 1985
Respondent	_____	_____
Spouse	_____	_____
Dependents		
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
Other Family (e.g. brother)	_____	_____
Other Hired Labour	_____	_____

INTERVIEWER NOTE: When calculating total weeks - 1 week is equivalent to 6 days or 48 hours.

INTERVIEW ID NUMBER _____

23. Where do you purchase supplies and services for your farm?

INTERVIEWER NOTE: If not within the community boundaries ask for the municipality.

	Supplier Name	Location (street, municipality)
Seed		
Chemicals		
Fertilizer		
Fencing, Twine, etc.		
Feed		
Equipment Purchases And Repairs		
Building Repairs		
Trucking		
Custom Work		
Farm Management Services		
Veterinarian		
Other (specify)		
_____		
_____		
_____		

INTERVIEW ID NUMBER _____

WATER SUPPLY

24a. What type of water supply do you have for livestock, irrigation and/or other agricultural activities?

		Livestock	Irrigation	Other
1.	cistern - rain water only	☐	☐	☐
2.	cistern - rain water and purchased water	☐	☐	☐
3.	dug well	☐	☐	☐
4.	municipal supply (piped in)	☐	☐	☐
5.	stream	☐	☐	☐
6.	pond	☐	☐	☐
7.	drilled well	☐	☐	☐

INTERVIEWER NOTE: If respondent uses water for livestock and/or irrigation, ask the following. Specify units of measurement (e.g. gallons, litres, tons).

24b. How much water do you use annually for:

1. Irrigation _____
2. Livestock _____

25. Do you have any concerns that the proposed landfill may affect your water supply?

YES ☐ NO ☐ DON'T KNOW ☐

If yes, what are your concerns?

_____
_____
_____
_____
_____

26. Would the provision of an alternate water supply, if required, be acceptable to you?

YES ☐ NO ☐ DON'T KNOW ☐

If no, why not?

_____
_____
_____
_____
_____

FARM ACCESS

INTERVIEWER NOTE: The following questions are to be asked of all farm operators. The major access routes of concern are:

Areas 1 and 2

a) Queen Street, between Mississauga Road and Highway 10
b) Mississauga Road, between Queen Street and 15th Sideroad (Wanless Drive)
c) Second Line West, between Queen Street and 15th Sideroad (Wanless Drive)
d) 15th Sideroad (Wanless Drive), between Mississauga Road and Second Line West (Chinguacousy Road)
e) Highway 7, between Second Line West (Chinguacousy Road) and Kennedy Road

Area 6

g) Bovaird Drive, between Heart Lake Road and Airport Road
h) Torbram Road, between Bovaird Drive and 15th Sideroad (Countryside Drive)
i) Airport Road, between Bovaird Drive and 15th Sideroad (Countryside Drive)

27. Do you move farm equipment along any of these road segments?

YES ☐ NO ☐

INTERVIEWER NOTE: Show the card with the named access road segments.

If yes, which road segments?

1. _____
2. _____
3. _____

28. Would the landfill truck traffic affect the movement of your farm equipment along these road segments?

YES ☐ NO ☐ DON'T KNOW ☐

If yes, how would it be affected?

_____
_____
_____
_____
_____

29. Could you indicate the type and number of times vehicle traffic turn in and out of your laneway on a regular basis and whether they are made on a yearly or seasonal basis.

	Number Per Month	OR	Per Year	Year Round (check)	Seasonal (number of months)
Milk truck	____		____	_____	_____
Feed truck	____		____	_____	_____
Livestock truck	____		____	_____	_____
Veterinarian	____		____	_____	_____
Propane fill-ups	____		____	_____	_____
Customers for fruit/vegetable stand	____		____	_____	_____
"pick your own"	____		____	_____	_____
Other (specify)					
_____	____		____	_____	_____
_____	____		____	_____	_____

None (check) _____

 INTERVIEW ID NUMBER _____

FUTURE FARM PLANS

30. Have you recently considered making any of the following changes in your farm operation? If yes, please describe briefly and explain why? ***INTERVIEWER NOTE: Show respondent the card.***

