



YOUR FILE

OUR FILE 0262100-PR-1839

February 14, 1979

DOUBLE REGISTERED

Capital Regional District
524 Yates Street
P.O. Drawer 1000
Victoria, British Columbia
V8W 2S6

PR-1839

Attention: Mr. Dennis Young, Administrator

Gentlemen:

Pollution Control Permit No. PR-1839
- Issued in the Joint Names of The
Capital Regional District and Mr. N. Twa

We have received a letter of February 7th, from Mr. N. Howard as attached copy, together with the subject permit which is now returned to you. Following a meeting with Mr. Howard today we take it this matter has arisen through misunderstanding. You will recall the discussion with the undersigned at which it was agreed that your name should be included as Joint Permit Holder. To confirm this matter we sent you a copy of our letter of November 18th to Mr. Twa setting down beforehand what we proposed to do. The permit stands as issued as no appeal was launched within the appeal period.

Yours very truly

J.E. Dew-Jones, P. Eng.
Chief, Municipal Division
Pollution Control Branch

cc: Mr. N. Howard
Capital Regional District

cc: Regional Manager - Coast

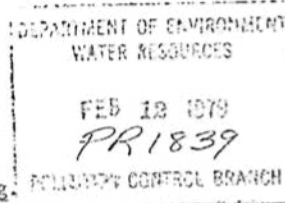
CAPITAL REGIONAL DISTRICT

524 Yates Street / P.O. Drawer 1000 / Victoria, British Columbia / V8W 2S6
Telephone 388-4421

DOUBLE REGISTERED

7th February 1979

Ministry of the Environment
Pollution Control Branch
1106 Cook Street
Victoria, British Columbia
V8V 1X4



Attention: Mr. H.P. Klassen, P. Eng.

Gentlemen:

Re: Pollution Control Permit No. PR-1839 - Issued in
the Joint Names of the C.R.D. and Mr. N. Twa

Reference is made to your "Letter of Transmittal" which accompanied a copy of P.C.B. Permit No. PR-1839, issued in the joint names of the C.R.D. and Mr. N. Twa.

To the best of my knowledge the Regional District has not submitted an Application to you for a Permit, either jointly with Mr. Twa, or on its own account. Also, I am not aware that Mr. Twa has forwarded to you such an Application.

The Regional District is presently investigating the feasibility of providing financial assistance to Mr. Twa to assist him in operating the Saltspring Island landfill site in conformity with P.C.B. Guidelines. Mr. Twa has indicated that he will have to close down the site if he does not receive financial aid.

The Engineering Department's draft operating budget for solid waste includes an item of expenditure earmarked for the Saltspring landfill operation. However, this budget has not been reviewed by Committee or approved by the Regional Board. Pending Board and Ministerial approval of the budget, discussions with Mr. Twa have also been held in abeyance.

In view of the foregoing I have no alternative but to return your Permit No. PR-1839 for the Saltspring Island landfill operation. It is hoped that an Application can be made to your Department for a Permit for this facility later in the year, but this will, of course, depend on budgetary approvals and negotiations with Mr. Twa.

Yours very truly,

N. Howard
N. Howard, P. Eng.
Chief Engineer

Encls.

c.c.: Mr. N. Twa

MUNICIPALITIES & ELECTORAL AREAS
Central Saanich
Colwood
Esquimalt
Langford
Metchem
North Saanich
Oak Bay
Outer Gulf Islands
Saanich
Saltspring Island
Sidney
Sooke
Victoria
View Royal

DISPATCHED	DATE	BY

January 17, 1979

Capital Regional District
524 Yates Street
P.O. Drawer 1000
Victoria, British Columbia
V8W 2S6

Attention: Mr. N. Howard, P. Eng.

Gentlemen:

Re: Pollution Control Permit PR-1839
Capital Regional District and Norman Twa

Thank you for your letter of January 12th in connection with the above captioned Permit regarding the refuse disposal operation on Saltspring Island.

Subsequent to my inquiry of last August your District has agreed to be co-permittee with Mr. Norman Twa in respect of solid waste disposal in that area. Mr. Twa was advised of this development by registered mail in mid December and of our intention to issue a Permit in your joint names for a Level C operation under the Municipal Objectives with an endorsement to conduct periodic regulated burning of non-putrescible debris. A copy of the letter was forwarded to your District.

I am now pleased to advise you that a Permit was issued on January 16th in this sense and has been forwarded to you under separate cover. I trust that this resolution of the matter will be satisfactory to all concerned.

Yours very truly

P. N. Bardal

P.N. Bardal, P. Eng.
Head, Coastal Section
Municipal Division

PNB:da

P.4

OCT 31 1989 10:53 WASTE MGMT&PUB/AFRRS

JAN 16 1979

YOUR FILE

OUR FILE 0262100-PR-1839

DOUBLE REGISTERED

Capital Regional District
P. O. Drawer 1000
524 Yates Street
Victoria, British Columbia
V8W 2S6

and

Mr. N. Twa
P. O. Box 255
Ganges, British Columbia
V8S 1E0

Gentlemen:

LETTER OF TRANSMITTAL

Enclosed is a copy of Pollution Control Permit No. PR-1839 in the names of the Capital Regional District and Mr. N. Twa. Your attention is respectfully directed to the terms and conditions outlined in the Permit.

In conjunction with this Permit you are directed to comply with the operating instructions for the disposal facility as outlined in the attached Appendix to Letter of Transmittal. In particular section B allows regulated burning and you are advised that burning other than in accordance with these instructions is prohibited.

You will note that values have been expressed in the International System of Units (SI). These units are to be used in submitting monitoring results and any other information in connection with this Permit.

The administration of this Permit will be carried out by staff from our Regional Office located at 1106 Cook Street, Victoria, British Columbia, V8V 1X4 (telephone 387-5321). Plans, data and reports pertinent to the Permit are to be submitted to the Director through the Regional Manager at this address.


This Permit does not authorize entry upon, crossing over, or use for any purpose, of private or Crown lands or works, unless and except as authorized by the owner of such lands or works. The responsibility for obtaining such authority shall rest with the Permittee.

..... /2

This Letter of Transmittal is an Order under the Pollution Control Act.

For your reference, enclosed is a copy of the Pollution Control Act, as amended, and the Regulations thereto. Also enclosed are copies of the Metric Practice Guide and Section 3 of the "Pollution Control Objectives for Municipal Type Waste Discharges in British Columbia" relative to solid waste landfills.

Yours very truly,

A handwritten signature in dark ink, appearing to read 'H. P. Klassen', with a long horizontal flourish extending to the right.

H. P. Klassen, P. Eng.
Assistant Director
Pollution Control Branch

Encl.

Date: JAN 16 1979

File: 0262100-PR-1839

Page 1 of 2

APPENDIX TO LETTER OF TRANSMITTAL

FOR

POLLUTION CONTROL PERMIT PR-1839

A. OPERATIONAL REQUIREMENTS FOR LANDFILL

1. Covering

Maintain the works authorized in Appendix 01 as a Level "C" landfill operation in accordance with the "Pollution Control Objectives for Municipal Type Waste Discharges in British Columbia", dated September, 1975, or as otherwise ordered by the Director from time to time.

B. OPERATIONAL REQUIREMENTS FOR REGULATED BURNING

1. Area

The operation shall be restricted to a portion of the site described as Lot 3, Section 14, Range 1V E North Saltspring Island, located approximately as shown on Appendix A of the Permit. This area shall be fenced to restrict access to the burn area stockpile.

2. Quantity and Frequency

The average quantity of wastes to be treated is 76 cubic meters at each burn at a frequency not to exceed 6 times per year. Each burn will comprise one continuous period necessary to reduce the stockpiled wastes to ashes.

3. Nature of Wastes

Generally no waste shall be burned which is unacceptable for this purpose to our Regional Manager. Acceptable materials may include selected demolition refuse, stumps, trees and similar items, but excluding nuisance causing combustibles such as rubber, plastics, tars, insulation, etc. Materials shall be charged to the burning facility in a manner to promote best combustion and restrict the up-lift of lighter constituents. No putrescible refuse or objects containing 50% or more noncombustibles shall be burned.

..... /2

Date: JAN 16 1979

File: 0262100-PR-1839

Page 2 of 2

4. Timing

Burning shall take place only when an attendant is on duty and when conditions promote rapid combustion with a wind direction that conveys the resulting gases away from residences. No burning shall take place during periods of extreme fire hazard nor when burning is prohibited by other government agencies.

5. Fire Control

Suitable devices approved by the Director shall be available for extinguishing fires to prevent them from spreading to surrounding areas. Such devices include a pressurized water supply, chemical type fire extinguishers, or an earth stockpile. Firebreaks shall be maintained and cleared of combustible materials at least twice per year. If an earth stockpile is contemplated for fire control, earth moving equipment shall be available at the site during burning.

6. Combusted Residue

The residue from combustion shall be incorporated promptly into the adjacent landfill.

7. General

Notify our Regional Manager prior to each intended burning. All aspects of the operation shall be to the Regional Manager's satisfaction.





MINISTRY OF THE ENVIRONMENT
POLLUTION CONTROL BRANCH

PERMIT

Under the Provisions of the Pollution Control Act, 1970


Capital Regional District
P. O. Drawer 1000
524 Yates Street
Victoria, British Columbia
V8W 2S6

Mr. N. Twa
P. O. Box 255
Ganges, British Columbia
V8S 1E0

is hereby authorized to discharge refuse
from municipal sources
located on Saltspring Island
to the ground approximately 5.6 km south of Ganges

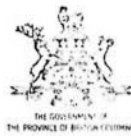
This permit has been issued under the terms and conditions prescribed in the attached appendices

01 and A


Assistant Director of Pollution Control

Date issued JAN 16 1979, 19
Amendments dated , 19
 , 19
 , 19

Permit No. PR-1839



DEPARTMENT OF ENVIRONMENT
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH

APPENDIX No. 01
to Pollution Control Permit No. PR-1839

- (a) The discharge of refuse applicable to this appendix is to land known and described as Lot 3, Section 14, Range 1V East, North Saltspring Island located as shown on the attached Appendix A
- (b) The quantity of refuse which may be discharged is a maximum of 11.5 cubic meters per day.
- (c) The type of refuse which may be discharged is from domestic and commercial sources.
(Municipal, industrial, etc.)
- (d) The nature or characteristics of the refuse which may be discharged are typical municipal refuse (excluding toxic wastes).
- (e) The works authorized are a landfill and controlled burning operation as directed approximately located as shown on the attached Appendix A
- (f) The land from which the refuse originates and to which this appendix is appurtenant is Saltspring Island.
- (g) Those works authorized and proposed must be completed and in operation on and from the date of Permit issue.

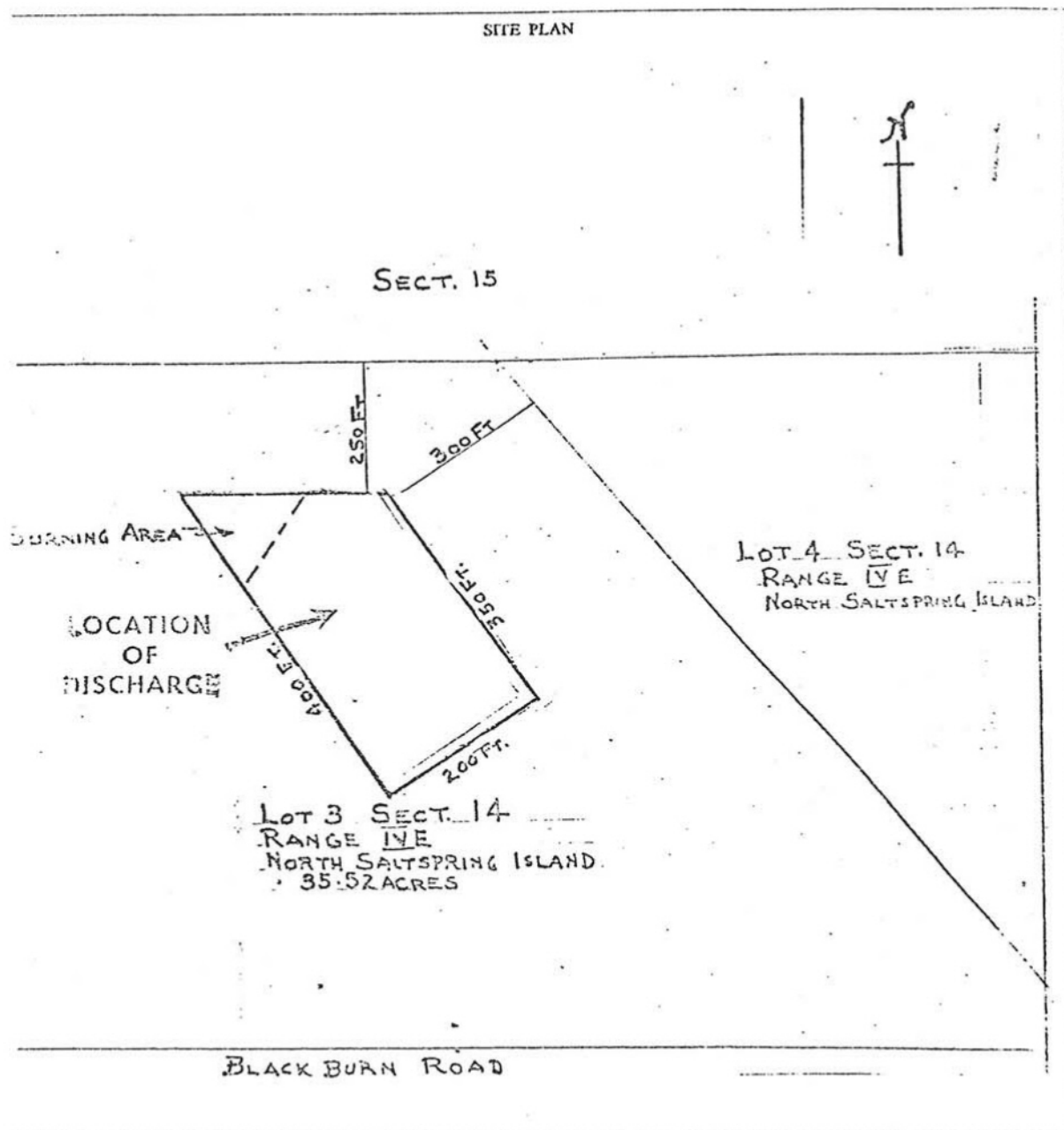
Date JAN 16 1979, 19
Amended, 19

Assistant Director of Pollution Control



POLLUTION CONTROL BRANCH

SITE PLAN



CAPITAL REGIONAL DISTRICT

N. TWA

(Name of applicant(s))

(Date)

(Signature of applicant(s) or agent)

(FOR OFFICE USE ONLY)

AN 16 1979

(Date issued) Assistant (Director of Pollution Control)

Appendix A

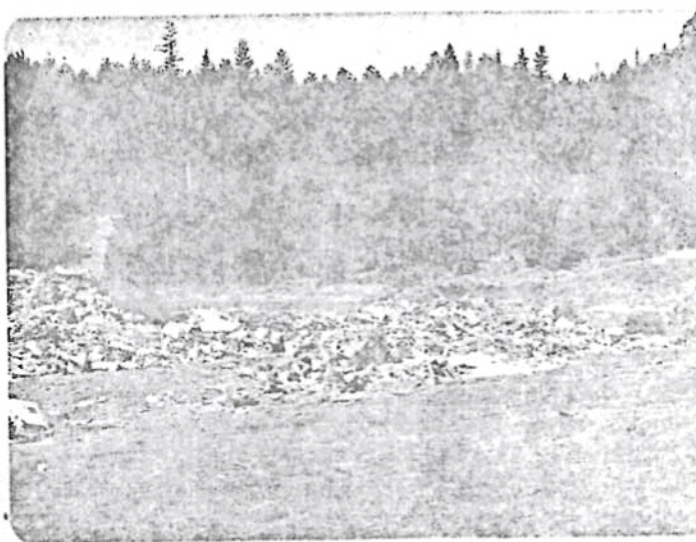
to Permit No. PR1539



AR-1839 TWA DUMP
(KHA, COAST REGIO

TWA DUMP, July 21, 1978

TWA DUMP, July 21, 1978 →



Twa Dump
Sept 25 / 1978

RM
MAJOR

File: 0262100-AR-1839
Date: December 14, 1978
From: Municipal Division
Coastal Section (PNB-JWA)

78M-131

RESUME FOR PERMIT APPLICATION

Application Pursuant to Pollution Control Act on behalf
of W. Twa, for Refuse Disposal Site on Saltspring Island,
Dated September 20, 1972

1. APPLICATION

An application was received from Walton Twa dated September 20, 1972 to burn and cover approximately 15 cubic yards per day of municipal refuse on Saltspring Island. The application was in respect of an existing registered operation under File 17-3-7.

