

PART E
SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E1.2 The following Drawings are applicable to the Work:

<u>Drawing No.</u>	<u>Drawing</u>
S - 371	North End Water Pollution Control Centre
S - 372	South End Water Pollution Control Centre
S - 372a	West End Water Pollution Control Centre
S - 373	Site Map

E2. SERVICES

E2.1 The Contractor shall supply five containers and shall transport and dispose of grit and screening material in accordance with the requirements hereinafter specified.

E3. NUMBER OF LOADS

E3.1 The number of loads transported and disposed of during the last three years from each of the treatment plants is as follows:

MONTH	NEWPCC					
	2001		2002		2003	
	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes
January	29	182.75	23	183.88	30	107.17
February	24	200.49	15	82.55	26	133.90
March	24	156.67	18	86.96	27	112.98
April	24	117.32	37	287.00	32	182.60
May	33	187.77	38	203.78	38	227.64
June	26	142.32	35	201.97	46	274.65
July	27	115.26	35	185.21	37	126.08
August	44	219.44	46	224.25	33	186.45
September	30	158.57	31	118.66	36	201.24
October	35	189.28	27	146.57	25	81.35
November	24	104.58	21	52.71	19	91.72
December	16	52.62	23	72.64	16	54.27
Total	336	1827.07	349	1846.18	365	1780.05

MONTH	SEWPCC					
	2001		2002		2003	
	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes
January	5	40.94	5	21.89	6	27.53
February	7	29.10	5	23.49	5	28.32
March	7	40.53	5	23.63	7	32.64
April	8	38.91	8	32.23	8	25.11
May	8	46.55	7	28.43	9	38.20
June	8	43.13	6	36.36	9	32.10
July	8	40.86	9	31.71	8	23.60
August	8	36.07	8	27.57	9	27.08
September	6	93.33	8	25.78	9	31.61
October	6	50.60	8	21.78	9	25.84
November	6	31.74	6	18.04	8	27.68
December	5	18.06	6	20.33	8	24.86
Total	82	509.82	81	311.24	95	344.57

MONTH	WEWPCC					
	2001		2002		2003	
	Loads	Tonnes	Loads	Tonnes	Loads	Tonnes
January	4	13.13	5	15.60	5	13.94
February	6	18.22	4	13.91	4	10.83
March	4	17.08	4	12.90	7	44.33
April	12	106.95	5	35.25	6	28.41
May	8	39.78	9	60.10	6	32.14
June	7	29.08	8	52.30	6	25.95
July	7	33.61	6	18.07	5	14.1
August	5	13.53	5	12.00	7	27.62
September	4	8.71	5	21.47	5	16.57
October	5	12.38	5	11.00	4	11.09
November	4	7.54	4	6.80	4	12.26
December	4	9.10	5	6.97	5	24.53
Total	70	309.11	65	266.37	64	261.77

E3.2 The above figures are supplied only to assist the Contractor in preparation of the bid and scheduling of work. The City will not assume responsibility for any variance in these figures during the duration of this contract.

E3.3 The Contractor can expect the number of loads to vary over the period of the contract. The degree of variation (increase or decrease) will depend on the rate of the development growth in the areas as served by each of the three treatment plants and improvements to the treatment plant(s). Grit quantities may also vary from month to month and season to season depending on climate conditions.

E4. PLANT OPERATION

E4.1 All treatment plants are operated on a continuous basis, however, operating personnel will be in attendance at the following times:

E4.1.1 SEWPCC - 0730 hrs. to 1600 hrs. - Monday to Friday (except holidays) (please note that the entrance **door** at the SEWPCC is locked at 1600 hours, **therefore the container must be returned by 15:30 hours**)

- E4.1.2 WEWPCC - 0730 hrs. to 1600 hrs. - Monday to Friday (except holidays) (please note the entrance **gate** to the WEWPCC is locked at 1600 hrs., **therefore the container must be returned by 15:30**).
- E4.1.3 NEWPCC - 24 hrs. per day, 7 days per week
- E4.2 The hours of operation at the SEWPCC and the WEWPCC may change and the Contractor will be notified in advance of such changes.
- E4.3 Assistance by City staff may be available during the hours of operation noted above. If assistance is required at any other time the Contractor shall contact the NEWPCC at 986-4798.

