

THE REGIONAL MUNICIPALITY OF HALTON

OFFICE OF THE CHIEF
ADMINISTRATIVE
OFFICER

P.O. BOX 7000
1151 BRONTE ROAD
OAKVILLE, ONTARIO L6J 6E1
416/827-2151

COPY

Mrs. Tuira
Glen Abbey Ratepayers Association
450 Parkridge Crescent
Oakville, Ontario
L6M 1R2

Dear Mrs. Tuira:

Re: Region of Halton - Private Proposal to Build a Model
400 ton per day Energy from Waste Plant Producing
Electricity

The Region has received a proposal to construct a privately owned and operated Energy from Waste (EFW) plant. Garbage is to be supplied to the incinerator by the Region with the resulting energy being used to produce electricity for sale to a private customer or Ontario Hydro. The proposal is to build the EFW plant as a model. Then the Solid Waste Advisory Committee (SWAC) and Regional Council can use it to study EFW and the role it should play in meeting the waste disposal requirements of Halton in the future.

The staff report on the proposal from Petro-Sun Inc. is enclosed. It specifies that the location of the plant should be north of the O.E.W., between Bronte Road and Third Line. More specifically, it suggests that the plant should be built on the west side of the property acquired by the Region for construction of the new Mid-Halton Sewage Treatment Plant. This land, south of Fourteen Mile Creek, is situated in the Parkway Belt. At the present time it is being used, by Halton, as a Waste Disposal Container Station.

Regional Council has requested comments on the existing proposal as well as other possible locations for the same electricity producing plant. Four other sites involving the production and sale of electricity were included in the Energy from Waste Preliminary Feasibility Study. They were the;

Burlington Transformer Station
Milton Transformer Station
Palermo Transformer Station
and Trafalgar Transformer Station

COPY

There are three other Transformer Stations located in Halton. The first, the Bronte Transformer Station, is located in close proximity to the Union Carbide plant on Speers Road. The second, the Oakville Transformer Station is located adjacent to the Ford Assembly Plant. The third, the Cumberland Transformer Station is near Harvester Road in Burlington. It was not evaluated as part of the Energy from Waste Preliminary Feasibility Study.

If electricity is sold by Petro-Sun to Ontario Hydro, it is likely that the Energy from Waste plant would have to be constructed in the vicinity of one of these Transformer Stations. If it is sold to one of the four local Hydro Commissions the location might be more flexible.

The financial feasibility of the Transformer Station alternatives were found to be questionable when they were evaluated as part of the Preliminary Feasibility Study. This is still considered to be the case based on the present Ontario Hydro rate structure. Should this change, the viability of the Transformer Station alternatives might improve.

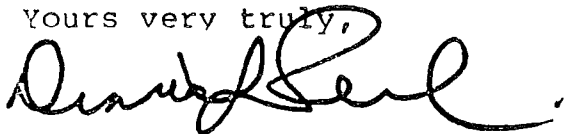
A public meeting to discuss the Petro-Sun proposal is scheduled for Tuesday, December 4, 1984. It will begin at 7:30 p.m. and be held in the gymnasium of Blakelock Secondary School, 1160 Rebecca Street, Oakville. Everyone is invited.

A Waste Disposal newsletter is in the process of being prepared for distribution to the general public. It will help to explain these and other recent waste disposal developments in Halton. It is expected to be available for distribution in mid-November and a copy will be forwarded to you as soon as possible.

If you have any questions or require additional information, please contact Vicky Henderson, the Project Officer at ext. 422. Comments on the Petro-Sun proposal should be submitted to the Region no later than Friday, December 21, 1984.

If your organization has received more than one copy of this request, you are asked to co-ordinate the preparation of a single response amongst yourselves.

Yours very truly,



Dennis Y. Perlin
Chief Administrative Officer

VH/sf

THE REGIONAL MUNICIPALITY OF HALTON

Report to Chairman and Members of the Solid Waste Management Committee

From Dennis Y. Perlin, C.A.O.

Date 1984 10 05

Report No C.A.O. 281/84

Re: Model EFW Plant - Private Proposal - Petro-Sun/
S.N.C. - Mid-Halton Pollution Control Plant
Location, East of Bronte Road Exit, West of Third
Line, North of Q.E.W.