2. AMENDMENTS

No amendment applications have been received from the original applicant. However, during the lengthy delays in dealing with the application Mr. Walton Twa retired and the operation was taken over by another family member, Mr. Norman Twa.

On November 5, 1977 a communication was received from E. Twa on behalf of Norman Twa requesting a Permit for the subject site and advising that "...the garbage dump has been brought up to your specifications..." The Branch subsequently forwarded application forms as it was envisaged that individual processing in respect of a new proposal would take place. The forms were never returned.

It is now proposed to complete processing of the original application with a change-in-name to Mr. Norman Twa and the Capital Regional District as co-Permittees. Mr. Dennis Young of the Capital Regional District indicated to Division Chief Dew-Jones by telephone on December 1st that CRD would be agreeable to this proposal.

3. HISTORY

- (1) The original applicant advised that he could not afford to meet Branch Level "B" requirements and a ban on burning and he would be forced to cease operations at a date specified by P.C.B. if such conditions were to be imposed. A resume was presented on April 23, 1973 recommending issue of a Level "B" Permit with an expiry date of December 31, 1974. The Director decided to table the application to July, 1974.
- (2) An addendum to the original resume was prepared on September 9, 1974 noting that the Capital Regional District had commissioned and received a study report on the solid waste needs of the whole area. It was recommended and agreed to by the Director to defer action on the Twa application until CRD had time to consider plans for servicing the Gulf Islands including Saltspring.
- (3) Subsequent to exchanges of correspondence spanning some three years, the CRD advised by letter of August 2, 1977 that they had abandoned plans to provide independent solid waste servicing of Saltspring Island and had instead directed the Engineering Department to assist Mr. Norman Twa in developing a satisfactory operation on the existing site.

CRD had not responded to suggestions of a joint Permit but indicated that \$15,000 had been allocated to clean up the site and suggested by letter of September 12, 1977 that burning of stumps and other debris be allowed to take place to conserve space.

..... /2

- (4) On the strength of indications that a new application was in the offing, a resume was prepared recommending that the Walton Twa application be dealt with by refusal to grant a Permit and documents were prepared.
- (5) An adjudication was held for virtually all of 1978 pending receipt of a promised application from Mr. Norman Twa. This was not forthcoming despite repeated letters to the CRD on this subject. On December 1, Dennis Young of CRD agreed to a joint Permit.

4. ADMINISTRATIVE ASPECTS

The original application was posted and circulated but was not published. The application was for a combination of burning and covering.

5. POLICY OR OBJECTIVES

The original application does not meet current policy in regard to open burning but covering frequency offered was every two weeks which is intermediate between Level "C" and "D" of the Objectives.

The Capital Regional District suggested periodic controlled burning of selected debris which would be in accord with Objectives Section 3.4(i) and there is no reason why a Permit authorizing periodic controlled burning should not be issued.

6. AGENCY COMMENTS

The Agencies have not been contacted since 1972. The Agency principally concerned was Health who were somewhat concerned with the unsatisfactory operation and lack of vector control but also painfully aware of the probable result of a closure order. There is nothing to suggest that the Health Ministry would object to a properly operated land fill and in fact have been somewhat chagrined as has been the Branch in dealing positively with complaints in the absence of the usual control mechanism afforded by a Permit.

Environment Canada did not receive a copy of the application in accord with then prevailing Branch practice of confining referrals to aqueous discharges west and south of the continental divide affecting the Pacific fisheries. There is no apparent reason in this instance to solicit their opinion.

7. OBJECTORS

There were no objectors to the original application and in fact, a number of groups including the Saltspring Chapter of SPEC (sic) took a supportive position of the applicant until a better alternative (if any) could be found.

8. REGIONAL OFFICE REPORT

In view of the maturity of the application, an up-to-date report was requested. The following excerpts are from the R.M.'s report of December 6, 1978:

(a) Location

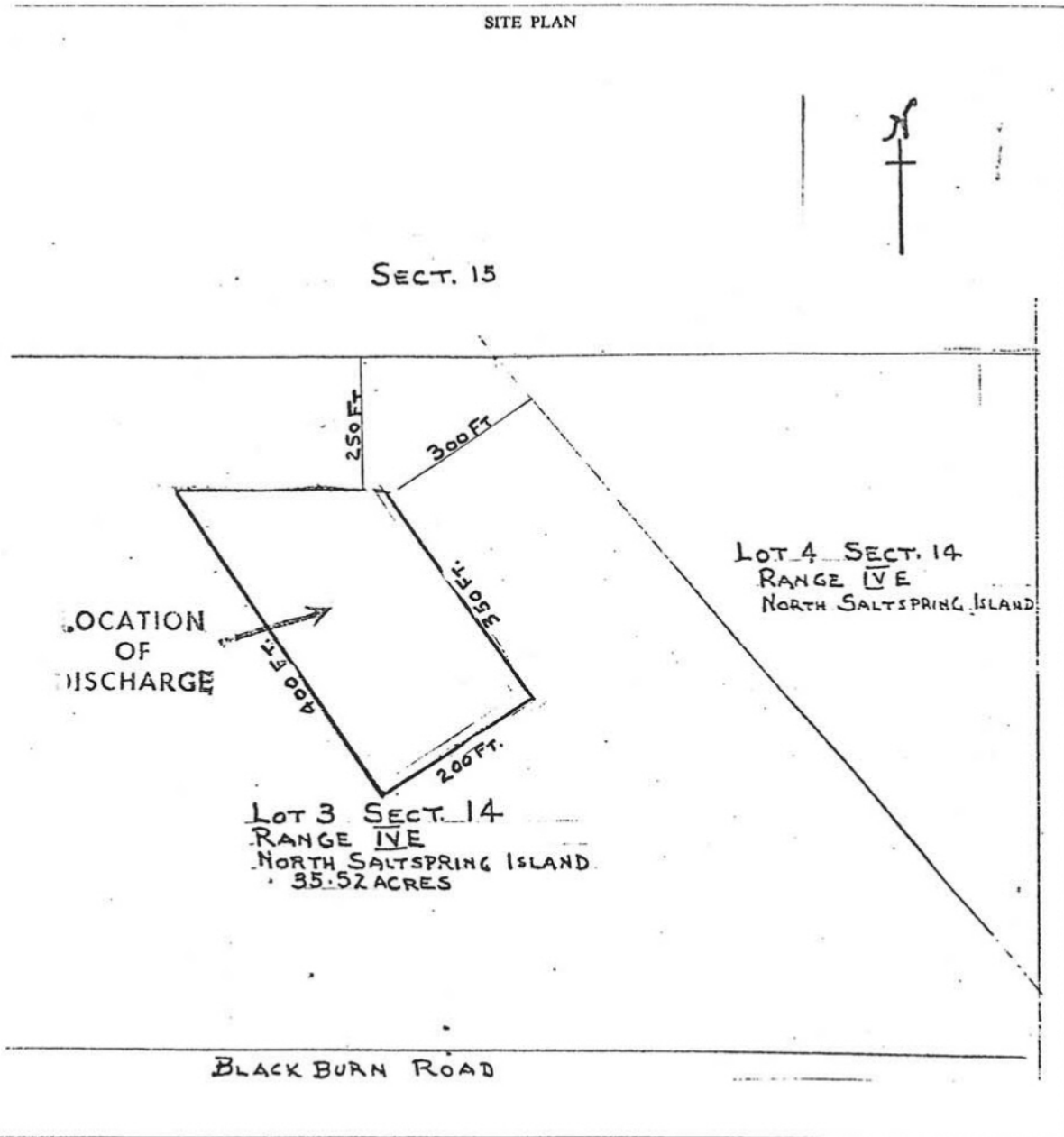
Area land use is a mixture of rural-residential properties and farming. A proposed subdivision of the nearest farm into a golf course and 26 townhouses is the subject of AE-5307. The townhouses are located about 1500 ft. southwest of the refuse site and between 100 and 200 ft. higher in elevation.

The soil at the refuse site is in the Rough Mountainous Series and consists of a layer of soil ranging up to 10 ft. in depth over highly fractured shale. Blackburn Creek is located about 700 ft. from the site. It flows only during the wetter months and goes through Blackburn Lake, and Cusheon Lake to Ganges Harbour.



POLLUTION CONTROL BRANCH

SITE PLAN



CAPITAL REGIONAL DISTRICT
E. N. TWA

(Name of applicant(s))

(Date)

(Signature of applicant(s) or agent)

(FOR OFFICE USE ONLY)

(Date issued)

(Director of Pollution Control)

Appendix A to Permit No. PR 1039

Excavation of shale for sale at the site has produced a hole about 10 ft. below grade on the south side of the site and smaller holes in the rest of the site. During the winter these holes fill with water. Analysis of the water has not shown abnormal levels of any parameters.

(b) Discussion

Saltspring Island has a population which varies in number during the year. It is therefore recommended that a Permit be issued for Level "C" operation for the period May 1 to September 30 and a Level "D" operation for the remainder of the year. Burning of garbage would be permitted during the period of Level "D" operation. Burning of stumps and demolition waste would also be permitted during the period of Level "D" operation.

(c) Recommendations

Coast Region approves the issuance of a Permit for this operation at Level "C" in summer and Level "D" with burning in the winter.

9. DISCUSSION OF TECHNICAL MATTERS

The site does not constitute a threat to any surface or groundwater supplies and the chief drawbacks as reported previously is that cover material is not present in an over-abundant supply. The chief complaints associated with this site have been the ever-present smouldering fires and a lack of any regular covering which have created nuisance conditions.

Volume reductions associated with bulky combustibles by periodic regulated burning is a recognized and approved departure from the previous blanket ban on burning. Burning of garbage is not an option and indeed Pollution Control Board Chairman Dr. C.J.G. Mackenzie reaffirmed the Board's position in a letter to the Regional District of Central Kootenay on November 10, 1978 wherein he stated:

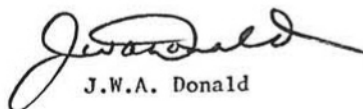
"The burning of refuse in open fire or on open dump faces is not considered acceptable for a number of reasons"

The quantities of refuse to be destroyed by controlled burning has not been discussed with the applicant but burning four or six times per year of 100 cubic yards of material under the usual restrictions would probably be a reasonable estimate of requirements.

Although the R/M has quoted two levels of covering; i.e. "C" and "D" depending on season, it is considered preferable to quote one level only with discretionary seasonal variance on the part of the R/M.

10. RECOMMENDATIONS

It is recommended that pursuant to Section 5(3)(b) of the Pollution Control Act that the Director amend the application in favor of Norman Twa and the Capital Regional District for a Level "C" operation and regulated burning six times per year of 100 cubic yards of material. Drainage and other works to be as ordered by the R/M.


J.W.A. Donald

JWAD:pjj

APPROVED		
PROCESS	INITIAL	DATE
ENGINEER	P.N.B.	16.12.78
SEC. HEAD	J.W.A.	16.12.78
IN CHARGE		



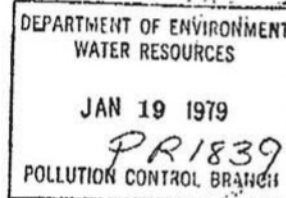
capital regional district

524 Yates Street / P.O. Drawer 1000 / Victoria, British Columbia / V8W 2S6
Telephone 388-4421

MUNICIPALITIES & ELECTORAL AREAS
Central Saanich
Colwood
Esquimalt
Langford
Metchosin
North Saanich
Oak Bay
Outer Gulf Islands
Saanich
Salt Spring Island
Sidney
Sooke
Victoria
View Royal

12th January 1979

Ministry of the Environment
Pollution Control Branch
1106 Cook Street
Victoria, British Columbia
V8V 1X4



Attention: Mr. P.N. Bardal, P. Eng.
Head, Coastal Section
Municipal Division

Gentlemen:

Re: Capital Regional District Refuse Site
Salt Spring Island - W. Twa

Reference is made to your letter of 31st August 1978 to the Executive Director and our subsequent conversation on the subject of the Salt Spring Island dump which is currently being managed by Mr. Norman Twa.

The Regional Engineering Department staff have met with Mr. N. Twa in an endeavour to persuade him to enter into a joint application with the Regional District for a permit to operate the refuse disposal operation. Mr. Twa has indicated that he is not prepared to commit himself in this manner on the grounds that he is not able to afford the additional operating expenses which he feels will inevitably arise.

The question of providing Mr. Twa with financial assistance will be discussed by the Regional Public Works and Parks Committee at forthcoming budget review meetings, which are scheduled to take place in February. In this respect, concern has been initiated by the Minister of Finance's recent statement that operating budgets must not increase by more than five percent over last year's figures.

I will be in touch with you again as soon as our Committee has considered this matter again.