E5. CONTAINER RENTAL

- E5.1 The Contractor shall supply three containers for the NEWPCC and one container for each of the WEWPCC and the SEWPCC. These containers shall be supplied on a monthly rental basis for a three year period as specified on FORM B: PRICES.

E6. MATERIAL AND EQUIPMENT

- E6.1 All materials and equipment under this specification shall be of a type approved by the contract administrator and shall be subject to inspection and testing by the contract administrator. The containers shall be 20 yard roll-off containers or approved equal.
- E6.2 The Contractor shall be prepared to respond to request for service and have available twenty-four (24) hours a day, including weekends and holidays the necessary equipment and manpower to carry out the work specified herein. Should the primary equipment or manpower not be available for any reason they must be immediately replaced from reserve equipment and manpower. All containers used to haul grit shall be constructed such that during transportation, **NO LIQUID, GRIT OR SCREENING MATERIAL WILL LEAK OUT OR ESCAPE**.
- E6.3 All containers used to haul grit and screening material shall be covered while being transported.
- E6.4 Whenever instructed by the contract administrator the Contractor shall within twenty-four (24) hours make all necessary repairs or changes to the equipment.

E7. TRUCKING ROUTE

- E7.1 When transporting grit and screening material the Contractor shall comply with all federal and provincial statutes, acts, by-laws and regulations.
- E7.2 The route used by the Contractor to transport grit and the return trip shall be as shown on drawing no. S-373 included in these special provisions. Under no circumstances shall the Contractor use any other route unless prior approval has been applied for and obtained from the contract administrator in writing.
- E7.3 The Contractor will not be paid for any load where an alternate route was used prior to obtaining approval.

E8. CONTAINER SIGNAGE

- E8.1 Each rental container will be marked as to what plant the load is from as well as such numbering as directed by the City.
- E8.2 The signage will be put on the side of the container and the Contractor will be instructed on the exact markings after the contract has been awarded.

E8.3 The Contractor will be responsible for the cost of the signage

E9. FREQUENCY OF LOADS

E9.1 NEWPCC

E9.1.1 During dry weather periods of the year it may be necessary to haul one load per day, including weekends and holidays. There may be days when more than one load must be hauled.

E9.1.2 During wet weather periods, spring thaw and rain storms it may be necessary to haul more than one load per day and on short notice upon request in accordance with E10 and E11. In the winter months it may not be necessary to haul any loads on weekends.

E9.2 WEWPCC AND SEWPCC

E9.2.1 During dry weather periods of the year it will be necessary to haul one load per week. The day(s) that loads are to be hauled will be scheduled after the contract has been awarded. During wet weather periods it may be necessary to haul loads more frequently and on short notice upon request in accordance with E10.

E10. REQUEST FOR SERVICE WHEN BRADY ROAD LANDFILL SITE IS OPEN

E10.1 Further to E6 it may be necessary to request that a load be picked up at short notice. The Contractor must pick the load up within three hours of such a request and haul the load to Brady Road Landfill site

E11. REQUEST FOR SERVICE WHEN BRADY ROAD LANDFILL SITE IS CLOSED

E11.1 Further to E6 the City may request the removal of a container during a time period when Brady Road Landfill is closed. In this event the full container shall be removed from the building, replaced with an empty container and stored on site until it can be disposed of at the Brady Road Landfill Site.

E11.2 The Contractor must provide this service within three hours of such a request.

E12. FAILURE TO HAUL OR MOVE A CONTAINER WITHIN THREE HOURS OF REQUEST

E12.1 Further to E10 and E11, every time the Contractor is called out by special request, he shall notify the plant staff of his arrival at the loading facility. In the event the Contractor does not haul or move a container loaded with grit within three hours of such a request for service, the City can take whatever steps are necessary to haul the container. All costs in this regard will be charged to the Contractor and deducted from his payment for work actually done.