RECOMMENDATION:

1. THAT the proposal from the Petro-Sun International Corporated/S.N.C. Group dated September 15th, 1984 for an Energy from Waste Facility to produce electricity from a purchased portion of the Mid-Halton Pollution Control Plant Site north of the Q.E.W., east of the Bronte Road exit, west of the Third Line, be received and formally circulated to various interested agencies - the area municipality, Oakville Hydro, Ontario Hydro, Ministry of Energy, Ministry of the Environment, Federal F.I.R.E. Program, the West Oakville Ratepayers' Group and the Glen Abbey Ratepayers' Group, and to the Citizens' Solid Waste Advisory Committee (when formed), for review, comments, and report back; and
2. THAT a Public Information meeting be scheduled to be conducted by the Solid Waste Management Committee in the next few weeks to hear representations from those interested in the proposal as to its advisability or non-advisability and to any questions and concerns, and that Petro-Sun be requested to make the

necessary presentations to introduce the proposal to the various agencies and to the Public Information Meeting; and

3. THAT the Solid Waste Management Committee be authorized to organize, if they deem advisable, and subject to further Council approval, a site investigation tour of facilities similar to that proposed by Petro-Sun in order to see the facilities and talk to those living and/or working nearby as to how those facilities have operated and their impact on neighbourhoods; and
4. THAT Prime Minister Brian Mulroney, the Federal Minister of Energy - Mrs. Pat Carney, and the Federal Minister of Finance - Mr. Michael Wilson, be requested to ensure that the Class 34 Accelerated Tax Write-Off Provisions available under The Federal Income Tax Act and Regulations, remain in place for Energy from Waste projects in Canada to encourage the continued reduction of reliance on landfill as a primary waste disposal method, and that a copy of the letters to the Prime Minister, and the Federal Ministers of Finance and Energy be forwarded to the local M.P.P.'s, Bill Kempling, Otto Jelinek, and John McDermid for their endorsement and support.

REPORT:

By previous letter to Council, a joint venture proposal has been received from Petro-Sun Incorporated and the S.N.C. Group (Financial Section) to finance, build, own and operate in conjunction with Consumat of the United States, a modular EFW facility of 400 ton/day to provide electricity. Attached as Schedule "A" to this report is a fact sheet on the Petro-Sun proposal for quick reference by the Committee.

The particular proposal submitted sets out a location east of the Regional Administration Building on the lands presently owned by the Regional Municipality of Halton for the Mid-Halton Pollution Control Plant site. The companies are recommending the sale of a small portion of those lands for the purposes of this facility.

The electricity could be sold to Union Carbide through the Region or through Oakville or Ontario Hydro and/or it could be sold directly to Oakville Hydro or Ontario Hydro through the Bronte Transformer Station which is nearby the Union Carbide Plant.

The particular site and the particular electrical proposal is, in essence, similar to the 400 tonne/day plant investigated by Council in the Preliminary Feasibility Study which Council recently dealt with on September 5th last.

Petro-Sun has also indicated in its verbal presentations that it is prepared to modify the proposal as far as location and actual customer is concerned subject, of course, to the need to then explore what the tipping fee will have to be to the Region in order for it to dispose of its garbage at the facility and subject to, of course, the electrical prices to be received.

On receipt of the proposal, the proposal was circulated informally to Oakville staff, Union Carbide, Oakville Hydro staff, and the executives of the two immediately affected Ratepayer Groups, i.e. the Glen Abbey Ratepayers' Group and the West Oakville Ratepayers' Group (Pollution Committee).

Oakville Staff:

The topic was broached with the Oakville staff simply to introduce the topic to them and they indicated that it would be wise for Regional Council to circulate to the area municipality and when it was circulated, then they would discuss with their Council what would be the best way to handle this particular proposal and advise us accordingly.

Oakville staff also indicated that the use would appear to be a permitted use within the Parkway Belt per se but that there may be a need for a change in the Parkway Belt Regulation and/or Zoning By-law. Further, there may have to be some changes in the Site Plan if the project were to be approved and to proceed in order to be more in keeping with the Parkway Belt area.

If the above recommendation has been passed then reports would be circulated to Oakville Council for Oakville Council itself to take a look at and make comments.