Yours very truly,

N. Howard

N. Howard, P. Eng.
Chief Engineer

cc: Mr. J.E. Dew-Jones, P. Eng.
Chief, Municipal Division

P.D

DISTRIBUTION	DATE	INITIALS
PND	24.1.79	UK
JED-T		1
File		

Oct 31 '89 10:53 WASTE MGMT&PUB/AFFRS

*Answered by PNB
17.1.79 from a copy
of this letter recd. by
PJ on that date.
JP.*

RE: *HR-1839 (CAPITAL REG. DIST. # NORMAN TWA)*DATE: *Jan 4/79*

TYPE OF MONITORING PROGRAMME:-

- ☐ Effluent
☐ Receiving Water
☒ Refuse
☐ Surface Water
☐ Ground Water

PARAMETERS TO BE MEASURED

General Ions, Etc.		Metals
Alkalinity: Phenolphthalein (CaCO ₃)	Nitrogen: Total (N)	Cadmium: Unfiltered (Cd)
Alkalinity: Total (CaCO ₃)	Oil & Grease	Cadmium: Dissolved (Cd)
Arsenic Unfiltered (As)	Oxygen: Biochemical Demand (5 day)	Chromium: Unfiltered (Cr)
Arsenic Dissolved (As)	Oxygen: Chemical Demand	Chromium: Dissolved (Cr)
Barometric Pressure	Oxygen Dissolved mg/l	Copper: Unfiltered (Cu)
Boron Dissolved (B)	pH (units)	Copper: Dissolved (Cu)
Calcium: Unfiltered (Ca)	Phenol	Iron: Unfiltered (Fe)
Calcium: Dissolved (Ca)	Phosphorus Dissolved	Iron: Dissolved (Fe)
Carbon: Total Organic (C)	Ortho Phosphate (P)	Lead: Unfiltered (Pb)
Carbon: Total Inorganic (C)	Phosphorus: Total (P)	Lead: Dissolved (Pb)
Chloride: Dissolved (Cl)	Potassium: Dissolved (K)	Manganese: Unfiltered (Mn)
Chlorine: Residual mg/l	Residue Total (105° C)	Manganese: Dissolved (Mn) (ug/l)
Color True (Units)	Residue: Total Fixed (550° C)	Mercury: Unfiltered (Hg) (ug/l)
Cyanide: Total (Cn)	Residue: Filterable (105° C)	Mercury: Dissolved (Hg)
Extinction Depth	Residue: Nonfilterable (105° C)	Molybdenum: Unfiltered (Mo)
Faecal Coliform	Residue: Fixed nonfilterable (550° C)	Molybdenum: Dissolved (Mo)
Floatables (Visible)	Residue: Volatile Nonfilterable	Nickel: Unfiltered (Ni)
Flouride: Dissolved (F)	Silica: Reactive (SiO ₂)	Nickel: Dissolved (Ni)
Flow	Sodium: Dissolved (Na)	None
Hardness: Total (CaCO ₃)	Specific Conductance (umhos/cm)	Zinc: Unfiltered (Zn)
Magnesium: Unfiltered (Mg)	Sulphate: Dissolved (SO ₄)	Zinc: Dissolved (Zn)
Magnesium: Dissolved (Mg)	Sulphide: Total (S)	Other
None	Tannin & Lignin Like Compounds	
Nitrogen: Ammonia (N)	Temperature	
Nitrogen: Dissolved	Turbidity (units)	
Nitrate + Nitrite (N)	Other	
Nitrogen: Dissolved Nitrate(N)		
Nitrogen: Dissolved Nitrite(N)		
Nitrogen: Organic (N)		
Nitrogen: Total Kjeldahl (N)		

Sampling (or Inspection) Location	Sampling (or Inspection) Frequency
Last point at which the effluent is accessible	
Station #1	
2	
3	
4	
5	
6	
General Permit Area - regular site inspection to ensure that the facilities are being operated in accordance with P.C.B. Policy	<input type="checkbox"/> once/year <input checked="" type="checkbox"/> 2X/year <input checked="" type="checkbox"/> 3X/year <input type="checkbox"/> 4X/year <input type="checkbox"/> 6X/year <input type="checkbox"/> 12X/year <input type="checkbox"/> Other
Other	

Note:

Thompson Inc. Jan 9

PERMIT INSPECTION



SAME. 3 INSPECTION



Permit No: PK 1839
 Name: Mr. T.A.
 Location: Slabban Rd. Slattery
 Contacted:
 Works: proposed. Plan B. Slattery. Slattery

Inspected by: Mr. C. M.
 Date: Dec. 20/88
 Weather: Rainy

Items: Flow

General	Effluent	Air	Refuse
Housekeeping <u>floor</u>	Colour <u> </u>	Ring. <u> </u>	Cover <u>Slabban</u>
Flow Measur. <u> </u>	Turbid. <u> </u>	Temp. <u> </u>	Odour <u> </u>
Sampling Fac. <u> </u>	pH <u> </u>	Colour <u> </u>	Leach. <u> </u>
Records <u> </u>	Resid. Cl ₂ <u> </u>	Particulate <u> </u>	L. Colour <u> </u>
Monitoring <u> </u>	Floatables <u> </u>	<u> </u>	L. Odour <u> </u>
<u> </u>	Odour <u> </u>	<u> </u>	<u> </u>
<u> </u>	D.O. <u> </u>	<u> </u>	<u> </u>

Comments: Still no work being applied
- Garbage spread out and being dumped at the west end of
place this not very tidy
- No attempt to compact garbage
- No burning in progress at time of inspection

Plans submitted:
 Monitoring submitted:

Instructions left with Permittee:

Status of Permit: Application

Action recommended:

Signed

Thomas Murphy



Province of
British Columbia

Ministry of
The Environment

1106 Cook Street
Victoria
British Columbia
V8V 1X4
Phone: 387-5321

POLLUTION CONTROL BRANCH



YOUR FILE

OUR FILE 0262100-AR-1839

DOUBLE REGISTERED

December 18, 1978

Mr. Norman Twa
Box 255
Ganges, British Columbia
V8T 1E0

Dear Mr. Twa:

Re: Application to Discharge Refuse under the
Pollution Control Act

As you are aware, this Branch received an application to discharge refuse from Mr. W. Twa in 1972, but the permit has not been issued because of an unwillingness to conform to our minimum operating requirements.

Mr. Dennis Young, Executive Director of the Capital Regional District, now supports the issuance of a permit in the joint names of yourself, as the present operator, and the Capital Regional District. The conditions require compaction and covering of refuse weekly and would allow burning of 100 cubic yards of tree stumps and other like debris six times per year. Under this arrangement, the responsibility for complying with permit conditions would also fall on the Capital Regional District.

A permit in this sense will be recommended subject to any information you may submit within the next 2 weeks.

Yours very truly,

J. E. Dew-Jones, P. Eng.
Chief, Municipal Division

JEDJ:pjj

cc: Regional Manager - Coast
Mr. Dennis Young, Executive Director
Capital Regional District

Chief - Municipal Division

December 6, 1978

FILE: 0262100-AR-1839

FROM: COAST REGION (KHA)

SUBJECT: APPLICATION PURSUANT TO THE POLLUTION CONTROL ACT,
AS AMENDED, ON BEHALF OF THE CAPITAL REGIONAL DISTRICT
and NORMAN TWA, dated September 20, 1972

APPLICATION

The application is for a Permit to discharge up to 15 cubic yards of Municipal refuse per day to the ground. Discharge takes place during most of the daylight hours as access to the site is open. Operation is said to be 5 days per week, however it probably is a 7-day per week operation as there appears to be no easy way of stopping access. The refuse is described as 75% burnable (putrescible) and 25% inert.

LOCATION

The site is located on Blackburn Road, Saltspring Island, 0.6 miles from its intersection with the Pulford-Ganges Road. The site is legally described as Lot 3, Section 14, Range 4E, North Saltspring Island.

Area land use is a mixture of rural-residential properties and farming. A proposed subdivision of the nearest farm into a golf course and 26 townhouses is the subject of AE-5307. The townhouses are located about 1500 ft. southwest of the refuse site and between 100 and 200 ft. higher in elevation.

The soil at the refuse site is in the Rough Mountainous Series and consists of a layer of soil ranging up to 10 ft in depth over highly fractured shale. Blackburn Creek is located about 700 ft from the site. It flows only during the wetter months and goes through Blackburn Lake, and Cusheon Lake to Ganges Harbour.

Excavation of shale for sale at the site has produced a hole about 10 ft below grade on the south side of the site and smaller holes in the rest of the site. During the winter these holes fill with water. Analysis of the water has not shown abnormal levels of any parameters.

DISCUSSION

Saltspring Island has a population which varies in number during the year. It is therefore recommended that a Permit be issued for level "C" operation for the period May 1 to September 30 and a level "D" operation for the remainder of the year. Burning of garbage would be permitted during the period of level "D" operation. Burning of stumps and demolition waste would also be permitted during the period of level "D" operation.

...2

Burning of refuse will produce smoke but provided that the operation exercises care it should be possible to burn with a minimum of air pollution.

Further drainage diversion may become necessary at a future date and provision should be made in the LOT for this to be provided at the request of the Regional Manager.

PHOTOGRAPHS

Some recent photographs are attached; further photographs may be seen in the Coast Region file.

RECOMMENDATIONS

Coast Region approves the issuance of a Permit for this operation at level "C" in summer and level "D" with burning in the winter.



K.H. Austin

KHA:vh
attach.

File: 0262100-AR-1839
Date: December 1, 1978
From: Chief, Municipal Division

MEMO TO FILE

Re: Walton Twa Refuse Permit

D.J. spoke to Mr. Young, C.R.D. Administrator about their correspondence concerning the C.R.D. becoming the joint permit holder for the subject application. Mr. Young explained that they had indeed pursued this matter with Mr. Norman Twa on a number of occasions, but had not succeeded in reaching a basis of agreement with him.

In response to D.J.'s enquiry, Mr. Young stated it would be acceptable to the C.R.D. for the permit to be issued in joint names. He also accepted D.J.'s proposal that the permit would be accompanied by a letter quoting C.R.D.'s prior agreement as per our conversation. He made the point that it would not resolve the permit problem.



J. E. Dew-Jones

JEDJ:pjj

*Noted
Dec 1
Jwan*

P.7

OCT 31 '89 10:54 WASTE MGMT&PUB/AFRRS



File: 0262100-PE-1877
PR-1284
AE-1839

Date: October 6, 1978

From: Municipal Division (PNB)

MEMO TO FILE

Venables, Dew-Jones and Bardal met with Director Perkins, Administrator Young and engineers Howard and Williams of Capital Regional District, to discuss problems of mutual concern.

PE-1284

C.R.D. wanted to discuss the implications of a recent exchange of correspondence concerning the hydrogeology of the Hartland Road site. The position of the Environmental Protection Service was reviewed in that the site is underlain by rock faults and there was nothing to suggest that the underground springs known to be present in winter would not assume the role of recharge areas in summer. It was therefore incumbent on C.R.D. to investigate this possibility if long term exploitation of the site was to continue. P.C.B. would undertake sample analysis for wells selected and sampled by C.R.D. It would appear that C.R.D. were intending to pursue a volume reduction process and would look for P.C.B. support in obtaining senior government financing assistance, and were advised that this would be forthcoming if the proposal was considered to be viable by P.C.B.

PE-1877

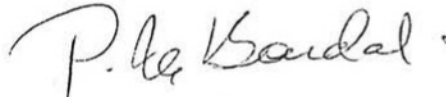
With respect to Clover Point it would now appear that the ocean floor currents are much in excess of engineering estimates. A point 2000 feet offshore was examined and currents were measured at 148 cm/sec. It would therefore seem that pure negative buoyancy considerations may not be sufficient to guarantee the integrity of the outfall, and burial might be required. The benthos seems devoid of life and extension of the outfall to 6000 feet at a 240 depth would prevent use of skin divers. The question was asked by C.R.D. as to the source of the 6000 plus foot figure for the outfall length on PE-1877 and if a shorter length would do.

P.C.B. replied that the figure was offered by C.R.D. for various reasons which were discussed (see attached notes on this issue compiled since the meeting). It was suggested that if C.R.D. wished they could select a shorter length for trial and based on their observed performance, an application to amend PE-1877 at some future time could be made. C.R.D. was reminded again that the plan was to consolidate all flows to Areacaulay Point and discharges at other locations were temporary.

.../2

AR-1839

The Public Works Committee of C.R.D. will decide on October 6 whether or not to make a joint application for the subject disposal site on Saltspring Island.

A handwritten signature in dark ink, appearing to read "P. N. Bardal". The signature is written in a cursive style with a large initial "P" and a long horizontal stroke extending to the right.

P. N. Bardal

PNB:pjj

7
15

CLOVER POINT - Notes Re 6400' length

1. G.V.S.S. Report 1966 proposed length of approximately 2200 feet.
2. First record of 6400 ft. length at Clover Point we have is in:-
Supplementary report (letter dated May 29, 1972 from James F. MacLaren Ltd. to C.R.D. re question of interim outfall at Clover Point - Follow up to "Victoria & Oak Bay South Coast Sewerage Study" May 1972 by MacLaren, K.P.K. and A.E.S.L. (see attached).
3. Second letter from MacLaren to C.R.D. June 21, 1972 recommends pursuing possibility of 6400 ft. interim outfall - Final length to be determined during detailed design.
4. Letter C.R.D. to Hon. R.G. Williston July 10, 1972 - Proposes "outfall extending some 6400 feet seaward".
5. Letter C.R.D. to P.N.B. August 18, 1972 proposes as in 5 above.
6. Letter C.R.D. October 11, 1972 accompanying application states:-
The detailed oceanographic and other information required to adequately determine the length of the Clover Point outfall in order to meet shoreline standards is not available although investigations to date indicate that conditions, for disposal off Clover Point, are most favourable. Based on the Macaulay program and other smaller - but significant - studies in this area, there may be reason to believe that various conventional methods for determining outfall lengths are very conservative. While it is our intention to install an outfall which will meet the necessary standards, we shall, during the design stage, examine local precedents in order to determine the most economical solution which will permit future flexibility.
7. Application states "up to 6400 ft. offshore", also "commutation, skimming and dilution to achieve P.C.B. standard of shoreline of a median MPN of 1000 coliforms per 100 ml during May to September.
8. Letter to C.R.D. by W.N.V. questions wording "up to 6400 ft."
9. Preamble to application as published stated exact length to be determined by oceanographic studies.
10. Meeting August 21, 1974 A.E.S.L. C.R.D. P.C.B. Minutes
#4 - Outfall to be at least 6000' plus 500' diffuser
11. September 30, 1974 received A.E.S.L. "Clover Point Outfall Oceanographic Study, Conceptual outfall Design".
Recommends 6000 ft. + 500 ft. difuser - based on current conditions at 6000 + ft.

.... /2

12. Outfall drawings acknowledged February 16, 1977. Literature notes design based on report above (11) which considered shoreline coliform count.

The outfall design is based on the report "Clover Point Outfall Oceanographic Study and Conceptual Design" prepared by Associated Engineering Services Ltd. for the Capital Regional District in December 1973, and the subsequent "Overflow Supplement" dated September 1974.

These reports indicate that, should the plume reach the surface, dilution at peak design flow will be significantly greater than 200:1. The reports also state that on a probability basis, shoreline coliform concentrations will be little, if at all, affected by discharges from the outfall.

