



LAST REVIEW DATE:

REVIEW CYCLE:
5 Years

SPECIFICATION: G-8199-7-IG

**TITLE: QUALIFICATION OF INSTALLERS WHO
JOIN PLASTIC PIPE/TUBING WITH
MECHANICAL FITTINGS**

VOLUME: 2 (Section 7.0) and 10

REGISTRATION NO: GAS0275

**TARGET TRAINING
GROUPS: GAS CONSTRUCTION, EMERGENCY
RESPONSE FORCE (ERF), PER DIEM,
CONSTRUCTION ~~MANAGEMENT~~,
CONSTRUCTION CONTRACORS, GAS
CONTRACTORS, AND GAS DEVELOPMENT
LAB**

REVISIONS: (See ★)



Gas Operations Standards

★ TITLE: QUALIFICATION OF INSTALLERS WHO JOIN PLASTIC PIPE/TUBING WITH MECHANICAL FITTINGS

This Interim Guideline shall apply to the annual requalification of employees and contractor employees, notwithstanding provisions in Specification G-8195-7 “QUALIFICATION OF CONTRACTORS’ MAINTENANCE ENGINEERS AND FIELD SUPERVISORS ENGAGED IN GAS MAINTENANCE/INSTALLATION OF MAINS AND/OR SERVICES.”

Effective immediately, Sections 3.5, 5.1, 5.2, and 6.4 of G-8199-7 are revised to read as follows:

3.5 ~~The~~ Each specimen mechanical joint (~~test coupling or fitting~~ See Section 4.2) shall be visually examined by a Learning Center instructor, NGA inspector, or a qualified supervisor during and after assembly and found to be ~~have the same appearance as a joint or photographs of a joint that is~~ acceptable as per the installation procedures outlined in Specification IP-20 and the manufacturer’s installation guidelines, and, if applicable, to have the same appearance as a joint or photographs of a joint that is acceptable.

5.1 12 Month Requalification ~~Method~~

A) Every 12 months an installer must be requalified and documented by a qualified supervisor, NGA inspector, or Learning Center instructor. (See Attachment A)

The qualified supervisor, NGA inspector, or Learning Center instructor shall witness and document that the installer has made an acceptable mechanical joint of each required type (see Section 4.2) during the 12 month period at an actual field installation, a workout location, or the Learning Center. Each mechanical joint shall be visually examined during and after assembly and found to be ~~have the same appearance as a joint or photographs of a joint that is~~ acceptable as per the installation procedures outlined in Specification IP-20 and the manufacturer’s installation guidelines, and, if applicable, to have the same appearance as a joint or photographs of a joint that is acceptable. Reasons for failing the 12 month requalification are included in Section 6.1 B).

ENVIRONMENTAL REVIEW BY: N. Giraldi		SAFETY REVIEW BY: N. Giraldi		
PREPARED BY:	APPROVED BY:	DATE:	VOLUME:	PAGE 1 OF
M. Baldovin	Leonard P. Singh Chief Gas Engineer Gas Distribution Engineering	5/29/2014	2 (Section 7.0) and 10 Construction Standards, O&M Manual	2 PAGES



**TITLE: QUALIFICATION OF FITTERS WHO JOIN PLASTIC
PIPE/TUBING WITH MECHANICAL
COUPLINGS/FITTINGS**

5.1 12 Month Requalification ~~Method~~ (Cont'd)

C) All documentation for Company and Per Diem installers shall be maintained by the ~~responsibility of the~~ responsible ~~respective~~ Gas Organization (See Attachment A) and shall be forwarded to the Gas Training Group for entry into the Training Registration System.

All documentation for contractor installers shall be maintained by ~~the~~ ~~responsibility of~~ the respective contractor (if the 12 month requalification ~~method~~ is done by a qualified supervisor) and shall be forwarded to the Gas Training Group for entry into the Training Registration System.

If the 12 month requalification ~~method~~ is done by a Learning Center instructor ~~or NGA inspector~~, the Learning Center shall be responsible for the documentation and entry into the Training Registration System.

5.2 Three (3) Year Operator Requalification

A) All operator qualified installers shall be requalified every three (3) years only by Learning Center Instructors ~~or NGA inspectors~~. This three (3) year operator requalification shall require the installer to pass a written test and to fabricate mechanical fittings as per Section 4.2.