Check if applicable		Explanation
☐	1. Obtain more cropland	_____
☐	2. Cut back on cropland	_____
☐	3. Invest in: buildings	_____
	4. drainage	_____
	5. equipment	_____
☐	6. Get out of farming	_____
☐	7. Move farm operation (where)	_____
☐	8. Pass operation over to family member within a few years	_____
☐	9. Other	_____

31. Would the landfill affect these plans in any way?

YES ☐ NO ☐ DON'T KNOW ☐

If yes, in what way(s)? _____

PART C

ACCESS ROAD

SURVEY

INTERVIEW ID NUMBER _____

ACCESS ROUTE SURVEY

The following questions are to assist us in evaluating the effects of the resulting increased vehicular traffic going to and from the proposed landfill facility.

INTERVIEWER NOTE: The following questions are to be asked of all households within the impact study zones that abut the following road segments:

Areas 1 and 2

a) Queen Street, between Mississauga Road and Highway 10
b) Mississauga Road, between Queen Street and 15th Sideroad (Wanless Drive)
c) Second Line West, between Queen Street and 15th Sideroad (Wanless Drive)
d) 15th Sideroad (Wanless Drive), between Mississauga Road and Second Line West (Chinguacousy Road)
e) Highway 7, between Second Line West (Chinguacousy Road) and Kennedy Road

Area 6

g) Bovaird Drive, between Heart Lake Road and Airport Road
h) Torbram Road, between Bovaird Drive and 15th Sideroad (Countryside Drive)
i) Airport Road, between Bovaird Drive and 15th Sideroad (Countryside Drive)

INTERVIEWER NOTE: Indicate which access route segment this household abuts. _____

INTERVIEW ID NUMBER _____

1. Do you have any concerns with the current traffic movement that passes by your house?

   YES ☐ NO ☐ **Q. 3**

2. If yes, what are your concerns?

   _____
   _____
   _____
   _____
   _____
   _____
   _____
   _____
   _____
   _____

3. Listed below are possible access routes to be used by trucks destined for the landfill. For the ones located in your area, please indicate whether you would have any concerns about refuse truck traffic on these roads and what your concerns would be.

	Yes	No	Concern
Mississauga Road	☐	☐	_____
2nd Line	☐	☐	_____
Torbram Road	☐	☐	_____
Airport Road	☐	☐	_____
15th Sideroad	☐	☐	_____
Bovaird Drive	☐	☐	_____
Highway 7	☐	☐	_____
Queen St. E.	☐	☐	_____

4. Do you or other members of your household currently use the roadway shoulder for any of the following activities?

INTERVIEWER NOTE: Show respondent the card.

	YES	NO
Bicycle Riding	☐	☐
Walking for pleasure	☐	☐
Walking to a friend's house	☐	☐
Horseback riding	☐	☐
Snowmobiling	☐	☐
Walking to shopping	☐	☐
Walking to school	☐	☐
Waiting for school bus	☐	☐
Jogging	☐	☐
Other (please specify)	☐	☐

_____

_____

5. Would the additional landfill-related truck traffic affect your use of the roadway area for any of the above activities?

YES ☐ NO ☐

If yes, which activities and how would they be affected?

Activity	Effect on Activity
_____	_____
	_____
	_____
_____	_____
	_____
	_____
_____	_____
	_____
	_____
_____	_____
	_____
	_____
_____	_____
	_____
	_____

6. Do you have any concerns about the traffic that could result from the landfill operation?

YES ☐ NO ☐

If yes, what are your concerns?

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

7. If the landfill is located here, what could the Region do to help deal with your concerns about traffic?

_____
_____
_____
_____
_____

SOCIO-ECONOMIC IMPACT ASSESSMENT

REGIONAL MUNICIPALITY OF PEEL PROPOSED LANDFILL FACILITY

ACCESS ROUTE SURVEY

Prepared by:

ARMOUR AND ASSOCIATES
70 Ruddington Drive, #105
Willowdale, Ontario M2K 2X8

and

INSTITUTE OF ENVIRONMENTAL RESEARCH (1985) INC.
81 Sheppard Avenue West, Suite 201
Willowdale, Ontario M2N 1M4

and

C.N. WATSON AND ASSOCIATES LTD.
211-2 Dunbloor Road
Islington, Ontario M9A 2E4

September, 1986

ACCESS ROUTE SURVEY

The purpose of this questionnaire is to collect information that will assist us to evaluate the potential impacts of increased vehicular traffic going to and from the proposed landfill facility. This questionnaire has been sent to a sample of randomly selected residents whose property abuts the access road segments shown below:

Areas 1 and 2

a) Queen Street, between Mississauga Road and Highway 10
b) Mississauga Road, between Queen Street and 15th Sideroad (Wanless Drive)
c) Second Line West, between Queen Street and 15th Sideroad (Wanless Drive)
d) 15th Sideroad (Wanless Drive), between Mississauga Road and Second Line West (Chinguacousy Road)
e) Highway 7, between Second Line West (Chinguacousy Road) and Kennedy Road

Area 6

g) Bovaird Drive, between Dixie Road and Airport Road
h) Torbram Road, between Bovaird Drive and 15th Sideroad (Countryside Drive)
i) Airport Road, between Bovaird Drive and 15th Sideroad (Countryside Drive)

Within the next few days, a representative from the Institute of Environmental Research will come by your home to pick up the completed questionnaire. If by chance no one is home at that time, we will leave a stamped self-addressed envelope so that you can mail back the completed questionnaire.

Please complete the following questions to the best of your ability.

THE RESPONDENT MUST BE 18 YEARS OF AGE OR OLDER.

PLEASE BE ASSURED THAT EVERY EFFORT WILL BE MADE TO ENSURE THAT THE INFORMATION ASKED FOR IN THIS QUESTIONNAIRE WILL BE USED IN A DISCREET MANNER AND PRESENTED IN AGGREGATE FORM ONLY. NEITHER THE REGION NOR ITS CONSULTANTS WILL VOLUNTEER OR ATTRIBUTE INFORMATION OF A PERSONAL, CONFIDENTIAL, OR PRIVATE NATURE.

1. How many years have you lived at this address?

   ☐1. Less than one year
   ☐2. 1-2 years
   ☐3. 3-5 years
   ☐4. 6-10 years
   ☐5. 11-15 years
   ☐6. 16-20 years
   ☐7. More than 20 years
   ☐8. Always lived here

2. Is this dwelling

   ☐1. owned or being bought by you or a member of this household?
   ☐2. rented (even if no cash rent is paid)?

3. How many adults 18 years of age or over are living in this household? _____

4. How many children under 18 years of age are living in this household? _____

5. To which age group listed below does <u>each</u> member of your household belong?

   <u>Age Groups:</u>

0-4	35-44
5-9	45-54
10-14	55-64
15-19	65 and over
20-34	

	<u>Age Group</u>
Person A (the person answering the questionnaire)	_____
Person B	_____
Person C	_____
Person D	_____
Person E	_____
Person F	_____
Person G	_____
Person H	_____

6. Do you have any concerns with the current traffic movement that passes by your house?

   YES ☐ NO ☐

7. If yes, what are your concerns?

   _____
   _____
   _____
   _____
   _____
   _____
   _____
   _____
   _____
   _____

8. Do you have any concerns about existing traffic on specific roads in your community? Please state which road(s) and the nature of your concerns.

Road	Concerns

9. Do you have any concerns about the traffic that could result from the landfill operation?

YES ☐ NO ☐

If yes, what are your concerns? (please specify)

10. Listed below are possible access roads to be used by trucks destined for the landfill. Please indicate in the space provided below which access road you reside on.

Areas 1 and 2

a) Queen Street, between Mississauga Road and Highway 10
b) Mississauga Road, between Queen Street and 15th Sideroad (Wanless Drive)
c) Second Line West, between Queen Street and 15th Sideroad (Wanless Drive)
d) 15th Sideroad (Wanless Drive), between Mississauga Road and Second Line West (Chinguacousy Road)
e) Highway 7, between Second Line West (Chinguacousy Road) and Kennedy Road

Area 6

g) Bovaird Drive, between Dixie Road and Airport Road
h) Torbram Road, between Bovaird Drive and 15th Sideroad (Countryside Drive)
i) Airport Road, between Bovaird Drive and 15th Sideroad (Countryside Drive)

Please indicate here which access road you reside on.

_____

Do you have any concerns about refuse truck traffic on the road which you reside on (i.e., the road you've noted above)?