NOTE - PERMIT L.O.T.

C PLANS

Submit plans, specifications, and calculations to the Director for approval under the Pollution Control Act, 1967, not less than three months prior to the proposed date on which tenders will be called. These plans, as approved, will be considered in determining the authority to discharge pursuant to Section (g) of the Permit Appendix 01.

Although it is recognized that only a maximum outfall length was specified (6,400 feet), it appears clear that the application implies a length of this order and it must be appreciated that detailed drawings will only be approved on this basis.

VICTORIA & OAK BAY SOUTH COAST SEWERAGE STUDY MAY 1972

MCLAREN
K.P.K. & ASS
AESL.

TABLE 8
CONSTRUCTION SCHEDULE
SYSTEM 2

Item	Capital Expenditures \$ (1) in Year Shown			Total
	1973	1974	1975	
(North-East and Clover Point Trunk Flows to Trial Island)				
1. Trunk Sewers and force mains including channel crossings	1,093,000	1,093,000	1,093,000	3,279,000
2. Pumping Stations		532,000	531,000	1,063,000
3. Ocean Outfall		1,250,000	1,250,000	2,500,000
4. Engineering and Contingencies @ 20%	219,000	575,000	575,000	1,369,000
TOTAL	1,312,000	3,450,000	3,449,000	8,211,000

(1) Note: All costs stated at 1973 prices (ENR 1800) and are exclusive of site acquisition costs for future primary treatment plant.

12. Summary

On the basis of the investigations carried out under this study it has been concluded as follows:

1. Waste disposal and water quality requirements can be satisfied by ocean outfalls having the following features:

	Requirements to 1980		Requirements to 2015	
	Length of Outfall Feet	Depth of Discharge Feet	Length of Outfall Feet	Depth of Discharge Feet
(a) Disposal of North-East and Clover Point flows at Macaulay Point				
(i) Comminuted raw sewage	5,000	200	10,000	200
(ii) Disinfected primary treatment effluent	—	—	2,500	170
(b) Disposal of North-East and Clover Point flows at Trial Island				
(i) Comminuted raw sewage	6,400	300	7,500	330
(ii) Disinfected primary treatment effluent	—	—	2,500	140

EARLIEST REFERENCE TO ANY
OUTFALL OF 6400 FT =

Permit No: AK-1839
 Name: Mr. G. W.
 Location: Blackburn Rd. Salt Spring
 Contacted: -
 Works: proposed phase 2 sanitary landfill

Inspected by: J.H.
 Date: Sept 14/88
 Weather: Cloudy

Items: Flow	Effluent	Air	Refuse
General	Colour	Ring	Cover
Housekeeping	Turbid.	Temp.	Odour
Flow Measur.	pH	Colour	Leach.
Sampling Fac.	Resid. Cl ₂	Particulate	L. Colour
Records	Floatables		L. Odour
Monitoring	Odour		
	D.O.		

Comments: Refuse pile was approximately 15 ft. high in
center of dump no cover has been applied
- Excavation of soil from both north & south
end of dump will bring removal off dump site
- Some motor vehicle bodies among refuse
- Some wood waste also present.

Plans submitted: -
 Monitoring submitted: -

Instructions left with Permittee: None

Status of Permit: Application

Action recommended: J.H.

I think we had better discontinue
permit under & see what we can
do.
J.H.?

Signed

Kevin King

PERMIT INSPECTION



SAMPLING INSPECTION



A. Permit No: AR 1839
 Name: MR TWA
 Location: BLACKBURN ROAD
SALTSPRING ISLAND
 Contacted: NO-ONE
 Works: PROPOSED CLASS B SANITARY LANDFILL

Inspected by: KHA
 Date: 21/7/78
 Weather: BUNNY

B. Items: Flow NONE

General	Effluent	Air	Refuse
Housekeeping <u>POOR</u>	Colour	Ring	Cover <u>NONE</u>
Flow Measur. <u>-</u>	Turbid.	Temp.	Odour <u>YES</u>
Sampling Fac. <u>-</u>	pH	Colour	Leach. <u>NONE</u>
Records <u>-</u>	Resid. Cl ₂	Particulate	L. Colour <u>-</u>
Monitoring <u>-</u>	Floatables		L. Odour <u>-</u>
	Odour		
	D.O.		

C. Comments: REFUSE IS PILED IN AN UNCONSOLIDATED MASS OVER AN AREA OF ABOUT 30X70 FEET, TO A HEIGHT OF 6-8 FT. NO ATTEMPT HAS BEEN MADE TO COVER THE DEPOSITED REFUSE

Plans submitted: -

Monitoring submitted: -

D. Instructions left with Permittee: NONE

E. Status of Permit: APPLICATION

F. Action recommended: 1. CONTINUE TO INSPECT AND IGNORE THE CONTRAVENTION OF P.C. ACT, OR 2. CHARGE TWA UNDER P.C. ACT AND RISK CLOSURE OF SITE, OR 3. ENCOURAGE CRD TO EXPROPRIATE SITE OR FIND AN ALTERNATE

Signed



☒☐

Inspected by: Mr.
Date: July 12, 1938
Weather: Cloudy

<u>General</u>	<u>Effluent</u>	<u>Air</u>	<u>Refuse</u>
Housekeeping _____	Colour _____	Ring. _____	Cover <u>available</u>
Flow Measur. _____	Turbid. _____	Temp. _____	Odour <u>Nil</u>
Sampling Fac. _____	pH _____	Colour _____	Leach. <u>Nil</u>
Records _____	Resid. Cl ₂ _____	Particulate _____	L. Colour _____
Monitoring _____	Floatables _____	_____	L. Odour _____
_____	Odour _____	_____	_____
_____	D.O. _____	_____	_____

Plans submitted: _____
Monitoring submitted: _____

E. Status of Permit: Application

Not of anything happens as a result of I being from
Cuba at 11:27/4 to 11:45 of
Cuba's Regime has.
JW

Miss Mary



YOUR FILE

OUR FILE 0262100-AR-1839

June 27, 1978

Capital Regional District
524 Yates Street
P.O. Drawer 1000
Victoria, British Columbia
V8W 2S6

Attention: Mr. D. Young
Executive Director



Gentlemen:

Re: Capital Regional District Refuse Site -
Saltspring Island - W. Twa

You will recall that during your visit to our offices on April 6th, 1978 we discussed the position in regard to an application by W. Twa, dated September 20th, 1972. The very long delay was occasioned initially by our awaiting action to provide better facilities, and more recently we have awaited a promised revised application from Mr. W. Twa's son, Mr. N. Twa. In view of the inaction, you agreed at the meeting to consider submission of a joint application in the name of Mr. N. Twa and the Capital Regional District.

Prior to our meeting, this matter had been the subject of extensive discussion and correspondence between Pollution Control Branch and Capital Regional District staffs, and we are writing to ask for your assistance in expediting resolution of this problem.

Yours very truly,

J.E. Dew-Jones, P.Eng.
Chief, Municipal Division

JEDJ:ce

c.c. Mr. N. Howard, P.Eng.
Chief Engineer, Capital Regional District
Regional Manager - Coast

PERMIT INSPECTION



SAMPL. INSPECTION



Permit No: AR-1839
 Name: Mr. Walter Giv
 Location: Large Building
 Contacted: _____
 Works: Lockfill

Inspected by: John H. H.
 Date: Apr 26/88
 Weather: Cloudy

1. Items: Flow

General	Effluent	Air	Refuse
Housekeeping	Colour	Ring.	Cover <u>Gravel pit area</u>
Flow Measur.	Turbid.	Temp.	Odour <u>no</u>
Sampling Fac.	pH	Colour	Leach. <u>no</u>
Records	Resid. Cl ₂	Particulate	L. Colour
Monitoring	Floatables		L. Odour
	Odour		
	D.O.		

Comments: - refuse has been pushed into pit area but
no cover applied.
- Great refuse at south end area.

Plans submitted: _____

Monitoring submitted: _____

Instructions left with Permittee: Mr.

Status of Permit: Application

Action recommended: _____

Signed

John H. H.

PERMIT INSPECTION

SAMPLING INSPECTION

A. Permit No: AR-1839
 Name: Mr. Walter T. W.
 Location: James Salt Spring
 Contacted:
 Works: Landfill

Inspected by: M. K. H.
 Date: April 24/18
 Weather: Sunny

B. Items: Flow

General	Effluent	Air	Refuse
Housekeeping	Colour	Ring.	Cover <u>available not applied</u>
Flow Measur.	Turbid.	Temp.	Odour <u>yes</u>
Sampling Fac.	pH	Colour	Leach. <u>no</u>
Records	Resid. Cl ₂	Particulate	L. Colour
Monitoring	Floatables		L. Odour
	Odour		
	D.O.		

C. Comments:

- debris has not been removed for long period
- debris was burning and had evidently been burning
for some time
- good debris being dumped extensive above ground

Plans submitted:

Monitoring submitted:

D. Instructions left with Permittee: me

E. Status of Permit: Active Application

F. Action recommended:

Can't seem to get any action out of Council
Region - As per the status of permit application
As per the status of permit application

Signed

Theresa Chen

PERMIT INSPECTION



SAMPLING INSPECTION



Permit No: RR-1839
 Name: Mr. Walter T. R.
 Location: Ganges Substation
 Contacted: -
 Works: Landfill

Inspected by: KAR + TM
 Date: April 4/88
 Weather: Overcast

Items: Flow			
General	Effluent	Air	Refuse
Housekeeping	Colour	Ring.	Cover <u>none applied</u>
Flow Measur.	Turbid.	Temp.	Odour <u>yes</u>
Sampling Fac.	pH	Colour	Leach. <u>no</u>
Records	Resid. Cl ₂	Particulate	L. Colour
Monitoring	Floatables		L. Odour
	Odour		
	D.O.		

Comments: - Refuse has not been covered in past four months
- Refuse not being compacted
- Road being constructed through dump
- Pond on dump closed up
- Pond below dump suggesting retention of water - maybe applying
leachate by pump system

Plans submitted: _____
 Monitoring submitted: _____

Instructions left with Permittee: None

Status of Permit: Under Application

Action recommended: _____

Signed

[Signature]

J.W.A.Donald

Coast Region (KHA)

April 3

78

TWA application - AR-1839

0262100-AR-1839

Please find attached two photographs of the Twa landfill site. Samples were taken from the water in the fill and from the pond, and they were analyzed. Copies of the analyses are attached. For comparison surface water from a nearby shale pit was analyzed. Would you please return the photographs after you have seen them.



K.H. Austin

KHA:vl
attach.



Water in Fill



Pond below dump

87 100 / 1.10

PERMIT INSPECTION ☐

SAMPLING INSPECTION ☒

A. Permit No: AR-1839
 Name: MR WALTON TWA
 Location: GANGES SALTSPRING
 Contacted: _____
 Works: LANDFILL

Inspected by: KHA + TM
 Date: JUL 22/78
 Weather: SKINNY

B. Items: Flow _____

General	Effluent	Air	Refuse
Housekeeping _____	Colour _____	Ring. _____	Cover <u>SPORADIC</u>
Flow Measur. _____	Turbid. _____	Temp. _____	Odour <u>BURNING</u>
Sampling Fac. _____	pH _____	Colour _____	Leach. _____
Records _____	Resid. Cl ₂ _____	Particulate _____	L. Colour _____
Monitoring _____	Floatables _____	_____	L. Odour _____
_____	Odour _____	_____	_____
_____	D.O. _____	_____	_____

C. Comments: - REFUSE BEING PILED COVER NOT BEING APPLIED FREQUENTLY
- REFUSE BEING BURNED
- WATER ADJACENT TO DISCHARGE AREA SAMPLED
- POND BELOW DUMP SUPPORTING LARGE ALGAE GROWTH, LEVEL DECREASING
POND SAMPLED

Plans submitted: _____

Monitoring submitted: _____

D. Instructions left with Permittee: NONE

E. Status of Permit: Under Application

F. Action recommended: _____

Signed

Therick



capital regional district

524 Yates Street / P.O. Drawer 1000 / Victoria, British Columbia / V8W 2S6
Telephone 388-4421

Handwritten signatures and notes at the top of the page.

MUNICIPALITIES & ELECTORAL AREAS
Central Saanich
Colwood
Esquimalt
Langford
Metchosin
North Saanich
Oak Bay
Outer Gulf Islands
Saanich
Saltspring Island
Sidney
Sooke
Victoria
View Royal

17th January 1978

Ministry of Environment
Pollution Control Branch
Parliament Buildings
Victoria, British Columbia
V8V 4S5

Attention: Mr. J.W.A. Thomas, P. Eng.
District Manager - Coast District



Gentlemen:

Re: Saltspring Landfill Operation

Enclosed herewith is a copy of a letter of instruction which the Capital Regional District Engineering Department has just sent to Mr. N. Twa, the operator of the above operation.

The letter is self explanatory. You should be hearing from Mr. Twa shortly.

Yours very truly,

Handwritten signature of N. Howard

N. Howard, P. Eng.
Chief Engineer

Encl.

17th January 1973

Mr. Norman Tve
Box 255
Cribble Road

Mr. Tve:

Waste Management Landfill Application Forms

Attached are 3 application forms and a site plan requiring your signature,
and the following instructions:

- (1) Send the green section and one plan to the Pollution Control
Agency.
- (2) Give the yellow section to your local authority.
- (3) Return the blue section to me.
- (4) Post one copy of the instructions and the attached instruction
sheet.

If you wish to discuss any of the data supplied by us, please call.

Yours very truly,

A. Howard

K. Robertson
Engineering Assistant

Encs.

Refill

PERMIT INSPECTION

S. LING INSPECTION

A. Permit No: UR 1839
 Name: T.W.A. LONDEILL
 Location: SALTSPRING ISLAND
 Contacted: _____
 Works: LONDEILL

Inspected by: K.H.A. Thi
 Date: Dec 14/77
 Weather: Light Rain

B. Items: Flow

General	Effluent	Air	Refuse
Housekeeping <u>Reasonable</u>	Colour _____	Ring. _____	Cover <u>ON HAND</u>
Flow Measur. _____	Turbid. _____	Temp. _____	Odour <u>YES</u>
Sampling Fac. _____	pH _____	Colour _____	Leach. <u>NO</u>
Records _____	Resid.Cl ₂ _____	Particulate _____	L.Colour _____
Monitoring _____	Floatables _____	_____	L.Odour _____
_____	Odour _____	_____	_____
_____	D.O. _____	_____	_____

C. Comments: NOISE PRESENT ADJACENT TO DISCHARGE AREA
POND BELOW THE DUMP AREA FILLING UP WITH WATER
COLOUR OF WATER GREEN

Plans submitted: _____
 Monitoring submitted: _____

D. Instructions left with Permittee: None

E. Status of Permit: NOT YET GRANTED

F. Action recommended: None at this time, Application in Process

Signed





YOUR FILE _____

OUR FILE **0262100-AR-1839**

November 15, 1977

Mr. Norman Twa
Box 255
Ganges, British Columbia
V8S 1E0



Dear Mr. Twa:

Saltspring Island Garbage Service.