Oakville Hydro:

Oakville Hydro staff indicated that they had just received the proposal and had not had time to analyse it but that they would be prepared to meet with Petro-Sun/S.N.C. to discuss the proposal in more detail and to indicate some of the concerns that they might have including a loss of customer, the need for standby power, revenue loss, equipment expectations, if any, etc.

We would propose that the proposal itself go to Oakville Hydro Commission for formal presentation and study to see what their responses would be and if they would be prepared to be of assistance in this very difficult matter.

Union Carbide:

Union Carbide has expressed an interest in buying the electricity and have indicated that the type of rates being set out in the report and the type of power they would be expected to buy is of interest and that they indeed would be very interested. They continue to indicate their requirements of reliability and effective discounted price to make it worth their while to purchase the electricity and at the same time they did not wish to get in the middle of any major fight between ratepayers and the private proponent and/or the Region over this particular issue.

West Oakville Ratepayers' Group Executive:

The West Oakville Ratepayers' Group Executive were approached as soon as Council were being approached on the basis that we had learned from our experience in the Preliminary Feasibility Study with groups like Joshua Creek Ratepayers that it was wise to contact people on the "ground floor" rather than waiting to develop the proposal to a greater extent and/or to be seen to be moving a great deal down the road on the proposal such that decisions have already been formulated. The West Oakville Ratepayers' Group indicated their appreciation of having been brought in on the "ground floor". They prepared a recommendation, a copy of which is attached as Schedule "B". You will note that they believe that the proposal should be sent off to the Solid Waste Advisory Committee. They also indicated that they did not believe that that particular site was a suitable location at this time.

Glen Abbey Ratepayers' Group:

The Glen Abbey Ratepayers' Group again appreciated being brought in on the "ground floor". They were more excited than the West Oakville Ratepayers' Group because they had not been as fully aware of the Union Carbide proposal and the implications of site location before, thus they found this particular proposal their first exposure, so to speak, to this particular issue. Their letter is attached as Schedule "C". They indicate their opposition to the site itself but do indicate a willingness to see the Solid Waste Advisory Committee study the issue of Energy from Waste and Landfill and their willingness to participate in that discussion.

Both groups indicated that they did not think it would be worthwhile from their point of view of going to the public at this time because the public would be opposed to that location.

In addition, both groups felt that this particular location was too close to either existing residential or proposed residential.

Existing or Proposed Residential:

The existing or proposed residential area that is being discussed is the Glen Abbey Community which is expected to move west of the Third Line to the Fourteen Mile Creek at some future date, perhaps in the late 1980's as we have discussed previously with respect to the sludge facility. Our own calculations indicate, however, that from the location on the Mid-Halton Pollution Control Plant Site where Petro-Sun has proposed to place the facility which is to the far west of that site, the nearest residence would be about 1200 feet or more. Of course at that particular time the facility would be in place and people would be buying knowing what the Mid-Halton Pollution Control Plant site "meant", i.e. a sewage treatment plant facility and possible sludge incinerator as well as an EFW plant, if that were to proceed.

In any case the Ratepayer Groups are concerned, particularly the Glen Abbey Ratepayer Groups, that there will be "fall-out" from the facility and that the facility would cause property depreciation and they believe that the concept would have to be studied further and it should be located in a completely rural area, preferably in a rural industrial area well away from any urban residential location.

Ministry of Energy:

Ministry of Energy representatives have indicated great interest in the proposal and have verbally advised that it would be one that the Region did take a very careful look and that they would be prepared to comment on it if it were formally circulated to the Region. They also would deal with the issue of energy sales and possible energy sales and how they possibly could be negotiated to reflect an energy price which keeps the tipping fee in the type of area that is set out in the proposal.

Ministry of the Environment:

The particular proposal has not yet been circulated to the Ministry of the Environment and that is set out as a recommendation above. The Ministry of the Environment would be asked to comment on the environmental aspects of the

project generally but in particular, an issue which was raised at the meeting regarding the height of the stack of how Petro-Sun can propose a 150 foot stack in that area and how, when the initial reports came out, there were projections of the need for a stack as high as possibly 600 feet.

Hopefully senior members of the Ministry of the Environment Air Emissions Branch could come before the Solid Waste Management Committee if the proposal is to be explored any further to deal with that type of issue.