YES ☐ NO ☐ DON'T KNOW ☐

If yes, what are your concerns? (please specify)

_____
_____
_____
_____
_____
_____
_____
_____

11. Do you or other members of your household currently use the roadway shoulder for any of the following activities? Please check in the appropriate box(es).

Bicycle Riding	☐
Walking for pleasure	☐
Walking to a friend's house	☐
Horseback riding	☐
Snowmobiling	☐
Walking to shopping	☐
Walking to school	☐
Waiting for school bus	☐
Jogging	☐
Other (please specify)	
_____	☐
_____	☐

12. Would the additional landfill-related truck traffic affect your use of the roadway area for any of the above activities?

    YES ☐ NO ☐

    If yes, which activities and how would they be affected?

Activity	How They Would Be Affected

13. If the landfill is located here, what could the Region do to help deal with your concerns about traffic?

14. Do you have any concerns, other than those related to transportation, about the proposed landfill facility?

SOCIO-ECONOMIC IMPACT ASSESSMENT

REGIONAL MUNICIPALITY OF PEEL PROPOSED LANDFILL FACILITY

WATER USE SURVEY

Prepared by:

ARMOUR AND ASSOCIATES
70 Ruddington Drive, #105
Willowdale, Ontario M2K 2X8

and

INSTITUTE OF ENVIRONMENTAL RESEARCH (1985) INC.
81 Sheppard Avenue West, Suite 201
Willowdale, Ontario M2N 1M4

and

C.N. WATSON AND ASSOCIATES LTD.
211-2 Dunbloor Road
Islington, Ontario M9A 2E4

September, 1986

WATER USE SURVEY

The purpose of this questionnaire is to collect information that will assist us to evaluate the potential impact of the proposed landfill facility on water use by residents in non-serviced areas. A non-serviced area is one which does not have city-provided water but rather use wells, cisterns and surface water bodies. This questionnaire has been sent to a sample of randomly selected residents living within the non-serviced areas near the potential site.

Within the next few days, a representative from the Institute of Environmental Research will come by your home to pick up the completed questionnaire. If by chance no one is home at that time, we will leave a stamped self-addressed envelope so that you can mail back the completed questionnaire.

Please complete the following questions to the best of your ability.

THE RESPONDENT MUST BE 18 YEARS OF AGE OR OLDER.

Name: _____

Address: _____

_____

_____

Telephone: _____

PLEASE BE ASSURED THAT EVERY EFFORT WILL BE MADE TO ENSURE THAT THE INFORMATION ASKED FOR IN THIS QUESTIONNAIRE WILL BE USED IN A DISCREET MANNER AND PRESENTED IN AGGREGATE FORM ONLY. NEITHER THE REGION NOR ITS CONSULTANTS WILL VOLUNTEER, OR ATTRIBUTE INFORMATION OF A PERSONAL, CONFIDENTIAL, OR PRIVATE NATURE.

1. How many years have you lived at this address?

   ☐1. Less than one year
   ☐2. 1-2 years
   ☐3. 3-5 years
   ☐4. 6-10 years
   ☐5. 11-15 years
   ☐6. 16-20 years
   ☐7. More than 20 years
   ☐8. Always lived here

2. Is this dwelling:

   ☐1. owned or being bought by you or a member of this household?
   ☐2. rented (even if no cash rent is paid)?

3. How many adults 18 years of age or over are living in this household? _____

4. How many children under 18 years of age are living in this household? _____

5. To which age group listed below does <u>each</u> member of your household belong?

Age Groups:		
	0-4	35-44
	5-9	45-54
	10-14	55-64
	15-19	65 and over
	20-34	

	Age Group
Person A (the person answering this questionnaire)	_____
Person B	_____
Person C	_____
Person D	_____
Person E	_____
Person F	_____
Person G	_____
Person H	_____

6. What type of water supply serves this property for household purposes?

	Yes	No
1. Cistern - rain water only	☐	☐
2. Cistern - rain water and purchased water	☐	☐
3. Dug well	☐	☐
4. Drilled well	☐	☐
5. Stream	☐	☐
6. Pond	☐	☐

Armour and Associates
Environmental Planning
Impact Assessment

Audrey Armour MES MCIP
Principal

193 Annette Street, #1
Toronto, Ont., M6P 1P7
(416) 769-4338

September 10, 1986

Dear Resident:

Since 1981, the Regional Municipality of Peel has been searching for an environmentally acceptable site for a landfill within the City of Brampton. The search has been narrowed down to three siting options shown in the attached copy of Waste Management News, June 1986.