This will acknowledge receipt of your letter of November 5, 1977 re a Permit to dispose of garbage.

Forwarded herewith is a copy of the Pollution Control Regulations and we would draw your attention to sections 2.01, 2.02 and 2.03 which outline the procedure necessary to submit an application for a Pollution Control Permit.

In a letter September 12th Mr. Howard indicated you would be requesting permission to carry out a limited amount of burning. If this is still correct the amount and frequency should be stated on the application. In this respect, we are also forwarding a copy of the "Municipal Objectives" and you should note the reference to such burning under section 3.4 (i) page 13.

As well as the items noted above the accompanying package contains application forms and site plan sheets which you should complete and return at your earliest convenience.

Yours very truly,

J.W.A. Donald
J.W.A. Donald, P. Eng.,
Coastal Section,
Municipal Division.

JWAD:db

c.c.: R.M. - Coast ✓
c.c.: Capital Regional District

encl.

DEPARTMENT OF ENVIRONMENT
WATER RESOURCES
AR 1839
NOV 8 1977
~~GENERAL~~
POLLUTION CONTROL BRANCH

H. Austin
255
Range B6
LOS 120
Nov 8, 1977

Pollution Control Branch
1106 Cool St.
Victoria B6



Dear Sir:

Re- Salt Spring Island Garbage.
Would you please send me a permit
to dispose of garbage on Lot 3 & Section 14
Range 4 East, North Salt Spring Island as the
garbage dumps has been brought up to
your specifications.

Yours truly
Norman Iva (per E. Iva)
Salt Spring Garbage Service

DISTRIBUTION	DATE	INITIALS
JWADJ	Nov 9	

FILE: 0262100-AR-1839
DATE: OCTOBER 24, 1977
FROM: COAST REGION (KHA)

MEMO TO FILE

SUBJECT: OPERATION OF AR-1512 TWA DUMP

The site was inspected with JHAB on October 20, 1977. The old burial grounds have been levelled, excavated and covered with soil. Drainage diversions ditches have been, or are being constructed on the north and west sides.

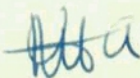
The Capital Regional District has agreed to subsidize the operation provided that:

- 1) The scattered garbage was collected and covered weekly
- 2) Drainage diversion ditches were constructed
- 3) Burning of garbage was stopped
- 4) A PCB Permit was obtained.

Items 1 and 2 have been essentially completed and Mr. Twa objects to the requirement that garbage be not burned at the site. He indicated that he would close the dump if he was not permitted to burn garbage. JHAB informed Mr. Twa that a PCB Permit could not be issued if burning of garbage took place. It appears that Mr. Twa will comply with the requirements.

The source of the seepage leachate from the dump was found. There is a spring on the northwest side of the property at an elevation of 10-15 feet above the garbage which flows through a drainage diversion ditch to the east of the dump, under Blackburn Road and finally to Blackburn Lake. The water is dark brown in colour causing observers to think it came from the dump.

If Mr. Twa can be persuaded to operate the dump without burning and with proper covering, the site will be adequate for some years.



E.B. Austin

KHA:vh

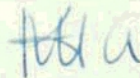
October 11, 1977

Mr. G. Yea
Box 309
Gaspok, S.C.
205 110

Dear Mr. Yea:

Please find enclosed copies of the Pollution Control Act and the
Objectives for Municipal-type Discharges. I am trying to set up
meetings for Mr. J. Donald of Processing Division for the week of
October 17th to 21st on Wednesday. I will contact you regarding
which date is convenient for you by telephone.

Yours truly



E.H. Manning, A.E.T.C.
Technician
COAST REGION

KHA:vh
encl.



CAPITAL REGIONAL DISTRICT

524 Yates Street / P.O. Drawer 1000 / Victoria, British Columbia / V8W 2S6
Telephone 388-4421

12th September 1977

Your File: 0262100-AR-1832

Ministry of The Environment
Pollution Control Branch
1106 Cook Street
Victoria, British Columbia
V8V 1X4

Attention: Mr. J.W. Thomas, P. Eng.
Manager, Coast Region

Gentlemen:

Re: Twa Refuse Site - Saltspring Island

As you are aware, the Regional Board has allocated \$15,000.00 for expenditure at the Twa refuse disposal site on Saltspring Island. It is envisaged that this money will be used to assist Mr. Norman Twa in the cleaning up of his present operation so that the piles of garbage scattered about the site will be consolidated into one landfill area. After this is accomplished, users will be directed to one tipping face by directional barriers and the dumped refuse will be consolidated and covered in predetermined lifts. To prolong the life of the site, it is suggested that tree stumps and demolition waste be collected in a separate area and that this material be burned at designated times.

With the concept described above in mind, discussions took place between Mr. Austin, Mr. Thomas and our Mr. Robertson on 25th August 1977, and the conclusions reached are confirmed below:

1. The Capital Regional District will be assisting the dump operator in the operation of the refuse disposal site;
2. Garbage is to be dumped into a controlled area in 8 foot lifts and is to receive cover soil once a week;
3. As required, upstream water is to be diverted from the fill area by ditching;
4. Norman Twa will apply for a permit to operate the site;
5. The application will request permission for limited burning of stumps and demolition waste in a segregated area.

As a result of the above discussions, field work on this programme began on 29th August 1977.

Yours very truly,

N. Howard
N. Howard, P. Eng.
Chief Engineer

c.c. Mr. N. Twa



MUNICIPALITIES & ELECTORAL AREAS
Central Saanich
Colwood
Esquimalt
Langford
Metchosin
North Saanich
Oak Bay
Outer Gulf Islands
Saanich
Saltspring Island
Sidney
Sooke
Victoria
View Royal

Permit No: AR 1834 Inspected by: KHATONT
Name: TWA LANDFILL Date: 2 SEP/77
Location: SALTSPRING ISLAND Weather: CLOUDY
Contacted: —
Works: LANDFILL

Items: Flow

General	Effluent	Air	Refuse
Housekeeping <u>IMPROVING</u>	Colour <u>—</u>	Ring. <u>—</u>	Cover <u>ON HAND</u>
Flow Measur. <u>—</u>	Turbid. <u>—</u>	Temp. <u>—</u>	Odour <u>BURNING</u>
Sampling Fac. <u>—</u>	pH <u>—</u>	Colour <u>—</u>	Leach. <u>—</u>
Records <u>—</u>	Resid. Cl ₂ <u>—</u>	Particulate <u>—</u>	L. Colour <u>—</u>
Monitoring <u>—</u>	Floatables <u>—</u>	<u>—</u>	L. Odour <u>—</u>
<u>—</u>	Odour <u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	D.O. <u>—</u>	<u>—</u>	<u>—</u>

C. Comments: WORK PROCEEDING TO CLEAN UP THE SITE:
REFUSE BEING PILED AND BURNED. STUMPS BEING
PILED FOR BURNING.

Plans submitted: —
Monitoring submitted: —

D. Instructions left with Permittee: NONE

E. Status of Permit: NOT YET GRANTED

F. Action recommended: NONE

Signed

[Signature]

J.W.A. Donald

Coast Region (KHA)

August 26

77

APPLICATION AR-1839 - V. Twa

0262100-AR-1839

A meeting was held with E. Robertson to discuss the operation of the Twa refuse disposal site. Mr. Robertson stated that:-

1. The CDB preferred to subsidise Mr. Twa to operate the disposal site properly rather than to operate it themselves.
2. \$15,000. has been budgeted this year to clean up the scattered garbage at the site, and to start a proper programme of inspection and covering weekly.
3. Drainage diversions could be provided if needed at a later date.

It was suggested that logs be used to direct drainage of refuse to a confined area, and that an area be set aside for waste storage and demolition waste.

It is suggested that processing of an amended Form 1 be started. The applicant's name should be changed to E. Twa (letter dated May 8, 1976), and a clause relating transfer of assets and liabilities should be included.

E.A.
E.A. Austin

KHA:vh



YOUR FILE

OUR FILE .0262100-AR-1832

August 15, 1977

Capital Regional District
524 Yates Street
P.O. Drawer 1000
Victoria, British Columbia
V8W 1K8

Attention: Mr. N. Howard, P.Eng.
Chief Engineer

Gentlemen:

Refuse Disposal Arrangements - Saltspring Island.

Thank you for your letter of August 2nd advising of your interest in the refuse disposal site operated by Mr. Twa.

Your District is aware of the fact that an adjudication had not been reached in Mr. Twa's case because he had not made an acceptable proposal to the Director. As a consequence, the Branch had every expectation that the Director would refuse to grant a Permit and the residents of Saltspring Island would thus be deprived of service.

While the Branch is certain that Mr. Twa will welcome the assistance of your engineering department in improving his existing unsatisfactory operation, it is nevertheless incumbent on any prospective Permittee that he offer a satisfactory site and a satisfactory operation in accordance with the Municipal Objectives. We respectfully suggest you contact our Mr. J.W. Thomas to ensure that whatever advice is given is consistent with the requirements of both the Regional District and the Branch. It will, of course, be necessary to solicit comments from other government agencies in accordance with the Pollution Control Act before any adjudication is made.

The Branch would, of course welcome the direct involvement of the Capital Regional District in the role of acting as the Permittee for all municipal type refuse disposal operations within its boundaries. We are therefore forwarding herewith the necessary application forms for refuse disposal and we look forward to receipt of your application.

Yours very truly,

J.W.A. Donald, P.Eng.,
Coastal Section
Municipal Division



JWAD/tm
cc: Regional Manager - Coast

2nd August 1977



Department of Environment
Water Resources Service
Pollution Control Branch
Parliament Buildings
Victoria, British Columbia
V8V 4S5

Attention: Mr. J.W.A. Donald, P. Eng.

Gentlemen:

Re: Application Pursuant to Pollution Control Act
1967: on behalf of W. Twa, dated 20th September
1972 - YOUR FILE: 6262100-AR-1639

As you are aware the Regional District is negotiating with various parties for the disposal of solid waste generated on Salt Spring Island. It now appears that the most viable course of action is to continue with the operation currently being undertaken by Mr. W. Twa.

The Engineering Department has been directed to assist Mr. Twa in the cleaning up and reorganization of his operation and discussions have already commenced. Engineering Department staff will be visiting the site early next week to undertake a topographic survey of the operation. Plans will then be drawn up indicating to Mr. Twa how the operation is to be conducted.

We trust that the Region's involvement in streamlining this operation will allow you the opportunity to issue Mr. Twa with a Permit condoning his operation. The Regional District appears to have abandoned its proposals to convey solid waste from Salt Spring Island to the Bartland Road landfill site. Board members feel that such an operation would be economically unjustifiable.

Yours very truly,

A. Howard

A. Howard, P. Eng.
Chief Engineer

c.c.: Regional Manager - Coast

J.W.Thomas

Coast Region (KHA)

May 13

77

Operation of Twa Dump

0262100-AR-1839

The dump was inspected on May 11, 1977. Garbage is distributed over an area of about 4 acres, and there is a pile of tree stumps adjacent to the garbage. No covering soil has been applied although there is some available on the site and a cat is available for compaction and covering.

It is recommended that either:

- 1) A permit be granted for Laval C operation (covering weekly), or,
- 2) The application be refused, with an order to cease discharge in 60 days.

Att a

J.E.Austin

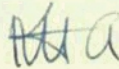
KHA:wh

FILE: 0262100-AR-1839
DATE: MARCH 3, 1977
FROM: COAST REGION (KHA)

MEMO TO FILE

SUBJECT: TWA DART - SALTSRING ISLAND

The site was inspected on February 25, 1977. A dump operation was being carried on. Garbage was distributed in a haphazard manner over an area about 100 x 100 feet. No attempt has been made to apply cover to the deposited garbage. No evidence of septic tank sludge dumping was observed.



K.W. Austin

KHA:vh



DEPARTMENT OF ENVIRONMENT



August 20, 1976

Mr. W. Twa
P.O. Box 255
Ganges, B. C.
V0S 1E0

Dear Mr. Twa:

Application Pursuant to Pollution Control Act,
1967, on behalf of W. Twa, dated September 20,
1972.

Forwarded herewith is a copy of a letter to Capital Regional
District which we believe is self explanatory.

Yours very truly,

J.W.A. Donald, P. Eng.
Coastal Section
Municipal Division

JWAD:ge

Encl.

cc: Regional Manager - Coast



THE GOVERNMENT OF
THE PROVINCE OF BRITISH COLUMBIA

DEPARTMENT OF ENVIRONMENT

August 20, 1976



Capital Regional District
Drawer 1000
524 Yates Street
Victoria, B. C.
V8W 2S6

Attention: Mr. N. Howard, P. Eng.
Chief Engineer

Gentlemen:

Application Pursuant to Pollution Control Act,
1967, on behalf of W. Twa, dated September 20,
1972.

This will acknowledge receipt of your letter of July 30 re the
subject application.

We are pleased to note that you hope to have an evaluation of
the Saltspring refuse position available by October and we will
therefore defer further consideration of Mr. Twa's operation
until we hear from you.

Yours very truly,

A handwritten signature in blue ink, appearing to read "J.W.A. Donald".

J.W.A. Donald, P. Eng.
Coastal Section
Municipal Division

JWAD:ge

cc: Regional Manager - Coast
Mr. W. Twa



CAPITAL REGIONAL DISTRICT

524 Yates Street / P.O. Drawer 1000 / Victoria, British Columbia / V8W 2S6
Telephone 388-4421

AUG 4 1976

POLLUTION CONTROL BRANCH

July 30, 1976

MUNICIPALITIES & ELECTORAL AREAS
Central Saanich
Colwood
Esquimalt
Langford
Metchosin
North Saanich
Oak Bay
Outer Gulf Islands
Saanich
Salt Spring Island
Sidney
Sooke
Victoria
View Royal

Department of Environment
Pollution Control Branch
Parliament Buildings
VICTORIA, B.C. V8V 4S5.

Attention: Mr. J.E. Dew-Jones, P. Eng.
Chief, Municipal Division

Gentlemen:

Re: Application Pursuant to Pollution Control Act,
1967, on behalf of W. Twa, dated September 20,
1972

Thank you for your letter of July 8, 1976, and your previous correspondence on this subject.

In view of the Capital Regional decision to convey all solid waste to a regional disposal location, I am not in a position at this time to make a decision on the Salt Spring landfill site. The Engineering Department is investigating the possibility of:-

- a) Closing the operation down completely;
- b) Transporting all future solid waste to a landfill site on the mainland in the Cowichan area;
- c) Transporting all solid waste to the Hartland Road landfill site;
- d) Upgrading the existing Salt Spring site so that it meets your permit regulations.

Until we have completed a review of these four alternatives, we do not feel that we are in a position to make a categorical answer to the questions outlined in your letters. It is hoped that we should be in a position to evaluate the problem by October of this year and request your indulgence for a further three-month period.