6.4 In the event of ~~failure of the written and/or practical tests during~~ ~~disqualification of~~ the initial operator qualification or requalification (12 month or 3 year), the installer shall undergo remediation before being permitted to qualify/requalify.

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LAST REVIEW DATE:
12/16/13

REVIEW CYCLE:
5 Years

SPECIFICATION: G-8199-7

★ **TITLE:** QUALIFICATION OF INSTALLERS WHO JOIN PLASTIC PIPE/TUBING WITH MECHANICAL FITTINGS

VOLUME: 2 (Section 7.0) and 10

REGISTRATION NO: GAS0275

★ **TARGET TRAINING GROUPS:** GAS CONSTRUCTION, EMERGENCY RESPONSE FORCE (ERF), PER DIEM, CONSTRUCTION MANAGEMENT, GAS CONTRACTORS, AND GAS DEVELOPMENT LAB

REVISIONS: (See ★)

- 1) Title Page - Revised Title. Added Per Diem to Target Training Groups.
- 2) This specification has been rewritten in its entirety.



Gas Operations Standards

★ **TITLE: QUALIFICATION OF INSTALLERS WHO JOIN PLASTIC PIPE/TUBING WITH MECHANICAL FITTINGS**

EFFECTIVE DATE: January 16, 2014

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ENVIRONMENTAL REVIEW BY: N. Giraldi		SAFETY REVIEW BY: N. Giraldi		
PREPARED BY:	APPROVED BY:	DATE:	VOLUME:	PAGE 1 OF
V.S. Weidemann	Leonard Singh Chief Gas Engineer Gas Distribution Engineering	12/16/13	2 (Section 7.0) and 10 Construction Standards, O&M Manual	7 PAGES



**TITLE: QUALIFICATION OF INSTALLERS WHO JOIN
PLASTIC PIPE/TUBING WITH MECHANICAL FITTINGS**

1.0 **SCOPE**

This specification establishes the procedure and test requirements for operator qualification and the 12 month and three (3) year requalification methods for joining plastic pipe/tubing with mechanical fittings for gas mains and services.

2.0 **LEGAL REQUIREMENTS**

This procedure is in full compliance with the applicable sections stipulated in:

- Code of Federal Regulations, Title 49, Part 192, "Transportation of Natural and Other Gas by Pipeline" Minimum Federal Safety Standards."
- Rules and Regulations of the State of New York, Public Service Commission, 16 NYCRR Part 255, "Transmission and Distribution of Gas."

3.0 **GENERAL REQUIREMENTS**

3.1 To tap an energized pipeline, weld steel, and join plastic pipe by butt fusion, electrofusion, or with mechanical fittings, installers themselves must be Operator Qualified. To join polyethylene (PE) plastic pipe/tubing with mechanical fittings, the installer must also be in compliance with the 12 month requalification stipulated in this specification. All mechanical joints must be fabricated in accordance with the installation procedures outlined in Specification IP-20, "Installation of Mechanical Fittings for Plastic Pipe and Tubing".

NOTE: An installer who is not operator qualified or out of compliance with the 12 month qualification **cannot** perform mechanical joining of plastic pipe/tubing and fittings, even if under the direction and observation of one who is qualified to perform mechanical joining of plastic pipe/tubing and fittings.

3.2 A qualified supervisor is a person who has been certified by appropriate training or experience in evaluating the acceptability of mechanical plastic joints made in accordance with Specification IP-20 **and** has taken the Performance Evaluator course (TSC0003) at The Learning Center.

3.3 A qualified inspector is a Company employee who has been certified by appropriate training in evaluating the acceptability of mechanical plastic joints made in accordance with Specification IP-20 **and** has taken the Pipe Joint Fabrication Inspector course (CCM0003) at the Learning Center.



