



National Institute for the Uniform Licensing of Power Engineers, Inc.
PO BOX 16369
Pittsburgh, PA 15242-0369

SCHEDULE "B"

NIULPE Certification Standards

Exam Number	Examination Title		Exam Number	Examination Title	
1	Power Engineer (Technical Instructor)		39	Compressor Plant Operator (2nd Class)	
2	Power Engineer (Examiner)		40	Diesel Plant Operator (1st Class)	
3	Power Engineer (Chief)		41	Diesel Plant Operator (2nd Class)	
4	Power Engineer (1st Class)		42	International Power Engineer (1st Class)	
5	Power Engineer (2nd Class)		43	International Power Engineer (2nd Class)	
6	Power Engineer (3rd Class)		44	International Power Engineer (3rd Class)	
7	Power Engineer (4th Class)		45	International Power Engineer (4th Class)	
8	Power Engineer (5th Class)		46	International Power Engineer (5th Class)	
9	Traction (Vintage)		47	Power Engineer (Proctor)	
10	Boiler Operator LP		48	Green Facility Operator	
11	Boiler Operator (Utility)		49	Green Facility Manager	
12	Steam Boiler Operator HP (1st Class)		50	Refrigeration Plant Operator Ammonia (3rd Class)	
13	Steam Boiler Operator HP (2nd Class)		51	Stationary Engineer 1st Class	
14	Steam Boiler Operator HP (3rd Class)		52	Stationary Engineer 2nd Class	
15	Water Treatment Plant Operator (1st Class)		53	Stationary Engineer 3rd Class	
16	Water Treatment Plant Operator (2nd Class)		54	Water Treatment Plant Manager	
17	Waste Water Plant Operator (1st Class)		55	Refrigeration Plant Operator – Recreation	
18	Waste Water Plant Operator (2nd Class)		56	Facility Operator Certification Series (25)	
19	Combined Cycle Plant Operator (1st Class)		57	Thermal Power Plant Engineer (1st Class)	
20	Combined Cycle Plant Operator (2nd Class)		58	Thermal Power Plant Engineer (2nd Class)	
21	Combined Cycle Plant Operator (3rd Class)		59	Thermal Power Plant Operator	
22	Registered Academic Instructor		60	Stationary Engineer (1st Class) – MI Prep	
23	Refrigeration Plant Operator (1st Class)		61	Stationary Engineer (2nd Class) – MI Prep	
24	Refrigeration Plant Operator (2nd Class)		62	Stationary Engineer (3rd Class) – MI Prep	
25	Refrigeration Plant Operator (3rd Class)		63	Facility Engineer 1st Class	
26	Refrigeration Plant Operator Ammonia (1st Class)		64	Facility Engineer 2nd Class	
27	Refrigeration Plant Operator Ammonia (2nd Class)		65	Facility Engineer 3rd Class	
28	Electric Generation Plant Operator (1st Class)		66	Plant Management Engineer	
29	Electric Generation Plant Operator (2nd Class)		67	Plant Environmental Manager	
30	Steam Turbine Operator (1st Class)		68	Engineer (1st Class) – MA Prep	
31	Steam Turbine Operator (2nd Class)		69	Engineer (2nd Class) – MA Prep	
32	Gas Turbine Operator (1st Class)		70	Engineer (3rd Class) – MA Prep	
33	Gas Turbine Operator (2nd Class)		71	Fireman (1st Class) – MA Prep	
34	Hot Water Generation Operator (1st Class)		72	Fireman (2nd Class) – MA Prep	
35	Hot Water Generation Operator (2nd Class)		73	Process Operator	
36	HVAC Plant Operator (1st Class)		74	Operating Safety	
37	HVAC Plant Operator (2nd Class)		75-99	Facility Operator Series – Schedule "C"	25 Units
38	Compressor Plant Operator (1st Class)			Non-Curriculum Focused Syllabi	



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SCHEDULE "C"

NIULPE Facility Operator Series

Exam Number	Examination Title				
75	Preparatory Math Topics				
76	Elementary Physical, Chemical, & Thermodynamic Principles				
77	Introduction to Power Engineering and its Governance				
78	Introduction to Plant and Fire Safety				
79	Introduction to Plant Operations & the Environment				
80	Elements of Material Science & Welding Technology				
81	Introductory Fluid Handling Technology				
82	Basic Concepts in Electrotechnology				
83	Energy Plant Instrumentation and Controls				
84	Fundamental Industrial Communication Skills				
85	Introduction to Boiler Designs				
86	Elements of Boiler Systems				
87	Lubrication and Bearings				
88	Pumps and Compressors				
89	Boiler Safety Devices				
90	Boiler Plant Operation and Management				
91	Energy Plant Maintenance				
92	Water Treatment				
93	Types of Prime Movers and Heat Engines				
94	Plant Auxiliary Systems				
95	Basic Concepts of Compression & Absorption Refrigeration				
96	HVAC Fundamentals for Facility Operators				
97	Building Environmental Systems and Control				
98	Typical Industrial Plant Configurations				
99	Elementary Mechanics and Dynamics				



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NIULPE, INC.