Our firm and the Institute of Environmental Research Inc., have been hired by the Region to carry out a Social Impact Assessment (SIA) of the three landfill siting options. The objectives of our study are: (a) to determine, for each site, how a landfill would affect peoples' way of life and their community, and (b) to identify differences among the sites and, if possible, to rank them.

We would like your assistance in carrying out this study. We need information on your family's way of life and any concerns you may have about the proposed landfill. We have developed a detailed questionnaire and we would like to meet with you and get your responses to our questions. This meeting will take about 60 to 90 minutes.

During the past six weeks, our staff called a number of times but were unable to reach you by telephone to set up an interview time (a previous letter stating the purpose of the survey, and that attempts to schedule an interview would be made, was sent to you in mid-July, 1986). If you would like to participate in an interview, please contact us at 226-4022 before September 20, 1986, (ask for Cynthia Rattle or Bob Stevenato). We cannot stress enough the importance of your responses and opinions to our survey.

I hope that we can count on your cooperation.

Sincerely

Armour and Associates
Environmental Planning
Impact Assessment

Audrey Armour MES MCIP
Principal

September 9, 1986

Dear Property Owner:

Since 1981, the Regional Municipality of Peel has been searching for an environmentally acceptable site for a landfill within the City of Brampton. The search has been narrowed down to three siting options shown in the attached copy of Waste Management News, June 1986.

Our firm and the Institute of Environmental Research Inc., have been hired by the Region to carry out a Social Impact Assessment (SIA) of the three landfill siting options. The attached Maps 1A and 1B show our study area boundaries around the siting options. The objectives of our study are: (a) to determine, for each site, how a landfill would affect peoples' way of life and their community, and (b) to identify differences among the sites and, if possible, to rank them.

We would like your assistance in carrying out this study. If you are interested, could you please submit, in writing, any concerns you may have about the effects of the proposed landfill on your property within the study area. Information on the following would be very useful to our study:

- current agricultural, recreational or business use of your property;
- future plans for your property;
- effects that you think the proposed landfill would have on your property and its use(s);
- general concerns regarding the proposed landfill.

In providing this information, please mark the location of your property or properties on the appropriate map (see Maps 1A and 1B) and return with your comments.

We cannot stress enough the importance of your opinions to our study.

All submissions will remain confidential and may be sent to the attention of:

Cynthia Rattle
Institute of Environmental Research
81 Sheppard Avenue West, Suite 201
Willowdale, Ontario M2M 1M4

Submissions should be sent by September 30, 1986.

I hope that we can count on your cooperation.

Sincerely,

Armour

Audrey Armour

Armour and Associates
Environmental Planning
Impact Assessment

Audrey Armour MES MCIP
Principal

193 Annette Street, #1
Toronto, Ont., M6P 1P7
(416) 769-4338

September 10, 1986

Dear Resident:

Since 1981, the Regional Municipality of Peel has been searching for an environmentally acceptable site for a landfill within the City of Brampton. The search has been narrowed down to three siting options shown in the attached copy of Waste Management News, June 1986.

Our firm and the Institute of Environmental Research Inc., have been hired by the Region to carry out a Social Impact Assessment (SIA) of the three landfill siting options. The objectives of our study are: (a) to determine, for each site, how a landfill would affect peoples' way of life and their community, and (b) to identify differences among the sites and, if possible, to rank them.

We would like your assistance in carrying out this study. To gather the necessary information, we have developed a questionnaire to collect data that will assist us to evaluate the potential impacts of increased vehicular traffic going to and from the proposed landfill facility. The attached questionnaire is to be delivered to a sample of randomly selected residents whose property abuts the proposed access routes. If any of the questions seem unclear to you, or you wish to obtain further information about the purpose of the survey, please feel free to call me (229-2457) or Cynthia Rattle (226-4022). As well, the person who drops-off and picks-up the survey would be pleased to discuss it with you.