**TITLE: QUALIFICATION OF INSTALLERS WHO JOIN
PLASTIC PIPE/TUBING WITH MECHANICAL FITTINGS**

3.0 GENERAL REQUIREMENTS (Continued)

- 3.4 Learning Center instructors, qualified supervisors, qualified inspectors, and installers required to wear corrective lenses, must wear same to ensure proper inspection for each and every completed mechanical fitting.
- 3.5 The specimen mechanical joint (test coupling or fitting) shall be visually examined by a Learning Center instructor or a qualified supervisor during and after assembly and found to have the same appearance as a joint or photographs of a joint that is acceptable as per the installation procedures outlined in Specification IP-20 and the manufacturer's installation guidelines.

4.0 INITIAL OPERATOR QUALIFICATION REQUIREMENTS

- 4.1 Learning Center instructors shall train installers on the installation procedures for Company approved restraining-type mechanical fittings as per Specification IP-20. Learning Center instructors shall evaluate and document the initial operator qualification of new installers.
- 4.2 The initial operator qualification shall require the new installer to fabricate test joints using Company approved mechanical fittings for each of the following (any size):
- Service tee connection at metallic main
 - Service head adapter
 - Metallic body restraining coupling
 - Plastic body coupling/fitting
- 4.3 Each specimen mechanical joint (test coupling or fitting) shall be visually examined by a Learning Center instructor during and after assembly and found to have the same appearance as a joint or photographs of a joint that is acceptable as per the installation procedures outlined in Specification IP-20 and the manufacturer's installation guidelines.



**TITLE: QUALIFICATION OF INSTALLERS WHO JOIN
PLASTIC PIPE/TUBING WITH MECHANICAL FITTINGS**

4.0 INITIAL OPERATOR QUALIFICATION REQUIREMENTS (Continued)

4.4 For mechanical fittings approved for use by the Company after the installer’s initial qualification, the installer must receive training and the initial operator qualification for that fitting prior to field usage. The training and initial operator qualification on the newly approved mechanical fittings shall be performed and documented by either a:

- Learning Center instructor,
- Qualified supervisor, or
- Gas Development Lab personnel

The manufacturer’s representative may do the initial training and operator qualification on the newly approved mechanics, but it must be witnessed and documented by either a Learning Center instructor, qualified supervisor, or Gas Development Lab personnel.

5.0 12 MONTH AND 3 YEAR OPERATOR REQUALIFICATION REQUIREMENTS

5.1 12 Month Requalification Method

A) Every 12 months an installer must be requalified and documented by a qualified supervisor or Learning Center instructor. (See Attachment A)

The qualified supervisor or Learning Center instructor shall witness and document that the installer has made an acceptable mechanical joint of each required type (see Section 4.2) during the 12 month period at an actual field installation, a workout location, or the Learning Center. Each mechanical joint shall be visually examined during and after assembly and found to have the same appearance as a joint or photographs of a joint that is acceptable as per the installation procedures outlined in Specification IP-20 and the manufacturer’s installation guidelines.

B) A previously operator qualified or 12 month requalified installer must be requalified if their supervisor recommends that the installer be requalified. Supervisors are to notify the Learning Center and the Gas Training Group if they have reason to believe that any of their subordinates are no longer qualified (e.g., installer’s performance has been observed or reported as inadequate; prolonged absence).



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**TITLE: QUALIFICATION OF INSTALLERS WHO JOIN
PLASTIC PIPE/TUBING WITH MECHANICAL FITTINGS**

5.0 12 MONTH AND 3 YEAR OPERATOR REQUALIFICATION REQUIREMENTS
(Continued)

- B) The 12 month requalification satisfies the requirements when an installer during any 12-month period:
- Does not make any mechanical joints under the procedure; or
 - If 3 mechanical joints or 3 percent of the mechanical joints made under the procedure, whichever is greater, fail the pressure test.
- C) All documentation for Company and Per Diem installers shall be the responsibility of the respective Gas Organization (See Attachment A) and shall be forwarded to the Gas Training Group for entry into the Training Registration System.

All documentation for contractor installers shall be the responsibility of the respective contractor (if the 12 month requalification method is done by a qualified supervisor) and shall be forwarded to the Gas Training Group for entry into the Training Registration System.

If the 12 month requalification method is done by a Learning Center instructor, the Learning Center shall be responsible for the documentation and entry into the Training Registration System.