Thank you for your co-operation.

Yours very truly,



N. Howard, P. Eng.
Chief Engineer

Enc.

JWAD
PN 5-8-76
File

CAPITAL REGIONAL DISTRICT

524 Yates Street / P.O. Drawer 1000 / Victoria, British Columbia / V8W 2S6
Telephone 386-4421

MUNICIPALITIES & ELECTORAL AREAS
Central Saanich
Colwood
Esquimalt
Langford
Metchesin
North Saanich
Oak Bay
Outer Gulf Islands
Saanich
Salt Spring Island
Sidney
Sooke
Victoria
View Royal

21st May 1976

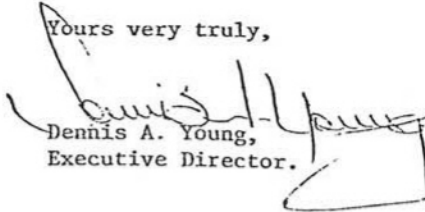
Mr. R.M. Fredericks,
Nanaimo Disposal Services Ltd.,
P.O. Box 171,
Nanaimo, B.C.
V9R 5K9

Dear Mr. Fredericks:

Your name has been referred to me by Director George Heinekey of Salt Spring Island who, I understand, you have had discussions with in relation to garbage disposal. He advises me that you have expressed some interest in contracting for the removal of all domestic garbage on Salt Spring Island to a dump that you either control or have access to somewhere in the Cowichan Valley area.

The Regional District is currently studying the manner in which a garbage collection and disposal service should be provided on Salt Spring Island, and there is a possibility that the current collection contractor, a Mr. Norman Twa, may be discontinuing his service. If this is so, and you do have some interest in operating on the Island, now may be an opportune time to look into the matter. I would appreciate hearing from you and possibly arranging a meeting with our Chief Engineer, Mr. Norman Howard.

Yours very truly,


Dennis A. Young,
Executive Director.

cc Director Heinekey
Mr. Howard ✓

July 8, 1976

Capital Regional District
524 Yates Street
P.O. Box 1000
Victoria, British Columbia

Attention: Mr. N. Howard, P. Eng.
Chief Engineer

Gentlemen:

Application Pursuant to Pollution Control Act,
1967, on behalf of W. Twa, dated September 20,
1972.

We would appreciate an early reply to our letter of May 13, 1976, a copy of which is attached for your convenience.

Yours very truly,

J.E. Dew-Jones, P. Eng.
Chief, Municipal Division

$$J_{\text{MAD}}/du$$

c.c.: Regional Manager - Coast



DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH
VICTORIA, BRITISH COLUMBIA

May 13, 1976

Mr. W. Twa
Saltspring Garbage Service
P.O. Box 255
Ganges, British Columbia



Dear Mr. Twa:

Application Pursuant to Pollution Control Act, 1967
on behalf of W. Twa, dated September 20, 1972.

This will acknowledge receipt of your enquiry of April 30, 1976.

The Branch already has a valid application on hand for your refuse disposal operation and the Director deferred an adjudication several years ago to provide the Capital Regional District the opportunity of studying the requirements of solid waste collection and disposal on the Gulf Islands.

We enclose a copy of our letter of today's date to the Capital Regional District requesting their early advice.

Yours very truly,

J.E. Dew-Jones

J.E. Dew-Jones, P. Eng.
Chief, Municipal Division

PNE/Ca
Enclosure

c.c.: Regional Manager - Coast
Capital Regional District

William Control Board
 146 Oak St
 Chicago, Ill.

Handwritten notes:
 2000
 H. Burton
 4/6

Handwritten:
 146
 1/15

CLERK	RECEIVED
AND	
MAY 1 1976	
AR 1839	
POLICE	

Dear Sir:

Re your letter of April 27, 1976.

I would like to make application for a permit for my refuse site and would you please advise me as to requirements. I could consider purchase

I also would like to inform you that the living waste has been covered as you requested.

Yours truly
 E. J. J. Sir

Salt Spring Garbage Service
 Box 255
 Garage 136

AR-1839

May 5/76

Told to handle about 1000 lbs of refuse
 to send him letter with info.
 Don't tell let carbon copy
 anything is sent
 (H)

DIS	RECEIVED	CHIEF
INAD J. J. May 4		
P.N.B.		

Victoria

April 27, 1976

Saltspring Garbage Service
P.O. Box 463
Ganges, B.C.

Attention: Mr. N. Twa

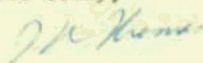
Dear Sir:

We recently received a complaint from a local Health Inspector regarding the discharge of septic tank sludge at your garbage disposal site. An inspection by K. Austin of our office indicated that the sludge had been covered, however he observed that a quantity of herring waste had been disposed of at the dump, apparently without covering.

If you have not already done so, we would request that the herring waste be properly buried and covered.

As you are no doubt aware, the application for a Permit for your refuse site has been held in abeyance for about three years in order to allow the Capital Regional District time to set up an alternate refuse collection system for the Gulf Islands. We have recently advised the Regional District that we do not believe that we can delay processing of your application much longer. In view of this, would you please advise us whether you wish to amend your original application in any way. Enclosed please find a copy of the "Pollution Control Objectives for Municipal Type Waste Discharges in B.C.".

Yours truly,



J.W. Thomas, P.Eng.
Manager
COAST REGION

JWT:vh
Enclosure

cc: J. Donald, P.Eng.
Municipal Division

Victoria

April 27, 1976

Capital Regional District
524 Yates St., P.O. Drawer 1000
Victoria, B.C.
V8W 2S6

Attention: M. Howard, P.Eng.

Gentlemen:

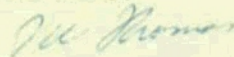
As you are probably aware from previous correspondence, an application for a Refuse Permit by a Mr. Twa on Saltspring Island has been held in abeyance for some three years. This was done in order to give the Capital Region time to implement a collection service for garbage in the Gulf Islands, with disposal at Hartland.

Recently we have received some further complaints regarding the operation of Mr. Twa's disposal site on Saltspring Island, including one from a Health Inspector regarding the discharge of septic tank sludge at the dump. The discharge of herring waste has also been reported.

Although we will be taking these matters up with Mr. Twa, it would appear that it will be difficult to hold up processing of this application much longer. Since it does not appear likely that the Director could issue a Permit for the present operation, the site could be closed, with consequent problems.

Before we recommend any further action to the Director in this matter, would you please advise us as to the status of the Regional District collection system in respect to Saltspring Island.

Yours truly,



J.W. Thomas, P.Eng.
Manager
COAST REGION

JWT:vh
cc: J. Donald, P.Eng.
Municipal Division

MEMORANDUM

TO.....J.W.Thomas.....

FROM

Coast..Region..(KHA).....

April..23,.....

1976.....

SUBJECT..TWA Dump - Ganges.....

OUR FILE....0262100-AR-1839

YOUR FILE.....

The dump site was inspected on April 21 in response to a report by the local Health Inspector that septic tank sludge was being dumped at the site. It was observed that discharge had stopped and the site was backfilled.

It was also observed that herring had been dumped at the site contrary to Section 5(1) of the Pollution Control Act, and that the general operation of the dump is continuing. It is recommended that:-

- 1) An order be issued to Twa to properly dispose of the herring dumped on the ground.
- 2) That pressure be brought to bear on the Capital Regional District to implement a system of refuse collection for the Gulf Islands.
- 3) That if/^{no}action results from 2 above that an order be issued to Twa to cease discharging refuse on his property.



K.H.Austin

KHA:vh
bcgeu

J.V. Thomas

Coast Region (KHA)

April 23,

75

KHA Dump - Ganges

0262100-AS-1839

The dump site was inspected on April 21 in response to a report by the local Health Inspector that septic tank sludge was being dumped at the site. It was observed that discharge had stopped and the site was backfilled.

It was also observed that herring had been dumped at the site contrary to Section 311 of the Pollution Control Act, and that the general operating of the dump is continuing. It is recommended that:

- 1) An order be issued to the to properly operate the herring dump on the ground.
- 2) That pressure be brought to bear on the Capital Region Council to develop a system of refuse collection for the area.
- 3) That if action results from 2 above that an order be issued to the to cease discharging refuse on his property.

K.L.A.
K.L. Austin

KHA:va
bcgu



THE GOVERNMENT OF
THE PROVINCE OF BRITISH COLUMBIA

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH
VICTORIA, BRITISH COLUMBIA

AR-1839

February 13, 1976

Capital Regional District
524 Yates Street
P. O. Drawer 1000
VICTORIA, British Columbia
V8W 2S6

Attention: N. Howard, P. Eng.

Gentlemen:

Application Pursuant to Pollution Control Act, 1967
on behalf of Walton Twa, dated September 20, 1972
(Saltspring Island).

We enclose a copy of our letter of September 30, 1974 and response
of October 7, 1974 in connection with the above.

May we urge that this matter be finalized. The refuse operation
in question is not considered satisfactory but a closure of the
site will only lead to litter scattered around the Island.

Yours very truly,

J. E. Dew-Jones, P. Eng.
Chief
Municipal Division

JEDJ:pb
Encl.

cc: Regional Manager - Coast

September 30, 1974

Capital Regional District,
524 Yates Street,
P.O. Drawer 1000,
Victoria, British Columbia.

Gentlemen:

Application Pursuant to Pollution Control
Act, 1967 on behalf of W. Twa, dated
September 20, 1972.

We enclose a copy of a letter to Salt Spring Garbage Service from which you will note that we do not anticipate resolving the subject application until the availability of alternative facilities is finalized. This decision was made in view of the expectation expressed in your July 18, 1974 letter that such facilities would be in operation in under a year.

We would urge that your Authority do everything in their power to expedite such facilities and request that we be kept informed of your program.

Yours very truly,

JEDJ
J.E. Dew-Jones, P. Eng.
Chief, Municipal Division

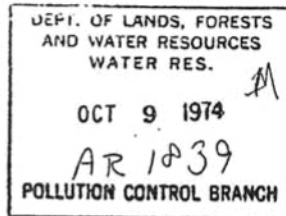
JEDJ
JEDJ:jd
Encl.

JEDJ
c.c. Salt Spring Garbage Service
Regional Manager - Coast
Health Branch: Attn. Mr. W. Bailey, Director, Environmental Engineering

15110

CAPITAL REGIONAL DISTRICT

524 Yates Street / P.O. Drawer 1000 / Victoria, British Columbia / V8W 2S6
Telephone 388-4421



7th. October 1974

CENTRAL SAANICH
Colwood
Esquimalt
Langford
Metchuin
North Saanich
Oak Bay
Outer Gulf Islands
Saanich
Salt Spring Island
Sidney
Sooke
Victoria
View Royal

Director, Pollution Control Branch
Parliament Buildings
Victoria, British Columbia

Attention: Mr. J.E. Dew-Jones, P. Eng.
Chief, Municipal Division

Dear Sir:

Re: Application Pursuant to Pollution Control
Act, 1967 - W. Twa, dated 20 September 1972

At the present time negotiations are underway to acquire lands necessary for the implementation of the Regional District Solid Waste Disposal Programme. As you may be aware we have inherited the operation, for an interim period, of the septic tank disposal lagoons at the Millstream site; this is one of the first preliminary stages of the development of our programme.

As stated to you earlier, it is our intention to be in operation of Regional disposal facilities some time in 1975, but until our land negotiations become fruitful we cannot implement any specific disposal programmes.

We will keep you advised of our progress in these matters, as developments come about.

Yours very truly,

J. Ramond
W.G. Gerry, P. Eng.
Director of Engineering

c.c.: Mr. J.W. Thomas, P. Eng.
Mr. W. Bailey, P. Eng.

DISTRIBUTION	DATE	INITIALS
DLB	10/10/74	<i>[initials]</i>
SEDS		
JWAD		<i>[initials]</i>
DIN		<i>[initials]</i>
File		

File: 0262100-AR-1839

Date: February 13, 1976

From: Chief
Municipal Division (JEI)

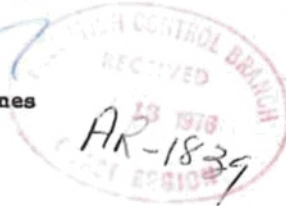
MEMO TO FILE

It is considered further correspondence with my applicant must
await confirmation from the Regional District of their
position, as it cannot be resolved until this is known.

J. E. Dew-Jones

JEDJ:pb

cc: Regional Manager - Coast



FILE: 0262100-AR-1839
DATE: MAY 12, 1975
FROM: COAST REGION (KHA)

MEMO TO FILE

RE: STATUS OF GARBAGE DUMP

The site was examined on May 7, 1975. Garbage is being deposited over a large part of the site, part of which is a shale pit. The deposited garbage is burned periodically.



R. H. Austin

USA:VH

K. Martin & P. Co.
AKA

7th October 1974

Director, Pollution Control Branch
Parliament Buildings
Victoria, British Columbia

Attention: Mr. J.E. Dew-Jones, P. Eng.
Chief, Municipal Division



Dear Sir:

Re: Application Pursuant to Pollution Control
Act, 1967 - W. Twa, dated 20 September 1972

At the present time negotiations are underway to acquire lands necessary for the implementation of the Regional District Solid Waste Disposal Programme. As you may be aware we have inherited the operation, for an interim period, of the septic tank disposal lagoons at the Millstream site; this is one of the first preliminary stages of the development of our programme.

As stated to you earlier, it is our intention to be in operation of Regional disposal facilities some time in 1975, but until our land negotiations become fruitful we cannot implement any specific disposal programmes.

We will keep you advised of our progress in these matters, as developments come about.

Yours very truly,

J. Ramon
for W.G. Gerry, P. Eng.
Director of Engineering

c.c.: Mr. J.W. Thomas, P. Eng. ✓
Mr. W. Bailey, P. Eng.

September 30, 1974

Salt Spring Garbage Service,
Box 463,
Ganges, British Columbia.

Attention: Mr. Norman Twa

Gentlemen:

Application Pursuant to Pollution Control
Act, 1967, on behalf of Walton Twa, dated
September 20, 1972

Further to our letter of May 16, 1974, the Capital Regional District
have now indicated that their Authority expect to provide alternative
refuse disposal facilities within the next year to serve Saltspring
Island.

Without prejudice to further requirements, the Director has determined
that he will probably not be in a position to resolve the subject
application until the availability of this alternative is finalized.

We enclose a copy of a letter we have written to the Capital Regional
District about this matter, which is self explanatory.

Yours very truly,

J.E. Dew-Jones, P. Eng.
Chief, Municipal Division

JEDJ:jd
Encl.

c.c. Capital Regional District
Regional Manager - Coast
Health Branch: Attn. Mr. W. Bailey, Director, Environmental Engineering



September 30, 1974

Capital Regional District,
524 Yates Street,
P.O. Drawer 1000,
Victoria, British Columbia.

Gentlemen:

Application Pursuant to Pollution Control
Act, 1967 on behalf of W. Twa, dated
September 20, 1972.