I hope that we can count on your cooperation.

Sincerely,

Armour

Audrey Armour

Armour and Associates
Environmental Planning
Impact Assessment

Audrey Armour MES MCIP
Principal

September 10, 1986

Dear Resident:

Since 1981, the Regional Municipality of Peel has been searching for an environmentally acceptable site for a landfill within the City of Brampton. The search has been narrowed down to three siting options shown in the attached copy of Waste Management News, June 1986.

Our firm and the Institute of Environmental Research Inc., have been hired by the Region to carry out a Social Impact Assessment (SIA) of the three landfill siting options. The objectives of our study are: (a) to determine, for each site, how a landfill would affect peoples' way of life and their community, and (b) to identify differences among the sites and, if possible, to rank them.

We would like your assistance in carrying out this study. To gather the necessary information, we have developed a questionnaire to collect data that will assist us to evaluate the potential impacts of the proposed landfill facility on water use by residents in non-serviced areas. The attached questionnaire is to be delivered to a sample of randomly selected residents living within the non-serviced areas of our study area. If any of the questions seem unclear to you, or you wish to obtain further information about the purpose of the survey, please feel free to call me (229-2457) or Cynthia Rattle (226-4022). As well, the person who drops-off and picks-up the survey would be pleased to discuss it with you.

I hope that we can count on your cooperation.

Sincerely,

Armour

Audrey Armour

Armour and Associates
Environmental Planning
Impact Assessment

Audrey Armour MES MCIP
Principal

Dear Resident:

Several days ago, a representative from the Institute of Environmental Research (IER) dropped-off an access route questionnaire at your home. The questionnaire focussed on the traffic-related concerns of residents living along the preferred access routes to the proposed Regional Municipality of Peel landfill sites.

A representative from IER was by your home today to pick up your completed questionnaire but no one was home at the time. We are leaving the attached addressed and stamped envelope and hope you will use this to mail your completed questionnaire by September 24, 1986.

Thank you again for the time you have taken to complete the questionnaire.

Sincerely,

Audrey Armour

Armour and Associates
Environmental Planning
Impact Assessment

Audrey Armour MES MCIP
Principal

Dear Resident:

Several days ago, a representative from the Institute of Environmental Research (IER) dropped-off a water use questionnaire at your home. The questionnaire focussed on the water-related concerns of residents in the non-serviced areas of our study area which encompasses the proposed landfill sites of the Region of Peel.

A representative from IER was by your home today to pick up your completed questionnaire but no one was home at the time. We are leaving the attached addressed and stamped envelope and hope you will use this to mail your completed questionnaire by September 24, 1986.

Thank you again for the time you have taken to complete the questionnaire.

Sincerely,

Armour

Audrey Armour

Appendix 12

Public Submissions: List of Concerns

This appendix contains a table of concerns expressed by groups and individuals in submissions and briefs to the Region of Peel relating to the Region's landfill site search. These submissions were made prior to the selection of Areas I, II, and VI as the candidate areas requiring further investigation.

TABLE 1: CONCERNS EXPRESSED BY INDIVIDUALS AND GROUPS IN SUBMISSIONS TO THE REGION OF PEEL

GROUP/INDIVIDUAL	CONCERNS
Individuals who are not part of a group	- dumping of hazardous waste in landfill - water pollution - odours - litter - traffic concerns . safety of residents . safety of school children . safety of school buses - compensation on-site and in vicinity - health and safety of residents - truck routes - aesthetics - larger buffer zone required - monitoring concerns - safety standards - devaluation of property - seagulls . nuisance . health hazard . airplane safety - rehabilitation of landfill site after 40 years - minimize size of landfill - too close to residential subdivision - cultural and recreational facilities impacted - engineering suitability of landfill site - impact on existing and future land uses - impact on agricultural land uses, loss of land - impact on agricultural community/business - lose way of life - cost of landfill - cost of process - does not reflect Official Plan - dislike process for dropping sites - public input not a factor in decision-making - political decision and process a waste of time - questionnaire concerns - intervenor funding needed - criteria for site selection too vague - need more technical information; technology unsuitable - quick decision needed - public participation to continue into Stage 3 - general concern with process