5.2 Three (3) Year Operator Requalification

- A) All operator qualified installers shall be requalified every three (3) years only by Learning Center Instructors. This three (3) year operator requalification shall require the installer to pass a written test and to fabricate mechanical fittings as per Section 4.2.
- B) All documentation of the three (3) year operator requalification shall be the responsibility of the Learning Center.

6.0 DISQUALIFICATION

6.1 Reasons for failing either the initial operator qualification or requalification (12 month or three year) test shall include but not be limited to the following:

- A) Written Test

Failure of the written test (not applicable to 12 month requalification). This precludes taking the practical test.



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PLASTIC PIPE/TUBING WITH MECHANICAL FITTINGS**

6.0 **DISQUALIFICATION** (Continued)

B) **Practical Test**

- Failure to check the plastic pipe/tubing for scratches or defects.
- Failure to mark the correct insertion depth on the plastic pipe/tubing.
- Installing the coupling without a stiffener or with the wrong stiffener (if required).
- Failure to fully insert the plastic pipe/tubing into the coupling/fitting.
- Failure to follow the installation procedure outlined in IP-20.
- Installing a mechanical fitting **directly** onto a plastic molded fitting (without pup lengths of pipe or tubing).
- The mechanical joint does not appear similar to a sample joint. (See Section 4.3).
- Failure to mark the fitting itself, or the pipe/tubing adjacent to the mechanical fitting at "12 o'clock" (or as close as possible to 12 o'clock) to identify the installer.
- Failure to chamfer the edge of the plastic tubing prior to inserting into coupling/fitting (if applicable).

6.2 Failure to comply with the 12 month requalification method shall **immediately disqualify** the installer from performing any type of mechanically joining plastic, even though, the installer is operator qualified. The disqualified installer must then be requalified either at the workout location or the Learning Center. The disqualified installer **cannot** be requalified at an actual field installation. (See Attachment C for examples)

6.3 Failure to comply with the three (3) year requalification method shall **immediately disqualify** the installer from performing any type of mechanically joining of plastic. The disqualified installer must be requalified only at the Learning Center. (See Attachment C for examples)

6.4 In the event of disqualification of the initial operator qualification or requalification (12 month or 3 year), the installer shall undergo remediation before being permitted to qualify/requalify.

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**TITLE: QUALIFICATION OF INSTALLERS WHO JOIN
PLASTIC PIPE/TUBING WITH MECHANICAL FITTINGS**

7.0 IDENTIFICATION CARDS

- 7.1 Each operator qualified installer (Company or contractor), supervisor, and inspector shall be issued an identification card listing their particular qualifications and/or limitations. (See Attachment B)
- 7.2 The Operator Qualification identification card shall be in the possession of the qualified installer, supervisor, or inspector whenever performing or inspecting a qualified function, including the joining of PE plastic pipe/tubing by mechanical fittings (See Attachment B).
- 7.3 The applicable identification card issued by the Learning Center shows 3 years (e.g. 2014, 2015, and 2016), 12 months (e.g. January, February, etc.) and 31 days (e.g. 1, 2, 3 etc.). The 12 month requalification date will require three punch-outs (year, month and date) for **each** 12 month requalification date. (See Attachment B)

8.0 REFERENCES

- G-8212 Operator Qualification Compliance Program
- IP-20 Installation of Mechanical Fittings For Plastic Pipe and Tubing
- Con Edison's Operator Qualification Written Plan

9.0 ATTACHMENTS

- Attachment A 12 Month Requalification for Mechanical Joining of PE Plastic Pipe/Tubing, As Per Specification G-8199
- Attachment B Examples of Operator Qualification Identification Cards Issued by the Learning Center
- Attachment C Examples of 12 Month and 3 Year Disqualification Due to Failure to Comply with Time Frame



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Attachment A

**12 MONTH REQUALIFICATION METHOD FOR MECHANICAL JOINING OF
PLASTIC PIPE/TUBING, AS PER SPECIFICATION G-8199**

INSTALLER NAME _____ **EMPLOYEE #** _____

DATE _____

LOCATION _____

As per Specification G-8199, the above named installer is in compliance with the 12 month requalification method by performing the following:


PASS	FAIL	
		Service Connection on Metallic Pipe
		Service Head Adapter
		Metallic Body Restraining Coupling
		Plastic Body Coupling/Fitting