SCHEDULE "B"

























NIULPE CERTIFICATION STANDARDS

Item	Description	Code	Item	Description	Code
1	Power Engineer (Technical Instructor)		30	Steam Turbine Operator (1 st Class)	
2	Power Engineer (Examiner)		31	Steam Turbine Operator (2 nd Class)	
3	Power Engineer (Chief)		32	Gas Turbine Operator (1 st Class)	
4	Power Engineer (1 st Class)		33	Gas Turbine Operator (2 nd Class)	
5	Power Engineer (2 nd Class)		34	Hot Water Generation Operator (1 st Class)	
6	Power Engineer (3 rd Class)		35	Hot Water Generation Operator (2 nd Class)	
7	Power Engineer (4 th Class)		36	HVAC Plant Operator (1 st Class)	
8	Power Engineer (5 th Class)		37	HVAC Plant Operator (2 nd Class)	
9	Traction (Vintage)		38	Compressor Plant Operator (1 st Class)	
10	Boiler Operator LP		39	Compressor Plant Operator (2 nd Class)	
11	Steam Boiler Operator (Utility)		40	Diesel Plant Operator (1 st Class)	
12	Steam Boiler Operator HP (1 st Class)		41	Diesel Plant Operator (2 nd Class)	
13	Steam Boiler Operator HP (2 nd Class)		42	International Power Engineer (1 st Class)	
14	Water Treatment Plant Manager		43	International Power Engineer (2 nd Class)	
15	Water Treatment Plant Operator (1 st Class)		44	International Power Engineer (3 rd Class)	
16	Water Treatment Plant Operator (2 nd Class)		45	International Power Engineer (4 th Class)	
17	Waste Water Plant Operator (1 st Class)		46	International Power Engineer (5 th Class)	
18	Waste Water Plant Operator (2 nd Class)		47	Power Engineer (Proctor)	
19	Combined Cycle Plant Operator (1 st Class)		48	Green Facility Operator	
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21	Combined Cycle Plant Operator (3 rd Class)		50	Refrigeration Plant Operator Ammonia (3 rd Class)	
22	Registered Academic Instructor		51	Stationary Engineer 1st Class	
23	Refrigeration Plant Operator (1 st Class)		52	Stationary Engineer 2nd Class	
24	Refrigeration Plant Operator (2 nd Class)		53	Stationary Engineer 3rd Class	
25	Refrigeration Plant Operator (3 rd Class)				
26	Refrigeration Plant Operator Ammonia (1 st Class)				
27	Refrigeration Plant Operator Ammonia (2 nd Class)				
28	Electric Generation Plant Operator (1 st Class)				
29	Electric Generation Plant Operator (2 nd Class)				



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NIULPE Facility Operator Series

Exam Number	Examination Title	Syllabus Link	Exam Number	Examination Title	Syllabus Link
56	Preparatory Math Topics E				
57	Elementary Physical, Chemical, & Thermodynamic Principles				
58	Introduction to Power Engineering and its Governance				
59	Introduction to Plant and Fire Safety				
60	Introduction to Plant Operations & the Environment				
61	Elements of Material Science & Welding Technology				
62	Introductory Fluid Handling Technology				
63	Basic Concepts in Electro Technology				
64	Energy Plant Instrumentation and Controls				
65	Fundamental Industrial Communication Skills				
66	Introduction to Boiler Designs				
67	Elements of Boiler Systems				
68	Lubrication and Bearings				
69	Pumps and Compressors				
70	Boiler Safety Devices				
71	Boiler Plant Operation and Management				
72	Energy Plant Maintenance				
73	Water Treatment				
74	Types of Prime Movers and Heat Engines				
75	Plant Auxiliary Systems				
76	Basic Concepts of Compression & Absorption Refrigeration				
77	HVAC Fundamentals for Facility Operators				
78	Building Environmental Systems and Control				
79	Typical Industrial Plant Configurations				
80	Elementary Mechanics and Dynamics	