Citizens' Solid Waste Advisory Committee:

Another report on this agenda is recommending the establishment of the Solid Waste Advisory Committee and a suggestion that that Committee have as one of its sub-committees a Site Evaluation Committee. The two ratepayer executive groups have suggested that this proposal, if it is to be looked at further, should be referred to that Committee, i.e. the S.W.A.C., and that is included in the above recommendation as well.

Financial Implications:

The report has been circulated to Regional staff for comment. The major issue in light of the previous Preliminary Feasibility Study that we have done would be the financial aspects and our opinion at this point. The Treasurer has prepared a memo, a copy of which is attached to this report as Schedule "D", which has been prepared on a very preliminary basis to give some idea to the Committee and Council of the type of financial considerations that this proposal would bring.

The Treasurer has indicated to me that the proposal is a very interesting proposal because it is one where the Region has no financial risk because the project is completely financed on a private basis and is completely owned and operated on a private basis.

On the other hand, the cost of the Energy from Waste Plant becomes an "add-on" to cost of the landfill and source separation components. There would, of course, be an offsetting credit against the cost of the landfill which could be reduced in scope as far as operational needs and costs are concerned. Further, in terms of what the 1986 costs of waste disposal for Halton will be, hopefully a number of the studies which have cost a great deal of money over the last few years will be at an end so that there will be some leeway in the "study cost again" which could make the proposal, even if it was considered to be an "add-on", attractive and an acceptable cost.

Model Plant:

Regional Council have received the proposal in the spirit in which it has been put forward and that is that it could be a model plant for Halton. The size of the plant obviously is one that will not accommodate all of the energy from waste capacity which we could use over the next 20 year planning period but it would be a contribution to it and would be in a rural setting (agreeably adjacent to the residential area, i.e. some 1200 feet away in the ultimate).

However, the proposal should be very closely examined and if people would keep an open mind at least for a while, issues which were expressed by the residents such as property devaluation and emissions perhaps could be closely looked at before any final decisions were made. The "model" concept allows something to be studied in reality and not just in the abstract but again, even before one would put any model plant in place, one would look very carefully at the concept and visit other locations and study same carefully.

Staff Position:

Staff would have hoped that the ratepayer group executives would have agreed to participate in an advisory committee to look at the Petro-Sun proposal per se but we respect and understand the viewpoints put forward by the ratepayer groups who have indicated that they really wish to only examine the EFW concept itself at this time and not any particular locations and/or proposals.

On the other hand, there have been suggestions to us that this proposal is one that Regional Council should carefully look at both in the concept of a model facility and because it might provide excellent opportunity which may be here in the future and then again, which may not be here in the future.

Therefore, before simply referring the proposal to the Solid Waste Advisory Committee and/or refusing it at this time as premature, staff are recommending that further exploration be done with formal agencies that would normally be asked to comment.

Further, we are suggesting that a full public information session be held in due course by the Solid Waste Management Committee.

The final recommendation deals with a tax matter described as follows.

Class 34 Tax Acceleration Write-Off:

The particular proposal that has been made by Petro-Sun is not only dependent on the provision of garbage by the Region, the payment of particular tipping fee by the Region, and also a guaranteed energy contract at a particular electrical price, but also it is dependent upon a tax acceleration write-off policy which we understand is slated to come to an end at the end of 1984 dealing with tax accelerated cost write-offs for projects such as this.

Thus the last recommendation is to try and gather support for energy from waste suppliers like Petro-Sun and others who wish that "Class 34" (which is a reference point under The Income Tax Act and Regulations for these type of tax acceleration write-offs) to try and see if that particular write-off approach could be extended to allow energy from waste projects, wherever they might be in Canada, to be promoted by the private sector.

If Recommendation #4 is passed then a letter would be drafted by the Regional Chairman to the Ministers and copied to the local members of Parliament for their assistance in trying to encourage the retention of that Class 34 Tax Accelerated Write-off provision.

Presentation of Proposal:

Representatives of the Petro-Sun/S.N.C. joint venture group will be in attendance at the meeting on Tuesday to make a presentation of the proposal which they have submitted.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "DYP Berlin/pm". The signature is fluid and cursive, with a large initial "D" and "Y".

Dennis Y. Perlin
Chief Administrative Officer

DYP*pm
attach.