COMMENTS (if any)

**QUALIFIED SUPERVISOR'S SIGNATURE
& EMPLOYEE ID #**

DATE


Attachment B

	GAS CONSTRUCTION MECHANIC A GCO-0500
Name:	Emp #:
Area:	Training Mgr: T. Edison
OPERATOR QUALIFICATION	
Issued:	Expires:
This card must be carried at all times.	
Qualified Functions	
HP Tapping <input checked="" type="checkbox"/>	* Mech. Fittings <input checked="" type="checkbox"/>
LP Tapping <input checked="" type="checkbox"/>	FR2 <input checked="" type="checkbox"/>
Service Work <input checked="" type="checkbox"/>	Valve Inspection <input checked="" type="checkbox"/>
Main Cut-Out <input checked="" type="checkbox"/>	CNG Cart <input checked="" type="checkbox"/>
Cutting Tools <input checked="" type="checkbox"/>	Leak Investigation <input checked="" type="checkbox"/>
Catch on the fly <input checked="" type="checkbox"/>	* Electrofusion <input checked="" type="checkbox"/>
Corrosion <input checked="" type="checkbox"/>	* 8" Butt Fusion & < <input checked="" type="checkbox"/>
Relights <input checked="" type="checkbox"/>	* Sidewall Fusion <input checked="" type="checkbox"/>
Excavating & Backfilling <input checked="" type="checkbox"/>	* 12" Butt Fusion <input checked="" type="checkbox"/>
* See Appendix A for annual re-qualification	

Con Edison	* (Appendix A) Mechanic A Annual Fusion & Mech. Fittings
Name:	
I.D. #:	Area:
Training Mgr: T. Edison	
<input checked="" type="checkbox"/> Butt Fusion 8" + <	<input checked="" type="checkbox"/> Electrofusion
<input checked="" type="checkbox"/> Sidewall Fusion	<input checked="" type="checkbox"/> 12" Butt fusion
<input checked="" type="checkbox"/> Mechanical Fittings	
Course Code: GCO0500	Issued:
Failure to comply with this 12 month requalification shall immediately disqualify the fitter from performing any type of joining plastic, even though, the fitter is operator qualified.	


2013 12 MO. PE TEST				2014 12 MO. PE TEST				2015 12 MO. PE TEST			
JAN	FEB	MAR	APR	JAN	FEB	MAR	APR	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	MAY	JUN	JUL	AUG	MAY	JUN	JUL	AUG
SEP	OCT	NOV	DEC	SEP	OCT	NOV	DEC	SEP	OCT	NOV	DEC
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29	30	31		29	30	31		29	30	31	

Attachment B

	GAS CONSTRUCTION MECHANIC B GCO-0501		
Name:	Emp #:		
Area:	Training Mgr: T. Edison		
OPERATOR QUALIFICATION			
Issued:	Expires:		
This card must be carried at all times.			
Qualified Functions			
FR2	<input checked="" type="checkbox"/>	Valve Inspection	<input checked="" type="checkbox"/>
* CNG Cart	<input checked="" type="checkbox"/>	* Leak Investigation	<input checked="" type="checkbox"/>
* Main Cut-Out	<input checked="" type="checkbox"/>	Corrosion Control	<input checked="" type="checkbox"/>
* Service Work	<input checked="" type="checkbox"/>	* Catching on the fly	<input checked="" type="checkbox"/>
* LP Tapping	<input checked="" type="checkbox"/>	* Cutting Tools	<input checked="" type="checkbox"/>
* HP Tapping	<input checked="" type="checkbox"/>	Thermoweld	<input checked="" type="checkbox"/>
** Mech Fittings	<input checked="" type="checkbox"/>	Excavating & Backfilling	<input checked="" type="checkbox"/>
* Function must be performed under the constant observation of an operator-qualified Mechanic A * See Appendix B for annual re-qualification			


Con Edison * (Appendix B) Mechanic B Annual Fusion & Mech. Fittings																																																																																																																																																			
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Attachment B

