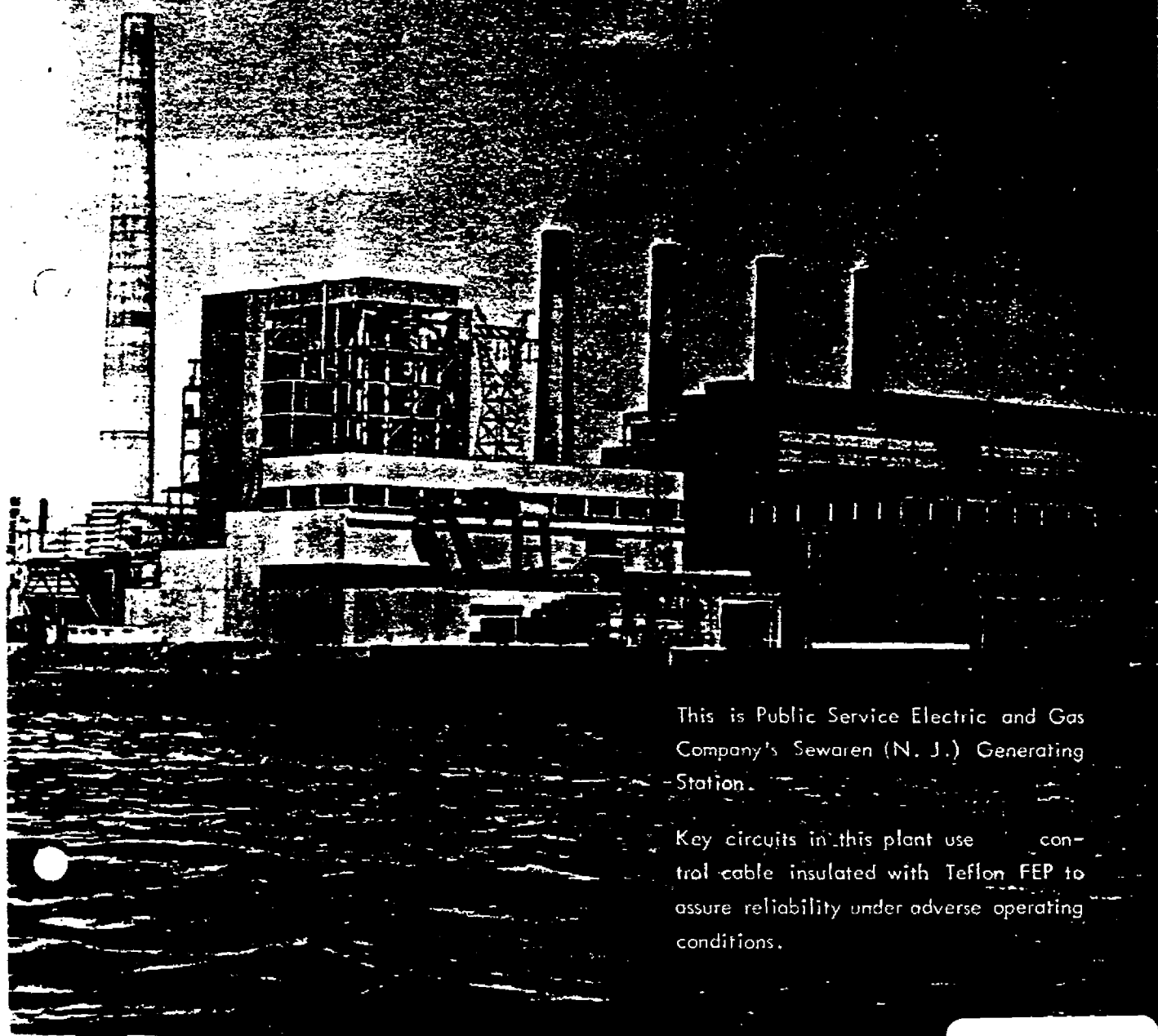


PLAINTIFF'S
EXHIBIT

E-213

DWE



This is Public Service Electric and Gas Company's Sewaren (N. J.) Generating Station.

Key circuits in this plant use control cable insulated with Teflon FEP to assure reliability under adverse operating conditions.

RBB 00094

SC-ELEC-00039

FIRE RESISTANT CONTROL CABLE

THE NEED

To protect the community from loss of power due to fire in public utilities.

THE PROBLEM

To provide control cables for critical circuits and computer controls in public utility generating stations.

THE SOLUTION

Continental Wire uses Teflon* — the modern material that does not burn — for both insulation and jacket on their control cables. Teflon will withstand temperatures of 400°F for continuous service.

Teflon covered control cables offer additional features of interest to the engineers responsible for the operation of public utility generating stations:

ELECTRICAL STABILITY

- continuous operation to +400°F

INCREASED RELIABILITY

- Teflon has almost universal chemical inertness — completely resistant to corrosives and lubricants
- high abrasion and excellent cut-through resistance
- will support emergency current overloads under conditions which cause other insulations to disintegrate

CONVENIENCES

- color coding
- smaller diameter

Continental's Teflon insulated control cables are available in sizes from 20 through 12. Where desired, the conductors can be twisted into pairs and shielded.

