

CLOSURE PLAN
SLATER ELECTRIC, INC.
GLEN COVE, NEW YORK

DECEMBER 1983

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REGULATORY AFFAIRS

CLOSURE PLAN
SLATER ELECTRIC, INC.

DECEMBER 1983

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CLOSURE PLAN

SLATER ELECTRIC, INC.

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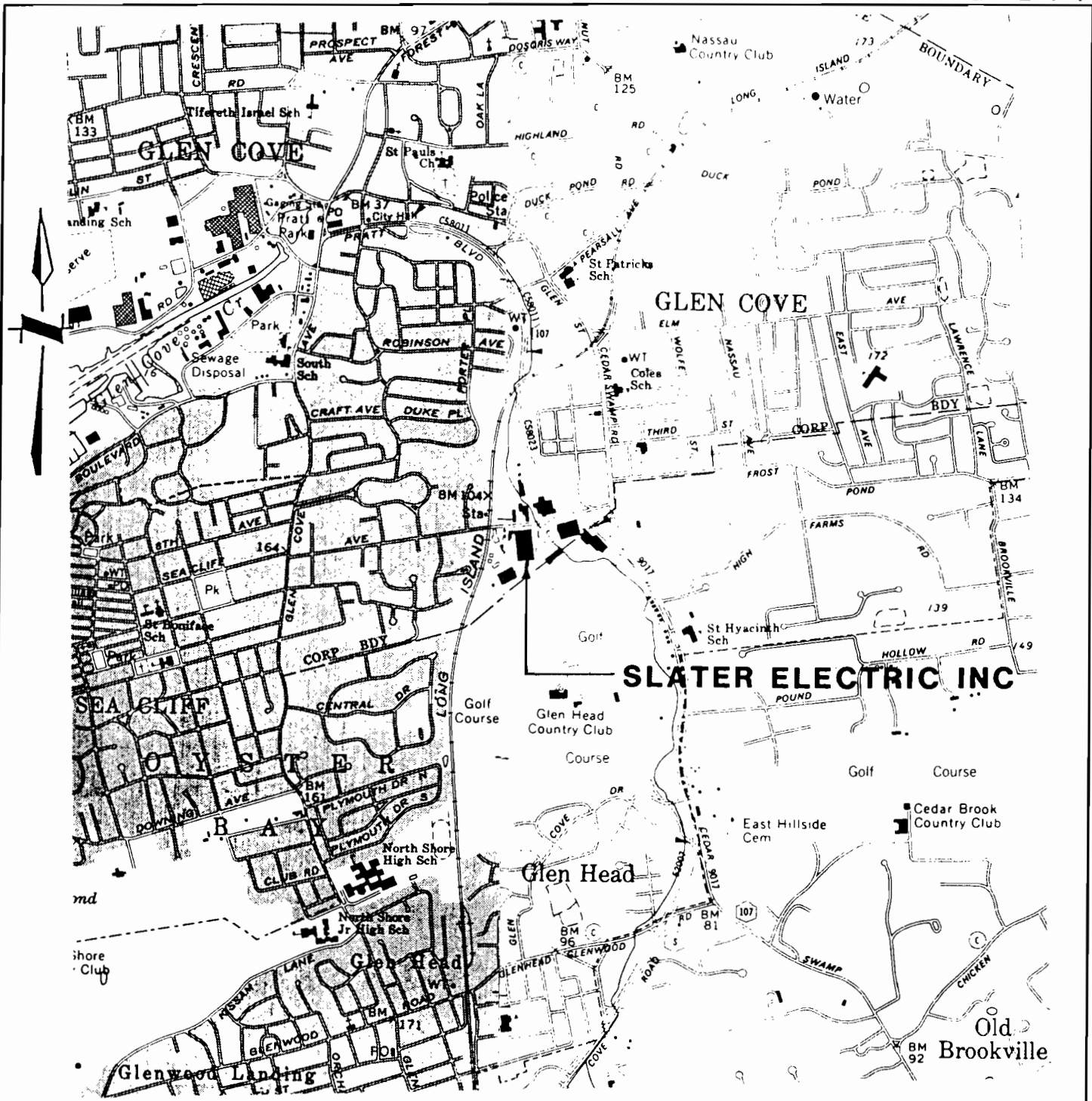
SCOPE