PETROSUN EFW PROPOSAL FACT SHEET

Location:

West on Mid-Halton Pollution Control Plant Site,
Parkway Belt - North of North Service Road, West of Third
Line, East of Bronte Road Exit, North of Q.E.W.

Building:

Prefab metal plus office complex, turbine generator building
including remote reading weigh scale.

Land Area:

5 acres (111 metres x 156.5 metres)

Plant Size:

400 tons per day

EFW Equipment:

4 x 100 ton/day process modules and 3 energy recovery
systems

Electrical Equipment:

Multi-stage turbine, generator, condensor, switchgear

Air Emissions Control System:

6 Baghouse Modules, 4 Venturi Reactors, 4 Multicyclones

Tipping Floor Size:

1200 ton storage (3 day storage)

Stack Height:

150 feet

Residue:

88 tons per day - sterile ash for landfilling

Canadian Content:

60%

Equipment Life:

5 - 25 years

Energy Customer:

Union Carbide - with back-up from Oakville Hydro

Energy Sales:

60,600 MWH

Electricity Rates:

1986: .030/kwh - \$.002 increase each year thereafter to 1995

1995: .050/kwh - \$-.012 decrease in 1996

1996: .038/kwh - \$+.002 increase each year to 2001

2001: .046/kwh

Ownership:

Petro-Sun/S.N.C. - joint venture

Operation:

Petro-Sun/S.N.C. - Consumat - joint venture

Financing:

Petro-Sun/S.N.C. - joint venture

Government Grants:

\$3.8 million (Federal F.I.R.E.)

Tipping Fee:

- 1986: \$18/ton - \$.75/ton increase each year thereafter to 1990

- 1990: \$21/ton - \$1.00/ton increase each year thereafter to 1995

- 1995: \$26/ton - \$5.00/ton decrease in 1996

- 1996: \$21/ton - \$1.00/ton increase each year thereafter to 2001

- 2001: \$25/ton

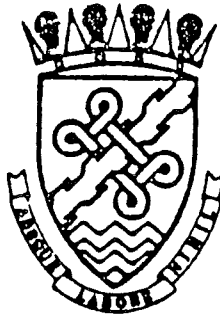
Regional Commitments:

Guaranteed Delivery of Solid Waste - 517 tons/day - 5 days/week OR 431 tons/day - 6 days/week

Payment of Guaranteed Tipping Fee

Free Tipping of Ash at Landfill

THE
REGIONAL
MUNICIPALITY
OF
HALTON



RESOLUTION NO. _____

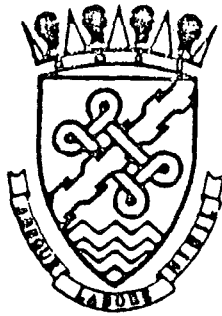
DATE October 17, 1984

Moved by: Peter Arch

Seconded by: Jackie Cutmore

1. THAT the proposal from the PetroSun International Corporated/S.N.C. Group dated September 15th, 1984 for an Energy from Waste Facility to produce electricity from a purchased portion of the Mid-Halton Pollution Control Plant Site north of the Q.E.W., east of the Bronte Road exit, west of the Third Line, be received and formally circulated to various interested agencies - the Area Municipalities, Oakville Hydro, Ontario Hydro, Ministry of Energy, Ministry of the Environment, Federal F.I.R.E. Program, the West Oakville Ratepayers' Group and the Glen Abbey Ratepayers' Group, to the Citizens' Solid Waste Advisory Committee (when formed), and to those who have expressed an interest in the past, for review, comments, and report back; and further that site specific comments, general comments as to the type of proposal and comments as to possible alternative sites be solicited and reported back.
2. THAT a Public Information meeting be scheduled to be conducted by the Solid Waste Management Committee in the next few weeks to hear representations from those interested in the proposal as to its advisability or non-advisability and to any questions and concerns, and that Petro-Sun be requested to make the necessary presentations to introduce the proposal to the various agencies and to the Public Information Meeting; and