		GAS CONSTRUCTION SUPERVISOR GCO-0514	
Name:		Emp #:	
Area:	Training Mgr: T. Edison		
OPERATOR QUALIFICATION			
Issued:		Expires:	
This card must be carried at all times.			
Qualified Functions			
HP Tapping	<input checked="" type="checkbox"/>	* Mech. Fittings	<input checked="" type="checkbox"/>
LP Tapping	<input checked="" type="checkbox"/>	FR2	<input checked="" type="checkbox"/>
Service Work	<input checked="" type="checkbox"/>	Valve Inspection	<input checked="" type="checkbox"/>
Main Cut-Out	<input checked="" type="checkbox"/>	CNG Cart	<input checked="" type="checkbox"/>
Cutting Tools	<input checked="" type="checkbox"/>	Leak Investigation	<input checked="" type="checkbox"/>
Catch on the fly	<input checked="" type="checkbox"/>	* Electrofusion	<input checked="" type="checkbox"/>
Corrosion	<input checked="" type="checkbox"/>	* 8" Butt Fusion & <	<input checked="" type="checkbox"/>
Relights	<input checked="" type="checkbox"/>	* Sidewall Fusion	<input checked="" type="checkbox"/>
Excavating & Backfilling	<input checked="" type="checkbox"/>	* 12" Butt Fusion	<input checked="" type="checkbox"/>
* See Appendix A for annual re-qualification			

Con * (Appendix A) Const. Supervisor											
Edison Annual Fusion & Mech. Fittings											
Name:											
I.D. # :						Division:					
Training Mgr: T. Edison											
<input checked="" type="checkbox"/>	Butt Fusion 8" + <					<input checked="" type="checkbox"/>	Electrofusion				
<input checked="" type="checkbox"/>	Sidewall Fusion					<input checked="" type="checkbox"/>	12" Butt fusion				
<input checked="" type="checkbox"/>	Mechanical Fittings										
Course Code: GCO0514						Issued:					
Failure to comply with this 12 month requalification shall immediately disqualify the fitter from performing any type of joining plastic, even though, the fitter is operator qualified.											
2013 12 MO.PE TEST				2014 12 MO.PE TEST				2015 12 MO.PE TEST			
JAN	FEB	MAR	APR	JAN	FEB	MAR	APR	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	MAY	JUN	JUL	AUG	MAY	JUN	JUL	AUG
SEP	OCT	NOV	DEC	SEP	OCT	NOV	DEC	SEP	OCT	NOV	DEC
1	2	3	4	1	2	3	4	1	2	3	4
5	6	7	8	5	6	7	8	5	6	7	8
9	10	11	12	9	10	11	12	9	10	11	12
13	14	15	16	13	14	15	16	13	14	15	16
17	18	19	20	17	18	19	20	17	18	19	20
21	22	23	24	21	22	23	24	21	22	23	24
25	26	27	28	25	26	27	28	25	26	27	28
29	30	31		29	30	31		29	30	31	


Attachment B

	GAS DEVELOPMENT LAB MECHANIC A GDL-0500
Name:	Emp #:
Area:	Training Mgr: T. Edison
OPERATOR QUALIFICATION	
Issued:	Expires:
This card must be carried at all times.	
Qualified Functions	
* Mechanical Fittings	<input checked="" type="checkbox"/>
* Electrofusion	<input checked="" type="checkbox"/>
* 8" Butt Fusion & <	<input checked="" type="checkbox"/>
* Sidewall Fusion	<input checked="" type="checkbox"/>
* 12" Butt Fusion	<input checked="" type="checkbox"/>
* See Appendix A for annual re-qualification	

Con * (Appendix A) Mechanic A Edison Annual Fusion & Mech. Fittings	
Name:	
I.D. # :	Area:
Training Mgr: T. Edison	
<input checked="" type="checkbox"/> Butt Fusion 8" + <	<input checked="" type="checkbox"/> Electrofusion
<input checked="" type="checkbox"/> Sidewall Fusion	<input checked="" type="checkbox"/> 12" Butt fusion
<input checked="" type="checkbox"/> Mechanical Fittings	
Course Code: GDL0500	Issued:
Failure to comply with this 12 month requalification shall immediately disqualify the fitter from performing any type of joining plastic, even though, the fitter is operator qualified.	