This plan outlines the procedures necessary for the closure of the hazardous waste storage facility at Slater Electric's manufacturing plant located in Glen Cove, New York. The intent of this Closure Plan is to eliminate post-closure maintenance of the hazardous waste storage facility and ensure that there is no post-closure release of hazardous waste to the environment. The plan has been prepared in accordance with NYCRR Part 360.8(c)(6) and RCRA 265 Subpart G.

PROCESS OPERATIONS

Slater Electric is engaged in the manufacture of electrical wiring devices such as switches, junction boxes, etc. Slater Electric's manufacturing facility is located at 45 Sea Cliff Avenue, Glen Cove, New York. A Location Map is shown in Figure 1.

Process operations which generate wastes requiring off-site disposal consist of injection molding machines, tapping machines, vapor degreasers, washing tanks and the soldering machine. The wastes generated include hydraulic oil, water soluble oil, waste oil, perchloroethylene sludge, safety solvent, wax flux residue, 1,1,1-trichloroethane and waste paint/thinner. All wastes are collected in suitable containers (drums or tanks), and stored



LOCATION MAP

SCALE: 1" = 2000'

**SLATER ELECTRIC, INC
GLEN COVE, NEW YORK**

DECEMBER, 1983



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temporarily on-site to await off-site disposal or reclamation by a licensed industrial waste scavenger.

WASTE STORAGE FACILITIES

The wastes generated at Slater Electric which require off-site disposal are temporarily stored in metal drums or steel tanks, that are compatible with the materials stored. Waste oil is stored in three (3) above ground steel tanks. All other wastes are stored in metal drums. The holding tanks and portable waste drums are presently stored outside the facility building on a concrete slab. Slater Electric will be modifying the existing waste storage area by providing a facility to house both the tanks and drums (see Drawing Nos. SLAT83-01-01 & 02).

CLOSURE

In general, the closure of Slater Electric's waste storage facility will entail the removal of all waste holding drums from the storage area. The closure would also include the emptying of the waste oil holding tanks into suitable steel drums and removing them from the site through a licensed industrial waste scavenger.

The first step towards closure will be to shutdown all process operations that generate wastes which require off-site disposal.

The second step will entail the transfer of all waste materials left in various process tanks into suitable containers such as drums, carboys, etc.

The third step will involve cleaning or decontaminating the equipment used to store or transfer the waste materials. The three (3) 275 gallon steel tanks, pumps and piping used in the storage and transfer of waste oil should be cleaned using a suitable cleaner. The pumps and piping used to transfer perchloroethylene sludge, 1,1,1-trichloroethane, safety solvent and waste paint/thinner, should be air dried and the resultant air ventilated through an existing ventilation system. The equipment used in the transfer of waste wax flux residue should be cleaned with warm water and then air dried. The bermed containment area within the waste storage facility should also be flushed clean.

All flushings collected from cleaning the process tanks, pipe, pumps, etc., should be collected in suitable containers for off-site disposal.

The fourth step will involve the disposal of these wastes off-site. Once all the wastes have been completely transferred to suitable portable containers (55 gallon drums or carboys), and the transfer systems thoroughly cleaned, the wastes should be disposed of off-site, through a licensed industrial waste scavenger.

An estimate of the maximum volume of wastes requiring disposal from Slater Electric's facility is presented in Table 1.

Proper procedures involved in the disposal of hazardous wastes such as manifesting, appropriate containerization of the waste materials, labeling of the containers, etc., must be followed.