E13. OVERWEIGHT TICKETS

E13.1 The Contractor is responsible for the costs in regard to overweight tickets on containers that are not picked up or moved within three hours of a request for service. The City is responsible for all other overweight tickets.

E14. CLEANUP OF SPILLAGE AT THE TREATMENT PLANTS

E14.1 The Contractor is responsible for the immediate cleanup of any spillage of grit material from a container that is not picked up or moved within three hours of request for service. In the event the City is forced to cleanup spillage, all costs in this regard will be charged to the Contractor and deducted from his payment for work actually done.

E15. CLEANUP OF SPILLAGE DURING HAULING

E15.1 The Contractor is responsible for the immediate cleanup of any spillage or leakage which occurs during the transporting of containers. In the event the City is forced to cleanup such spillage or leakage, all costs in this regard will be charged to the contractor and deducted from his payment for work actually done

E16. LOADING FACILITIES

E16.1 NEWPCC

E16.1.1 At the NEWPCC two grit bins are loaded manually by City personnel and the screening material bin is loaded by conveyor. For access to the screening material bin one of the grit bins must be moved out of the building and replaced while the screening material bin is hauled to the landfill.

E16.2 SEWPCC

E16.2.1 One storage hopper, having a storage capacity of approximately 6.0m³, is provided. The storage hopper is equipped with a pneumatically operated discharge gate. The Contractor shall close the hopper discharge gate when the container is removed and open the gates when the container is placed back under the hopper.

E16.3 WEWPCC

E16.3.1 One storage hopper, having a storage capacity of approximately 2.4m³, is provided. The storage hopper is equipped with a pneumatically operated discharge gate. The Contractor shall close the hopper discharge gate when the container is removed and open the gates when the container is placed back under the hopper.

E17. COMPENSATION FOR DELAYS

E17.1 When the City causes a delay in the hauling of grit and screening material, the Contractor will be compensated for any time in excess of one hour. There will be no compensation for delays which are one hour or less. During regular plant hours of operation the delay must be immediately brought to the attention of plant staff.

E17.2 The Contractor shall in his tender specify the Hourly rate for such delays for the duration of the contract on Form B: Prices.

E18. PARKING

E18.1 The Contractor shall not park **any** equipment other than the rented containers at any of the three water pollution control centres without permission from the Contract Administrator.

E18.2 Maintenance of the Contractor's equipment other than minor repairs, shall not be performed at any of the plants.

E19. SNOW CLEARING

E19.1 The City will attempt to keep the roadway open at all times but will not be responsible for delays incurred by the Contractor due to the blockage of roadways or loading entrances caused by snowfall.

E20. ON-SITE CONSTRUCTION

E20.1 During the duration of this contract, construction may take place at the treatment plants. During construction the City will inform the Contractor in advance when the grit containers are not accessible and hauling must be rescheduled.

E21. INOCULATION

E21.1 For safety reasons the Contractor may wish to have his drivers inoculated. The grit should be treated as raw sewage as there is a possibility that the grit material may contain disease-causing organisms such as bacteria, viruses or parasites. The drivers should wear protective clothing such as rubber gloves and overalls whenever they must handle the grit material.

E22. DANGEROUS GASES

E22.1 The Contractor shall be aware that hydrogen sulfide (H₂S) gas may be present in the grit and screenings loading areas. There is a hydrogen sulfide gas detector in each of the loading areas which is set to alarm at 10 p.p.m. In an alarm situation, any person in the loading area will be alerted by a flashing strobe light and must leave the loading area immediately until the strobe light goes off.

E22.2 Information on hydrogen sulfide gas is included in the Bid Opportunity listing.

E23. DAMAGE TO CITY PROPERTY

E23.1 Any damage caused by the Contractor to any City property will be repaired by the City and the cost will be deducted from the monthly progress payments.

E24. ON SITE RESTRICTIONS

E24.1 The Contractor and his employees are prohibited from entering the premises of all three plants other than to perform the work of this contract unless accompanied by plant staff. The Contractor or his personnel will not be allowed to operate equipment other than described in this contract. No one other than the Contractor and his driver is allowed inside the entrance gate of any of the three plants.