2011 12 MO.PE TEST				2012 12 MO.PE TEST				2013 12 MO.PE TEST			
JAN	FEB	MAR	APR	JAN	FEB	MAR	APR	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	MAY	JUN	JUL	AUG	MAY	JUN	JUL	AUG
SEP	OCT	NOV	DEC	SEP	OCT	NOV	DEC	SEP	OCT	NOV	DEC
1	2	3	4	1	2	3	4	1	2	3	4
5	6	7	8	5	6	7	8	5	6	7	8
9	10	11	12	9	10	11	12	9	10	11	12
13	14	15	16	13	14	15	16	13	14	15	16
17	18	19	20	17	18	19	20	17	18	19	20
21	22	23	24	21	22	23	24	21	22	23	24
25	26	27	28	25	26	27	28	25	26	27	28
29	30	31		29	30	31		29	30	31	


Attachment B


		GAS CONSTRUCTION CONTRACTOR MECH GCO-0502	
Name:		Emp #:	
Area:	Training Mgr: T. Edison		
OPERATOR QUALIFICATION			
Issued:		Expires:	
This card must be carried at all times.			
Qualified Functions			
HP Tapping	<input checked="" type="checkbox"/>	* Mech. Fittings	<input checked="" type="checkbox"/>
LP Tapping	<input checked="" type="checkbox"/>	FR2	<input checked="" type="checkbox"/>
Service Work	<input checked="" type="checkbox"/>	Valve Inspection	<input checked="" type="checkbox"/>
Main Cut-Out	<input checked="" type="checkbox"/>	CNG Cart	<input checked="" type="checkbox"/>
Cutting Tools	<input checked="" type="checkbox"/>	Leak Investigation	<input checked="" type="checkbox"/>
Catch on the fly	<input checked="" type="checkbox"/>	* Electrofusion	<input checked="" type="checkbox"/>
Corrosion	<input checked="" type="checkbox"/>	* 8" Butt Fusion & <	<input checked="" type="checkbox"/>
Relights	<input checked="" type="checkbox"/>	* Sidewall Fusion	<input checked="" type="checkbox"/>
Excavating & Backfilling	<input checked="" type="checkbox"/>	* 12" Butt Fusion	<input checked="" type="checkbox"/>
* See Appendix A for annual re-qualification			


Con * (Appendix A) Gas Contractor											
Edison Annual Fusion & Mech. Fittings											
Name:											
I.D. # :						Area:					
Training Mgr: T. Edison											
<input checked="" type="checkbox"/>	Butt Fusion 8" + <					<input checked="" type="checkbox"/>	Electrofusion				
<input checked="" type="checkbox"/>	Sidewall Fusion					<input checked="" type="checkbox"/>	12" Butt fusion				
<input checked="" type="checkbox"/>	Mechanical Fittings										
Course Code: GCO0502						Issued:					
Failure to comply with this 12 month requalification shall immediately disqualify the fitter from performing any type of joining plastic, even though, the fitter is operator qualified.											
2013 12 MO.PE TEST				2014 12 MO.PE TEST				2015 12 MO.PE TEST			
JAN	FEB	MAR	APR	JAN	FEB	MAR	APR	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	MAY	JUN	JUL	AUG	MAY	JUN	JUL	AUG
SEP	OCT	NOV	DEC	SEP	OCT	NOV	DEC	SEP	OCT	NOV	DEC
1	2	3	4	1	2	3	4	1	2	3	4
5	6	7	8	5	6	7	8	5	6	7	8
9	10	11	12	9	10	11	12	9	10	11	12
13	14	15	16	13	14	15	16	13	14	15	16
17	18	19	20	17	18	19	20	17	18	19	20
21	22	23	24	21	22	23	24	21	22	23	24
25	26	27	28	25	26	27	28	25	26	27	28
29	30	31		29	30	31		29	30	31	