Table 1 (cont'd)

GROUP/INDIVIDUAL	CONCERNS
Citizens Liaison Group - Area 2	- health and safety of residents - truck routes
Citizens Liaison Group - Area 4	- water pollution
Citizens Liaison Group - Area 5	- water pollution - traffic concerns - dangerous intersections - compensation - on-site and vicinity
Citizens Liaison Group - Area 6	- water pollution - traffic concerns - safety for residents - compensation - on-site and vicinity - seagulls - airplane safety - cultural and recreational facilities impacted - impact on existing and future land uses - impact on agricultural land uses, loss of land - impact on agricultural community/business
Mount Pleasant Site 3 Group	- water pollution - traffic concerns . safety of school children . safety of school buses . safety of farm machinery . dangerous intersections - health and safety of residents - aesthetics - devaluation of property - cultural and recreation facilities impacted - locate in industrial area - engineering suitability of landfill site - service area around site - impact on agricultural land uses, loss of land - impact on agricultural community/business - families of many generations upset - stable community disrupted
Jehovah's Witnesses Assembly Hall	- water pollution - too close to residential subdivision - cultural and recreational facilities impacted
Association of Peel People Evaluating Agricultural Land (APPEAL)	- minimize size of landfill - impact on agricultural land uses, loss of land - impact on agricultural community/business

Table 1 (cont'd)

GROUP/INDIVIDUAL	CONCERNS
Peel Federation of Agriculture	- water pollution - litter - traffic concerns - safety of farm machinery - devaluation of property - seagulls - health hazard - impact on agricultural land uses, loss of land - impact on agricultural community/business - cost of landfill
Springbook Action Group	- water pollution - litter - noise - dust - devaluation of property - seagulls - nuisance - too close to residential subdivision
Gore Ratepayers Association	- litter - traffic concerns - safety of residents - compensation on-site and in vicinity - mental stress and anxiety - seagulls - health hazard - cultural and recreational facilities impacted - engineering suitability of landfill site - impact on agricultural community/business - stable community disrupted
Professor's Lake Residents Association (Site 5)	- water pollution - traffic concerns - safety of residents - truck routes - locate in industrial area - cost of process - dislike process for dropping sites - political decision and process a waste of time

Table 1 (cont'd)

GROUP/INDIVIDUAL	CONCERNS
Alloa Ratepayers Association (Site 2)	- water pollution - litter - traffic concerns . safety of residents . safety of school children . safety of farm machinery - health and safety of residents - mental stress and anxiety - devaluation of property - seagulls . nuisance . health hazard - minimize size of landfill - cultural and recreational facilities impacted - locate in industrial area - engineering suitability of landfill site - service area around site - impact on agricultural land uses, loss of land - impact on agricultural community/business - loss of peace and quiet - families of many generations upset - stable community disrupted - need more technical information - quick decision needed - public participation to continue into Stage 3
Ward 7 Citizens Advisory Committee (Area 5)	- noise - dust - health and safety of residents - seagulls - airplane safety - too close to residential subdivision
Streetsville and Meadowvale Residents Association	- intervenor funding needed
Home United Church	- health and safety of residents - negative impact on community growth - impact on agricultural land uses, loss of land - impact on agricultural community/business - families of many generations upset - lose way of life

Table 1 (cont'd)

GROUP/INDIVIDUAL	CONCERNS
Brampton Concerned Citizens (Area 1)	- engineering suitability of landfill site - service area around site - impact on agricultural land uses, loss of land - cost of landfill - cost of process - public input not a factor in decision-making - incomprehensible documents - intervenor funding needed - criteria for site selection too vague - need further testing of sites
Mississauga Citizens Environmental Protection Assoc.	- dumping of hazardous waste in landfill - water pollution - cultural and recreational facilities impacted - engineering suitability of landfill site - impact on existing and future land uses - impact on agricultural land uses, loss of land - impact on agricultural community/business - general concern with process
Caledon Ratepayers Association (Site 7)	- compensation - on-site and in vicinity - larger buffer zone required - dislike process for dropping sites - questionnaire concerns - quick decision needed
Ronto Corporation	- impact on existing and future land uses - does not reflect Official Plan - criteria for site selection too vague