We enclose a copy of a letter to Salt Spring Garbage Service from which you will note that we do not anticipate resolving the subject application until the availability of alternative facilities is finalized. This decision was made in view of the expectation expressed in your July 18, 1974 letter that such facilities would be in operation in under a year.

We would urge that your Authority do everything in their power to expedite such facilities and request that we be kept informed of your program.

Yours very truly,

J.E. Dew-Jones, P. Eng.
Chief, Municipal Division

JEDJ:jd
Encl.

c.c. Salt Spring Garbage Service
Regional Manager - Coast
Health Branch: Attn. Mr. W. Bailey, Director, Environmental Engineering

K.H.A. KHa

POLLUTION CONTROL BRANCH
PARLIAMENT BUILDINGS
VICTORIA, BRITISH COLUMBIA

0262100-AR-18
-AR-28

August 12, 1974

C

Capital Regional District
524 Yates Street
P. O. Drawer 1000
Victoria, British Columbia
V8W 2S6



O

Attention: Mr. W. G. Gerry, P. Eng.
Director of Engineering

Gentlemen:

P

Application Pursuant to Pollution Control Act, 1967,
on behalf of W. Twa and Gulf Island Septic Tank Service.

This will acknowledge receipt of your letter of July 18, on
the matter of solid waste disposal.

Y

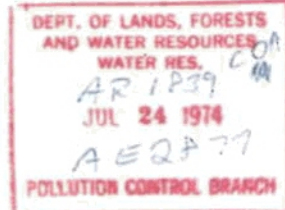
Mr. Dew-Jones is presently on vacation and this will be
brought to his attention on his return.

Yours very truly,

J. W. A. Donald, P. Eng.
Coastal Section
Municipal Division

JWAB/ba

cc: Regional Manager - Coast



18th July 1974

YOUR FILES: 0262100-AR-1839

AE-2877

Director, Pollution Control Branch
Water Resources Service
Parliament Buildings
Victoria, British Columbia
V8V 4S5



Attention: Mr. J. E. Dew-Jones, P. Eng.
Chief, Municipal Division

Dear Sir:

Re: Applications of W. Twa (AR-1839 September 1973
and Gulf Island Septic Tank Service (AE-2877
August 1973

Further to your letter of 12th July 1974 and our recent conversations I should advise that the Board has initiated the first of the necessary series of actions that will place them actively in the solid waste disposal function.

We are currently negotiating for suitable properties where sanitary land-fill facilities will be constructed and operated, together with sludge and treatment lagoons for the disposal of septic tank waste. It is our expectation that these facilities will be in full operation in less than a year and, hopefully, the first of them will be in operation in less than six months.

It is our intention that the solid waste from the Outer Gulf Islands and Salt Spring (exclusive of the septic tank sludge) will be transported to the disposal sites in the Victoria area. Sludge from the Outer Gulf Islands we plan to treat in a similar manner, but at a later commencement date. It is our belief that satisfactory disposal lagoon facilities can be provided on Salt Spring Island, at least for a number of years to come.

DISTRIBUTION	DATE	INITIALS

CONTINUED.../2

18th July 1974

At the present time neither the Public Works Committee nor the Board has considered the regional operation of a sludge lagoon on Salt Spring and would prefer, that at this time, it be operated by private industry. It is possible that in the future the permit's responsibility for such operations will be completely in the hands of the Capital Regional District, but the operation, i.e., physical operation of such sites be carried out by contract. However, this type of thing is presently very much in the planning stage and I can give you no firm assurance as to how or when this takeover might occur.

Yours very truly,



W. G. Gerry, P. Eng.
Director of Engineering

c.c.: Regional Manager - Coast

POLLUTION CONTROL BRANCH
PARLIAMENT BUILDINGS
VICTORIA, BRITISH COLUMBIA

0262100-AR-181
-AE-287

July 12, 1974

C
Capital Regional District,
524 Yates Street,
P.O. Drawer 1000,
Victoria, British Columbia.



O
Attention: Mr. W.G. Garry, P. Eng.,
Director of Engineering

Gentlemen:

P
Applications Pursuant to Pollution Control Act,
1967 on behalf of W. Twa (AR-1839), dated Sep-
tember, 1972 and Gulf Island Septic Tank Service
(AR-2877), dated August 8, 1973

Thank you for your letter of July 8, 1974. We would appreciate this ques-
tion of dates being taken up with your Board and re-examined.

Y
As a regulatory agency there is no action open to us under the Pollution
Control Act which will ensure that refuse can be disposed without pollution,
without depriving the residents of a disposal facility; only your Regional
District can achieve this under their letters patent. We believe a tem-
porary unsatisfactory situation may well be acceptable to the residents
of Saltspring if there is a target date for improvements.

Mr. Bardal has also discussed with us Gulf Island Septic Tank Service's
application. Whilst the considerations are somewhat different, we would
urge your Board to examine this matter at the same time, because a decision
on refuse disposal might possibly be affected by considerations regarding
sludge.

Yours very truly,

J.E. Dew Jones, P. Eng.
Chief, Municipal Division

JEDJ:jg

c.c. Regional Manager - Coast



DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH
VICTORIA, BRITISH COLUMBIA

May 16, 1974

Mr. Norman Twa,
Salt Spring Garbage Service,
P.O. Box 463,
Ganges, British Columbia.



Dear Mr. Twa:

Application Pursuant to Pollution Control
Act, 1967 on behalf of Walton Twa, dated
September 20, 1972 (Saltspring Island)

Thank you for your letter of May 8th advising of the change in ownership of the above referenced disposal site and expressing your willingness to discuss the status of the present application.

We are herewith forwarding photostatic copies of file correspondence respecting the application which are descriptive of the positions taken by Mr. Walton Twa, our Director and the Capital Regional District respectively. You will note that a final decision has been deferred until July of this year.

We would be pleased to meet with you at any time if you feel that such a meeting would be productive.

Yours very truly,

A handwritten signature in dark ink, appearing to read "J.E. Dew-Jones".

J.E. Dew-Jones, P. Eng.
Chief, Municipal Division

Encl.

c.c. Regional Manager - Coast A red arrow pointing to the right, indicating the next step or recipient.

Salt Spring Garbage Service,
Box 463,
Ganges, B.C.
May 8, 1974

DEPT. OF LANDS, FORESTS AND WATER RESOURCES WATER RES. <i>M</i>
MAY 9 1974
<i>AR 1839</i>
POLLUTION CONTROL BRANCH

Pollution Control Branch,
1106 Cook St.
Victoria, B.C.

Dear Sir:

I wish to inform you that I have taken over the ownership of Salt Spring Garbage Service and property from Mr. Walton Twa, Box 255, Ganges, B.C.

If there are any changes that you wish to discuss with me, I would be willing to meet with you for such purpose.

Yours truly,

Norman L. (per to L. L.)
Salt Spring Garbage Service.

Tel. 537-2287.

DISTRIBUTION	DATE	INITIALS
PNB		

May 14, 1973

Mr. W. Twa,
Box 253,
Ganges, British Columbia.

Dear Mr. Twa:

Application Pursuant to Pollution Control
Act, 1967, on behalf of W. Twa, dated
September 29, 1972



The subject application in regard to an existing registered discharge was recently put before the Director and we are instructed to notify you that it is his present intention to defer a decision until July 1974.

The position regarding a possible transfer of authority in this matter is recognized, as reflected in the recommendations of the Provincial Health Branch, who have expressed the view that a final decision be deferred "until the Capital Regional District have completed their Solid Wastes Study". It is also to be noted that by that time objectives following the recent inquiry into Municipal Wastes should be available.

This letter is without prejudice to the powers of the Director under the Pollution Control Act, 1967 (copy enclosed), in particular as to the possibility of any improvements being required before your application is finalized.

Yours very truly,

J.E. Dew-Jones, P. Eng.
Chief, Municipal Division

Encl.
c.c. Capital Regional District,
Salt Spring S.P.E.C., R.R. 1, Mead's Road, Ganges, B.C.,
Saltspring Island Planning Association, P.O. Box 12, Ganges, B.C.,
Mr. Marc Holmes, Director, Capital Regional Board, R.R. 1, Fulford
Harbour, B.C.,
Saltspring Island Chamber of Commerce, P.O. Box 111, Ganges, B.C.,
Health Branch,
District Manager - Coast

J.E. Dew-Jones

Chief - Municipal Div.

(Botanist) Coast District

October 18

72

Monitoring

0362100- AR-1839

Attached please find a monitoring programme for Site AR-1839 (Mr. W. Lee).
Site inspections will be required four times per year to ensure that the
landfill is being operated in accordance with the Pollution Control branch
guidelines.

At this time a surface or groundwater monitoring programme is not required.
However, should leachate or other detrimental features be observed
during the site inspections such monitoring programmes may have to be
initiated.

JB

A. Bailey

UNION

Attachment

LANDFILL MONITORING PROGRAMME

AR-1839 (Mr. W. Twa - Sanitary Landfill)

OCTOBER 18, 1972

Site Location	Monitoring to be Conducted			Sampling Frequency
	Site Inspection	Photographic Survey	Surface Water - Groundwater Monitoring	
General Landfill Area	x	x	Not required as yet.	4x/year

October 18

72

0262100-AR-1839

Application Pursuant to Collection District
Act, 1957 on behalf of Mr. W. W. W.

Application

Mr. W. W. W. has applied for a Permit to discharge domestic and commercial refuse on Lot 1, Section 16, Range 4 N, North Salt-spring Island. On Oct. 17, the site was inspected.

Location

The refuse site is located, 1/2 mile from Blackhorn Rd. and 1/10 mile from the Village of Blackhorn, on Mr. W. W. W.'s property. The nearest dwelling (not considering the residence 300' from the site) is 1/2 mile from the site. The cover material, composed mainly of broken and newspapers, shale and a limited amount of silty soil, is available at the site. There were no watercourses in the immediate area.

Observation

Refuse was found in major quantities and was separated from the domestic refuse and piled on either side of the dump. The domestic refuse is being burned and is covered. There was no noticeable odor but smoke was visible up to 1/2 mile away.

Pictures

Pictures were taken and will be forwarded when processed.

Recommendations

It is recommended that a "Level A" operation be achieved and maintained and burning be discontinued.

G. W. Butchart

G. W. Butchart

SL:js

AUG 10 1972

POLLUTION CONTROL BRANCH

DEPT. OF LANDS, FORESTS
AND WATER RESOURCES
WATER RES.

AUG 25 1972

DEPT. OF LANDS, FORESTS
AND WATER RESOURCES
WATER RES.

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH



Pollution Control Branch File No. AR-1839

RECEIVED

AUG 21 1972

THE AR-1839
Capital Regional District

APPLICATION FOR A PERMIT UNDER
POLLUTION CONTROL ACT, 1967
(REFUSE)

POLLUTION CONTROL BRANCH

This application is to be filed with the Director, Pollution Control Branch, Parliament Buildings, Victoria, British Columbia. Any person who qualifies as an objector under section 13 (2) of the Pollution Control Act, 1967 may, within 30 days of the date of application, or within 30 days of the date of publication in The British Columbia Gazette or in a newspaper, or, where service is required, within 30 days of the serving of a copy of the application, file with the Director an objection in writing to the granting of a permit, stating the manner in which he is affected. Those who do not so qualify may file with the Pollution Control Board an objection in writing under section 13 (6), in the same manner and time period as described above.

1. I, W. TUB SALT SPRING REFUSE COLLECTION
(Full name—if a company, British Columbia registered name)
of GANGES B.C. BOX 253
(Address—if a company, British Columbia registered address)

hereby apply to the Director for a permit to discharge refuse from

HOUSEHOLDS AND STORES
(Source of refuse)
located at SALT SPRING ISLAND B.C.
(General location)
and give notice of my application to all persons affected.

2. The refuse-disposal site shall be located at LOT 3 SEC. 14 RANGE 46
NORTH SALT SPRING ISLAND
(Give legal description)

which is approximately 500 FT. FROM BLACKBURN RD and 1/2 MILE
FROM FULFORD GANGES RD.
(Describe location relative to some surveyed or commonly known point)

3. The type of refuse to be discharged shall be
MUNICIPAL
(Municipal, industrial, inert, etc.)

4. The quantity of refuse to be discharged shall be as follows:
Average daily discharge (based on operating period) APPROXIMATELY 15 YDS/DAY
5 DAYS/WK
(Cubic yards as delivered to refuse disposal site)
The operating period during which the refuse will be discharged shall be
CONTINUOUS 5 DAYS/WK
(Continuous, days per week, date to date, etc.)

5. The nature or characteristics (in per cent by weight) of the refuse to be discharged is estimated to be as follows:

BURNABLE 75% INERT 25%

6. The type of treatment to be applied to the refuse is as follows:

BURNING AND COVERING

7. I, Dennis A. Young, Executive Director
(Name and title of official of regional district)
hereby certify that a copy of this application has been received by the Regional District of Capital
Regional District

8. This application, dated on the 28 day of SEP, 1972, was posted
on the ground in accordance with the Pollution Control regulations.



(Signature of official)

ADDITIONAL INFORMATION

In support of the application the following information* (as applicable) is submitted:

1. The density of refuse discharged is VARIABLE lb./cu.ft.

2. The population equivalent is 3000

3. The refuse-disposal site shall be located approximately:

(a) 1200 feet from the nearest watercourse;

(b) 1200 feet from the nearest domestic or irrigation water well or reservoir;

(c) 4 miles from the nearest dwelling, serviced lot, or recreational area.

4. The depth to the highest recorded water table from the bottom of the refuse-disposal site will be even 10 feet.

5. A description of the type of intermediate and final cover material to be applied is as follows:

SOIL AND BROKEN SHALE

6. The frequency of covering and compaction shall be APPROX EVERY 2 WKS

7. A description of a typical soil profile to a depth of 10 feet below the bottom of the refuse-disposal site is as follows:

DECOMPOSED SHALE

(Clay, silt, sandy loam, etc.)