THE
REGIONAL
MUNICIPALITY
OF
HALTON



RESOLUTION NO. _____

DATE _____

Moved by: _____

Seconded by: _____

3. THAT the Solid Waste Management Committee be authorized to organize, if they deem advisable, and subject to further Council approval, a site investigation tour of facilities similar to that proposed by Petro-Sun in order to see the facilities and talk to those living and/or working nearby as to how those facilities have operated and their impact on neighbourhoods; and
4. THAT Prime Minister Brian Mulroney, the Federal Minister of Energy - Mrs. Pat Carney, and the Federal Minister of Finance - Mr. Michael Wilson, be requested to ensure that the Class 34 Accelerated Tax Write-Off Provisions available under The Federal Income Tax Act and Regulations, remain in place for Energy from Waste projects in Canada to encourage the continued reduction of reliance on landfill as a primary waste disposal method, and that a copy of the letters to the Prime Minister, and the Federal Ministers of Finance and Energy be forwarded to the local M.P.'s Bill Kempling, Otto Jelinek, and John McDermid for their endorsement and support.

WEST OAKVILLE RATEPAYERS ASSOCIATION

POLLUTION COMMITTEE -----MINUTES OF MEETING-----

Place:- Hopedale Mall Community Room

Time:- September 29, 1984. 10:00-11:30 am.

ATTENDEES:-

C. Jordan, L. Henwood, A. Stewart, A. Henwood, H. Cauldwell,
P. Arch, J. Henry, J. Cutmore, R. Schmiedel, R. Robinson.
VISITORS:- M. Tuira and S. Howland, Glen Abbey Residents
Assn.

SUBJECT:- ENERGY FROM WASTE - REGION OF HALTON LETTER,
SEPTEMBER 21, 84.

Meeting chaired by Alan Stewart.

1. A number of questions relating to the PETRO-SUN Proposal were discussed including the following:-

a) Is the Project feasible economically? Particularly as the Region (Vicki Gibson) has advised that PETRO-SUN will not be permitted to sell electrical energy direct to UNION CARBIDE but rather through Oakville Hydro and/or Ontario Hydro.

b) Glen Abbey will, by the latter part of 1985, be developed west of Third Line, thus the Proposed site will be close to the Glen Abbey neighbourhood.

c) Why will a 400TPD Plant with a 150 foot stack produce less environmental contaminants than a 600TPD Plant with a 600 foot stack? What does the PETRO-SUN Plant have that the earlier ones hadn't?

2. a) It was Proposed by Alan Stewart, seconded by Leon Hawes that:-

.....WORA will support the formation of a "SOLID WASTE CITIZENS ADVISORY COMMITTEE", as suggested in the Regions letter.

.....Motion carried.

. b) The terms of reference of a "SOLID WASTE CITIZENS ADVISORY COMMITTEE" were discussed and in a motion Proposed by C. Jordan, seconded by L. Hawes the following were Presented:-

- Educate committee members what an EFW Plant is, how it works, review the different types available and general orientation of the approval Procedures.
- Committee should visit EFW Plants and surrounding areas.
- Committee should review all Proposals Pertaining to solid waste concurrently with the already established 'SOLID WASTE MANAGEMENT COMMITTEE' Presently chaired by Councillor Mulvale.
- Committee should comprise 2 Persons from each of Halton's ratePayers associations.
- Meetings should be held at different locations within the Region, so as not to localize Participation.
- Committee should host Public information meetings from time to time to disseminate Progress and General information to the Public at large.
- Committee should be called immediately so that it can be operative by January 7, 1985.
- This committee considers all aspects of ~~SOLID WASTE~~ including Energy From Waste Plants, Particularly site, finance, environmental and social impacts.

.....Motion Carried.

3. It was Proposed by C. Jordan, seconded by A. Henwood that the PETRO-SUN Proposal be reviewed by the newly formed "SOLID WASTE CITIZENS ADVISORY COMMITTEE". Until such time, this Proposal shall be recieved and filed.

.....Motion Carried.

4. Proposed by H. Cauldwell, seconded by R. Schmiedel that the formation of a "LOCAL SITE ADVISORY COMMITTEE" is redundant in light of the Previous motion. [see 2 above].
(nb. This is in response to the Region's letter Page 2 last Paragraph.)

5. Due to business committments Alan Stewart asked to be relieved of the Position as chairman of the WORA Pollution Committee.

. Moved by A. Stewart, seconded by J. Cutmore that L. Hawes become chairman with H. Cauldwell as vice-chairman of this committee.