Attachment B

		PE PIPE FITTER	
		GCO-4009	
Name:		Emp #:	
Area:	Training Mgr: T. Edison		
OPERATOR QUALIFICATION			
Issued:		Expires:	
This card must be carried at all times.			
Qualified Functions			
		<input type="checkbox"/>	
Butt Fusion (12" & Smaller)		<input checked="" type="checkbox"/>	
Mechanical Fittings		<input checked="" type="checkbox"/>	
Sidewall Fusion		<input checked="" type="checkbox"/>	
Electrofusion		<input checked="" type="checkbox"/>	
Pressure Test		<input checked="" type="checkbox"/>	
Tracer Wire		<input checked="" type="checkbox"/>	
Excavating & Backfilling		<input checked="" type="checkbox"/>	
CONTRACTOR – DEAD CONDITIONS ONLY			

		CONSTRUCTION MANAGEMENT INSPECTOR	
		CCM-0003	
Name:		Emp #:	
Area:	Training Mgr: T. Edison		
OPERATOR QUALIFICATION			
Issued:		Expires:	
This card must be carried at all times.			
Qualified Functions			
		<input type="checkbox"/>	
Mechanical Fittings		<input checked="" type="checkbox"/>	
Plastic Fusion (12" & Smaller)		<input checked="" type="checkbox"/>	
Sidewall Fusion & Electrofusion		<input checked="" type="checkbox"/>	
Pressure Test & Tracer Wire		<input checked="" type="checkbox"/>	
Excavating & Backfilling		<input checked="" type="checkbox"/>	
CONSTRUCTION MGMT INSPECTOR			

		CONTRACTOR PE PIPE FITTER	
		GCO-4001	
Name:		Emp #:	
Area:	Training Mgr: T. Edison		
OPERATOR QUALIFICATION			
Issued:		Expires:	
This card must be carried at all times.			
Qualified Functions			
		<input type="checkbox"/>	
Butt Fusion (12" & Smaller)		<input checked="" type="checkbox"/>	
Mechanical Fittings		<input checked="" type="checkbox"/>	
Sidewall Fusion		<input checked="" type="checkbox"/>	
Electrofusion		<input checked="" type="checkbox"/>	
Pressure Test		<input checked="" type="checkbox"/>	
Tracer Wire		<input checked="" type="checkbox"/>	
Excavating & Backfilling		<input checked="" type="checkbox"/>	
CONTRACTOR – DEAD CONDITIONS ONLY			

		CONSTRUCTION MANAGEMENT INSPECTOR	
		CCM-0016	
Name:		Emp #:	
Area:	Training Mgr: T. Edison		
OPERATOR QUALIFICATION			
Issued:		Expires:	
This card must be carried at all times.			
Qualified Functions			
		<input type="checkbox"/>	
Mechanical Fittings		<input checked="" type="checkbox"/>	
Plastic Fusion (12" & Smaller)		<input checked="" type="checkbox"/>	
Sidewall Fusion & Electrofusion		<input checked="" type="checkbox"/>	
Pressure Test & Tracer Wire		<input checked="" type="checkbox"/>	
Excavating & Backfilling		<input checked="" type="checkbox"/>	
CONSTRUCTION MGMT INSPECTOR			

★ Attachment C

**EXAMPLES OF 12 MONTH AND 3 YEAR DISQUALIFICATION
DUE TO FAILURE TO COMPLY WITH TIME FRAME**

1. An installer has been Operator Qualified (O.Q.) on June 1, 2013. Therefore, this installer must be in compliance with the 12 month requalification method by being 12 month requalified “on or before” June 1, 2014.
2. The same June 1, 2013 operator qualified installer gets the “12 month period” requalification on April 20, 2014. Therefore, the installer must now be 12 months re-qualified “on or before” April 20, 2014.
3. The same June 1, 2013 operator qualified installer does **not** get the next “12 month period” requalification until May 10, 2015. This means that this installer failed to meet the “12 month period” and as of April 21, 2015 was disqualified to mechanically join plastic.

Please Note: The next “12 month period” is still from the April 20, 2015 date and **not the later date** of May 10, 2015.

4. The same June 1, 2013 operator qualified installer gets the next “12 month period” requalification on April 1, 2016, and since 2016 is also the year for the 3 year operator requalification, this same installer gets the 3 year requalification on May 15, 2016.

Please Note: The next “12 month period” is from the new 3 year O.Q. date of May 15, 2016 and **not** from April 1, 2016. The next 3 year operator requalification is from May 15, 2016.