8. The estimated service life of the refuse-disposal site is as follows:

10 YRS

(Months, years)

9. (a) A description of the type of landfill operation to be conducted is as follows:

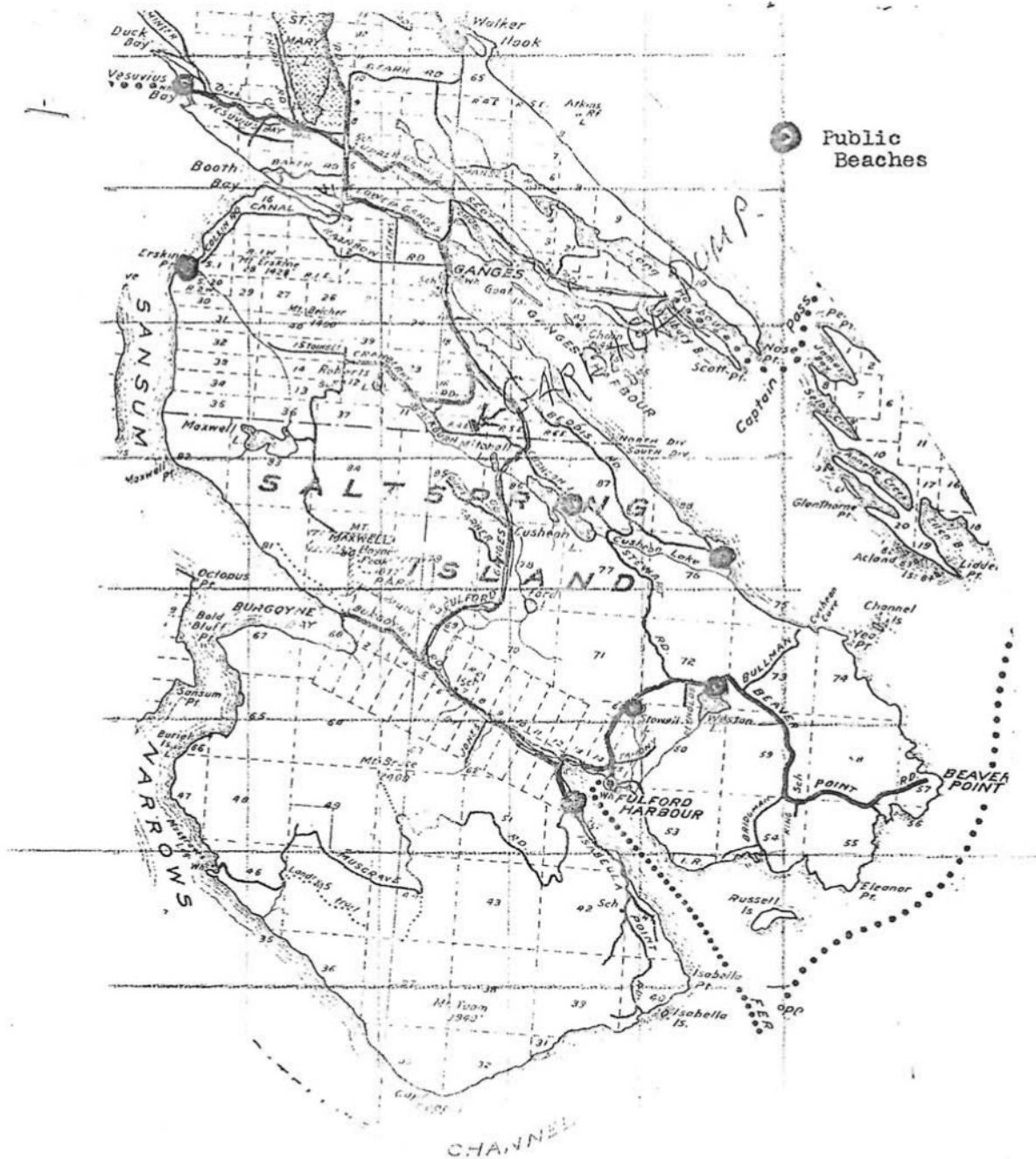
AREA

(Area, trench, ramp, or modified methods, etc.)

(b) A description of and details of any additional treatment of the refuse is as follows:

(Incineration, dewatering, composting, reclamation, shredding, grinding, etc.)

10. Miscellaneous information

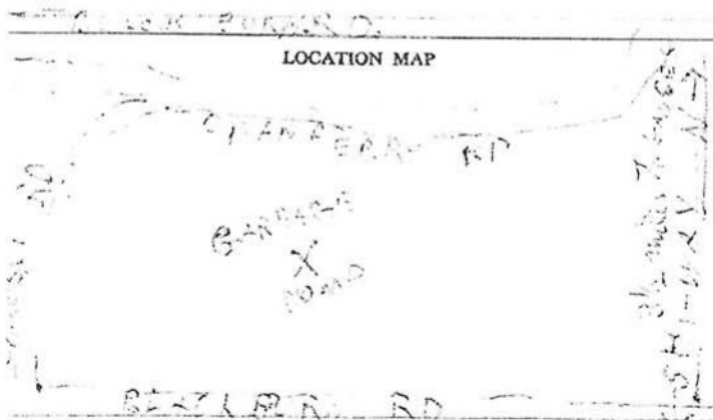
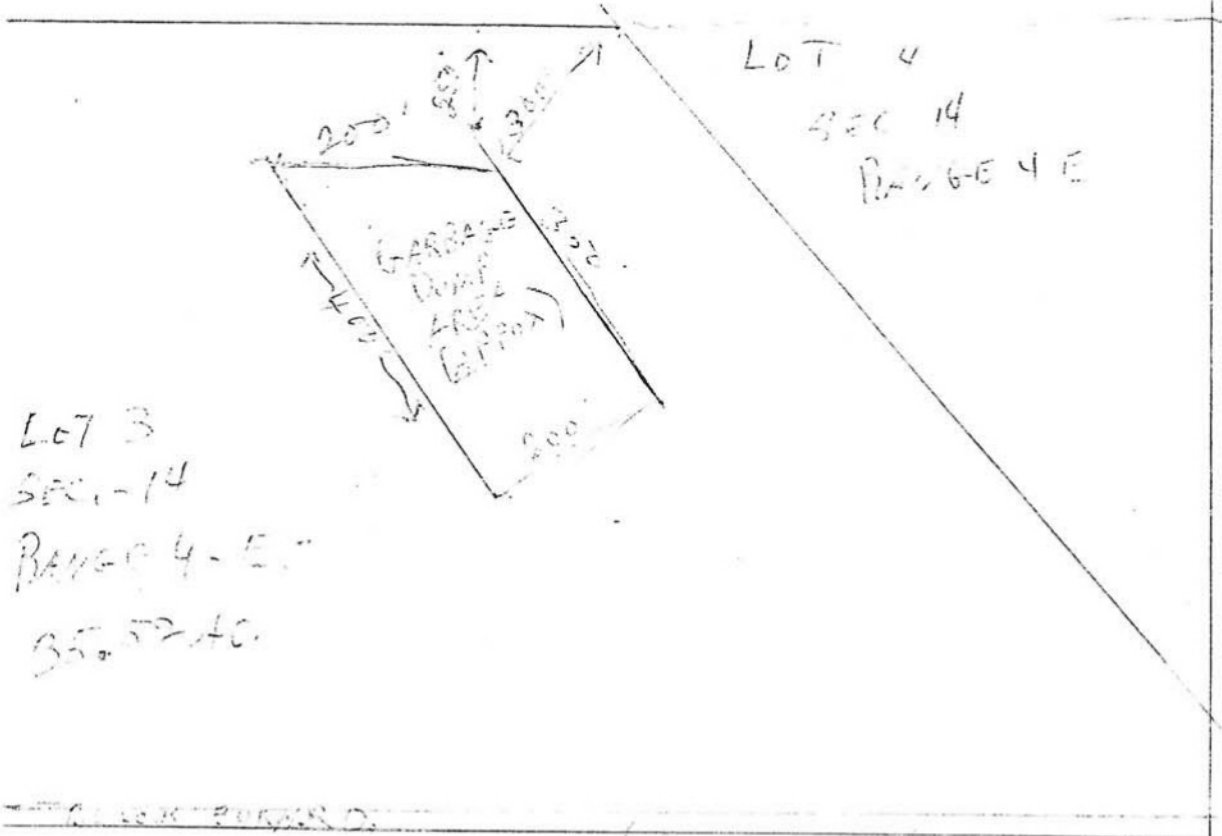




DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH

SITE PLAN

SECTION 15 RANGE 4 E



<u>[Signature]</u> (Name of applicant(s))	
<u>8-10-72</u> (Date)	<u>[Signature]</u> (Signature of applicant(s) or agent)
(FOR OFFICE USE ONLY)	
(Date issued)	(Director, Pollution Control Branch)
Appendix _____ to Permit No. _____	



DOUBLE REGISTERED

12th June, 1972

Mr. Walton Twa
Box 255
Ganges, British Columbia

Dear Sirs:

Re: Pollution Control Registration # 17-3-7 (Refuse)

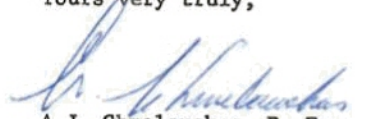
Pursuant to clause (b) of subsection (1a), section 5 of the Pollution Control Act, 1967, you are hereby ordered to make application for a permit within sixty days from the date of this order. The application is to cover the discharge of refuse from Saltspring Garbage Collection Service located at/near Saltspring Island, British Columbia, for which the Director received notification (reference Pollution Control Registration # 17-3-7) in accordance with clause (a) of subsection (1a), section 5 of the Pollution Control Act, 1967.

Please find enclosed blank application forms together with a letter of instruction regarding requirements under the Pollution Control Regulations.

Should you require any assistance in completing the application forms, you may wish to contact our District Manager, Mr. J.W. Thomas, P. Eng., telephone number 386-2431 Local 2D who is located at 1088 Fort Street, Victoria, B.C.

This order is subject to appeal in accordance with the provisions of the Pollution Control Act, 1967, a copy of which is available from the Queen's Printer at a charge of \$0.20 plus tax per copy.

Yours very truly,


A.J. Chmelauskas, P. Eng.
Assistant Director (Tech.)
Pollution Control Branch

AJC:pm

encl.
bcc: District Manager - Coast

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
 WATER RESOURCES SERVICE
 POLLUTION CONTROL BRANCH
 VICTORIA, BRITISH COLUMBIA



Mr. Walton Inn,
 Box 255,
 Ganges, British Columbia

12th June, 1972

Dear Sirs:

Re: Application for a Permit Pursuant to
 Pollution Control Act, 1967, on behalf
 of

Mr. Walton Inn

This 'letter of instruction' is provided to assist in the preparation and submission of an application for permit in accordance with the Pollution Control Act Regulations. To enable application to be made, blank 'application' forms are enclosed for your completion.

Your attention is directed to the following requirements under the Regulations:-

1. The requirements of Division 2.01 are embodied on the face side of the form. All applications are to be referred for certification to The Regional District in which the discharge is located. Where a municipality or other public body is making application, the first line of the application should be in their name. Where a company is making application, the British Columbia registered name and address must be given.
2. Division 2.02 states that "The applicant shall, on the date of the application, post on the ground a signed copy of the application." This is to be posted where it can be read by the public.
3. Division 2.03 states that "The applicant shall, within 10 days from the date of application, file with the Director two signed copies of the application and a plan showing the applicant's land and the location of the proposed works thereon." The plan required is 8½" x 14" in size and should provide a legal description of the site upon which the works are located and carry an inset map in one corner where necessary, to enable the site to be located in relation to the surrounding area. For your convenience two blank plan forms are enclosed for your preparation for site plan, etc., and one should be returned to the Director when application is made.

(2)

Cont/

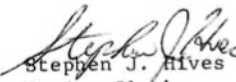
4. Division 2.04 and Division 2.05 refer to publishing copies of the application in various newspapers or serving notice on persons whose rights might be affected. Any requirements under these Divisions will be made known after an application is received.

Should you require assistance in completing this application, please contact our District Manager Mr. J.W. Thomas, P.Eng., 1088 Port Street, Victoria, B.C. (telephone 386-2431) who will be pleased to advise you.

Should you require additional application forms to complete your application, kindly advise the undersigned.


Section 5(2) of the Pollution Control Act, 1967 states that "The Director shall not issue a permit unless the applicant therefor has complied with the Regulations and supplied whatever plans, specifications and other information the Director requires." Therefore, in order to expedite your application to completion every endeavour should be made to make a full and complete submission.

Yours very truly,


Stephen J. Hives
Senior Clerk

SJH:

Encl.

cc: District Manager - Coast 

(2)

11-1839
FILE: 0262100-17-3

DATE: 4th April, 1972

FROM: Assistant District Mgr. - COAST

MEMO TO FILE

RE: NORMAN TWA DUMP, SALTSRING ISLAND

On March 29th, 1972 the site was visited with Mr. L. Potter, Health Branch, and Mr. W. McGrath, Health Engineering. It was noted that Twa was discharging over quite a long face and that in fact he could improve his operation by filling and covering small segments. There was a horde of rats feeding on the garbage food stuffs and if he were to operate in this fashion he would be able to control them. He would have to use poisons along with the covering technique. In addition, Twa should be covering the dump, every week or second week. As it is, it appears as though he covers it perhaps once a month.

Presently the refuse site is under registration, but it is recommended that in the near future he be requested to make application for a Permit.



D. W. Miller

DWM:mkb



THE GOVERNMENT OF
THE PROVINCE OF BRITISH COLUMBIA

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE—POLLUTION CONTROL BRANCH

Registration of a Discharge of Solid Waste under the
Pollution Control Act, 1967

File No.

DEPT. OF LANDS FOREST
AND WATER RESOURCES
WATER-RES.
NOV 13 1970
17-3-7
POLLUTION CONTROL BRANCH

I/We, WALTON TWA
(Full name—print or type)
of BOX 255 GANGES B.C.
(Legal address)

(Mailing address, if different to above)

hereby file with the Director of Pollution Control a registration of a discharge from SALT SPRING
GARBAGE COLLECTION SERVICE
(Local name of industry, housing development, trailer park, etc.—specify)
located at SALT SPRING ISLAND to
(Name of place) (Legal description of land)

The point of discharge is located at APPROX. 100 YARDS FROM N.E.
CORNER POST
(Give distance and direction from some surveyed or known point.)

The land upon which the works are located is LOT 3 OF SECTION 14
RANGE 4 EAST PLAN 17364 NORTH SALT SPRING
ISLAND
(Give legal description, or in case of municipal refuse, name of municipality and area thereof. Use reverse side, if necessary.)

The type of solid waste being discharged is HOUSEHOLD & COMMERCIAL GARBAGE
(Domestic, commercial, industrial by-products, etc.)

The quantity of solid waste being discharged is as follows:—

Solid waste	Maximum rate	(Cubic yards per hour)
	Maximum 12-hour discharge	Average 24-hour discharge
	(Cubic yards)	(Cubic yards)

6 YARDS

The operating season during which the solid waste is discharged is CONTINUOUS (DAILY)

(Continuous, or date to date)

The type of treatment applied to the solid waste before discharge is as follows
BURNING AFTER DUMPING

The method of disposal of the solid waste is OPEN DUMP & FILL
(Sanitary landfill, open dump, etc.)

This registration, dated the 10TH day of NOVEMBER, 1970, is true to the best
of my knowledge and belief.

(Signature) M. Luta

NOTE TO THE REGISTRANT.—Each discharge, i.e., more than one location, must be separately registered
with the Director.

FOR OFFICE USE ONLY

Date received <u>Nov 13 1970</u>	File No. <u>17-3-7</u>
District <u>C</u>	
Regional District <u>3-CAPITOL BC</u>	
Municipal <input checked="" type="checkbox"/>	Application for permit sent <u>Order May 1972</u>
Industrial <input type="checkbox"/>	<u>Rec'd Sept 22/72 AR1839</u>
Data processed	
Priority	To be received - - - - -
	(Date)