.....Motion Carried.

Schedule "c"

GLEN ABBEY (OAKVILLE) RESIDENTS' ASSOCIATION

2 October 1984

Mr. Dennis Y. Perlin
Chief Administrative Officer
The Regional Municipality of Halton
1151 Bronte Road
Oakville, Ontario L6J 6E1

Re: Solid Waste Citizen's Advisory Committee
on reexamination of the Energy from Waste
concept in relation to landfilling.

Dear Mr. Perlin:

The following resolution represents the position of the
Glen Abbey (Oakville) Residents' Association on this
matter:

Resolved that:

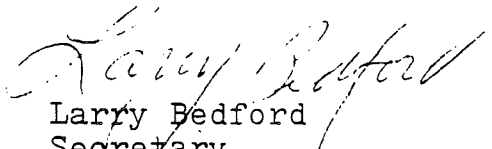
1. This Association supports the proposal for the establishment of a Solid Waste Citizen's Advisory Committee consisting of two (2) representatives from each Ratepayers' Group for the purpose of reviewing the concept of an Energy from Waste Plant.
2. The terms of reference under which our representatives shall be appointed are:
 - A. That this Association is opposed to the location of an EFW Plant at the proposed site - North of North Service Road, Q.E.W. East of Bronte Road Exit, West of Third Line - and does not want these appointments to be in any way construed as our concurrence to any specific or general proposal for the establishment of an EFW site;
 - B. The Glen Abbey (Oakville) Residence Association feels that this committee should be encouraged

Mr. Dennis Y. Perlin

Page 2

to examine all aspects of the EFW plant concept that it considers important to the formulation of an informed opinion on the desirability of such a plant being placed in the Region. Furthermore, the Committee should be allowed to invite experts in the appropriate fields to sit in on meetings and advise the Committee members.

Yours truly,



Larry Bedford
Secretary

Glen Abbey (Oakville) Residents' Association

LB/sh

OCT 04 1984

THE REGIONAL MUNICIPALITY OF HALTON

INTER OFFICE MEMORANDUM

CHIEF ADMINISTRATOR
REGIONAL MUNICIPALITY
OF HALTON

TO: D. V. Perlin, C.A.O.

DATE: 84 10 04

FROM: J. L. Rinaldo,
Regional TreasurerRE: Petro-Sun Proposal for EFW Facility - Union
Carbide

As you requested, I have made a preliminary review of the Petro-Sun proposal on the design, construction, financing and operation of an Energy from Waste facility to supply electricity Union Carbide.

Capital Costs

Based on the projections provided in the submission the Capital Cost of this facility has been estimated at 19.7 million in 1984 dollars. In comparison the plant evaluated in our Energy from Waste Preliminary Feasibility Study by the supply of electricity at Union Carbide had an estimated cost of \$40.1 million in 1984 dollars.

The prime reason in the cost differential appears to be the different technology (modular vs integral). Based on this analysis, the Capital cost for the proposed plant appears to be lower than the Ford 363 plant (steam only) which was estimated at \$22.7 million..

Based on Capital cost alone, the economics viability of such a plant would certainly appear to warrant further investigation. For your information, the Capital financing is based on a FIRE grant of \$3.8 million with no capital contribution from the Provincial government.

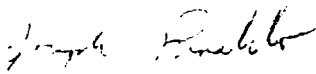
Fiscal Impact

Under the proposal, Halton would be required to supply 112,500 metric tonnes (124,000 Imperial tons) to the EFW facility and pay a tipping fee of \$19.84 per metric tonne (\$18 per Imperial ton) in 1986 dollars.

Based on our preliminary analysis, it is anticipated that the cost per tonne of the total solid waste management system to be approximately \$24 to \$26 per tonne in 1986 and \$28 to \$30 per tonne in 1987. The full annualized impact of the new landfill component is not realized until 1987.

Conclusion

Providing that Halton's commitment is restricted to pay a tipping fee of \$19.84 per metric tonne (\$18 per imperial ton), this option certainly warrants further investigation. As far as economic viability, this proposal would have ranked fourth immediately following the three EFW plants at the Ford location in our financial analysis of the Preliminary Feasibility Study of an Energy From Waste Facility.


J. L. Rinaldo

JLR:mab