TABLE 1
ESTIMATE OF MAXIMUM
VOLUME OF WASTE MATERIAL

<u>MATERIAL</u>	<u>MAXIMUM VOLUME, GALS.</u>
1. Hydraulic Oil	600
2. Water Soluble Oil	255
3. Waste Oil	45
4. Perchloroethylene Sludge	825
5. Safety Solvent	330
6. Wax Flux Residue	165
7. 1,1,1-Trichloroethane	110
8. Paint Thinner	55

CERTIFICATION OF CLOSURE

Upon completion of the waste storage facility closure, Slater Electric, Inc. and an independent New York State registered professional engineer will submit to the NYSDEC, certification documenting that the facility was closed in accordance with the procedures outlined in this Closure Plan. Additionally, the facility will also be inspected by NYSDEC, NCDH and other agencies to ensure proper closure of the waste storage facility.

CLOSURE COST ESTIMATE

A cost estimate to close Slater Electric's waste storage facility is presented in Table 2. The cost estimate has been divided into three principle tasks, namely, waste collection, equipment clean-up and waste disposal.

The cost for waste collection includes the labor cost to transfer waste materials from various process tanks into drums or other suitable containers and to move the drums to the waste storage facility. Labor costs were estimated at \$30.00 per hour and 30 manhours.

Cleaning costs represent the cost of labor to clean the process tanks, waste oil holding tanks, transfer pumps, piping, etc. Labor costs associated with cleaning were estimated at \$30.00 per hour and 80 manhours. Once properly cleaned and decontaminated, the process tanks, holding tanks, transfer pumps, etc., will be used elsewhere in the facility. If reuse is not practical, the materials will be scrapped (resale value has been assumed to be zero).

TABLE 2
SLATER ELECTRIC, INC.
CLOSURE COST ESTIMATE

1. WASTE COLLECTION	\$ 900.
2. EQUIPMENT DECONTAMINATION/CLEANING	2,400.
3. WASTE DISPOSAL	
(a) Hydraulic Oil	600.
(b) Water Soluble Oil	255.
(c) Waste Oil	60.
(d) Perchloroethylene Sludge	825.
(e) Safety Solvent	660.
(f) Wax Flux Residue	330.
(g) Paint Thinner	110.
(h) 1,1,1-Trichloroethane	<u>110.</u>
SUBTOTAL	\$ 6,250.
4. CONTINGENCIES	1,250.
5. ENGINEERING & ADMINISTRATION	<u>1,500.</u>
TOTAL ESTIMATED CLOSURE COST.	\$ 9,000.

Waste disposal cost represents the cost to dispose of various wastes listed in Table 1. The various waste materials requiring off-site disposal and the cost for each are listed in Table 2, Item 3. The disposal cost for wastes such as paint/thinner, wax flux residue, were assumed to be \$2.00/gallon. Although waste 1,1,1-trichloroethane and perchloroethylene sludge are presently picked up by a licensed waste scavenger at no cost to Slater Electric, for the purpose of this Closure Plan a disposal cost of \$1.00/gallon was assumed. Similarly, waste oil disposal is presently done at no cost to Slater Electric. However, a disposal cost of \$1.00/gallon was assumed.

As shown in Table 2, the total closure cost including contingencies, engineering and administration is estimated at \$9,000.

CLOSURE SCHEDULE

A schedule for closing Slater Electric's waste storage facility is presented in Table 3.

As shown in Table 3, Slater Electric will notify NYSDEC 180 days prior to closing the liquid waste storage facility and complete the closure within 90 days of generating its final volume of waste.

Respectfully submitted,

HOLZMACHER, McLENDON & MURRELL, P.C.

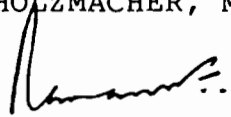

Raman S. Iyer
Project Engineer

TABLE 3

SLATER ELECTRIC, INC.

CLOSURE SCHEDULE

<u>ACTIVITY</u>	<u>SCHEDULE</u>
1. Notification of proposed closure to NYSDEC and NCDH	180 days prior to generating final volume of liquid waste
2. Transfer wastes into drums and disposal of drums	Within 90 days of generating final volume of liquid waste
3. Clean waste transfer piping and equipment	Immediately after transferring wastes