A typical Continental-designed 4 conductor No. 16 Teflon covered control cable, recently supplied to a large utility company, had the following characteristics:

DC Conductor Resistance	
at 25°C:	4.85 ohms/ft.
Dielectric Constant:	2.2 max.
Insulation:	5000 megohms/1000 ft.
Cold Bend:	-55°C

The York office will provide detailed specifications and pricing information for specific requirements.

* Registered duPont Trademark

Continental Wire & Cable has been solving special cable problems — filling customers' needs for more than 20 years. Our design and management team is experienced in all phases of wire and cable production. Total number of man years' experience is more than 400.

Continental's total manufacturing area exceeds 235,000 square feet

TEST FACILITIES



100% wet dielectric testing



Flexing, bending and impact testing at temperature extremes



100% critical electrical and physical characteristics testing



R and D laboratory

RBB 00095

housing the latest cable and wire equipment, a wide variety of test facilities, and special product development laboratories. In addition, the facilities and advanced technical, testing and research personnel of Gulton Industries (including 275 graduate scientists and engineers) is available to Continental Wire & Cable.

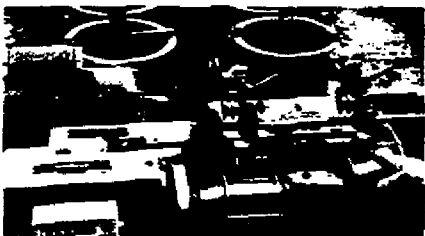
MANUFACTURING FACILITIES



Extrusion coating



Textile braiding



Winding fine copper strands into protective metal shielding



Planetary cabling of up to 100 conductors or groups of conductors

FIRE RESISTANT CABLES

ADDITIONAL CONTINENTAL CABLES FOR PUBLIC UTILITIES

FOR POWER	AGS AIA AVA AVB SRA PE SRG	Asbestos, glass braid, silicone treated Asbestos, asbestos braid 600 volt Asbestos, V.C., asbestos braid 600-5000 volt Asbestos, V.C., cotton braid 600-5000 volt Silicone rubber, asbestos braid Polyethylene, cross-linked polyethylene Silicone rubber, glass braid
	20/10 PN T SNA AVA Teflon Silicone Cross-lene TAGT	Polyethylene, PVC jacket Polyethylene, Nylon PVC jacket 600-1000 volt Polyvinyl chloride PVC, asbestos, braid Asbestos, V.C., asbestos braid TFE or FEP Rubber insulated with braids or sheath as required Cross-linked polyethylene, PVC or Hypalon jacket Teflon, asbestos, glass braid 250°C
	VG Silicone AA	Varnished glass tapes, glass or nylon braid Rubber insulated with braids or sheath Asbestos insulation, asbestos braid
	FOR PIPE HEATING	Silicone rubber, Teflon, asbestos, reffasil
	FOR INSTRUMENTATION	Coaxial cables, special construction for customers' requirements
	FOR SWITCHBOARDS	Asbestos, PVC, cotton braid Asbestos, V.C., cotton braid PVC, cotton braid Single or multiple conductor Cross-linked polyethylene
FOR COMPUTERS	Teflon PVC	With Teflon or PVC jacket, shielded where required
FOR TEMPERATURE MONITORING	Asbestos Silicone Teflon PVC	Thermocouple or thermocouple extension leads
FOR RADIATION		Inorganic insulations, single and multiconductor

FIRE RESISTANT CABLES FOR MODERNIZATION

INCREASED CURRENT CARRYING CAPACITY IN SMALLER CABLE DIAMETER



A Comparison of Ampacities and Diameters for Silicone-Glass Reinforced Cables versus Butyl Neoprene Insulations

SILICONE RUBBER-GLASS REINFORCED POWER CABLES

Voltage: 600 and 5000
Ambient: 40°C

SIZE MCM	OVERALL DIAMETER - inches				AMPACITY - amperes		
	90°C Butyl Insulation		Silicone Rubber - Glass Reinforced Insulation		90°C Butyl Insulation	Silicone Rubber - Glass Reinforced Insulation	Possible Increase in Current
	600V	5000V	600V	5000V			
500	1.14	1.31	1.035	1.135	393	485	23%
600	1.25	1.38	1.115	1.215	435	540	24%
700	1.32	1.45	1.185	1.285	471	585	24%
750	1.35	1.49	1.220	1.320	489	608	24%
800	1.38	1.54	1.250	1.350	503	631	25%
900	1.44	1.63	1.315	1.415	531	672	26%
1000	1.51	1.72	1.375	1.475	560	711	27%

Represented by:

Gulton

Continental Wire & Cable Division

Gulton Industries Inc.

Catalog W107b

York, Pennsylvania 17405
Tel. (717) 792-2644 TWX 510-657-4847

RBB 00097