APPENDIX A

PACKER MECHANIC

D.O.T. CODE 638.281-014
O*NET CODE 49-9041.00

This training outline is the current standard for Work Processes and Related Instruction. Changes in technology, regulations, and safety/health issues may result in the need for additional on-the-job or classroom learning.

WORK PROCESSES

		Approximate Hours
A.	Operating and Cleaning Packaging Machinery and Related Equipment	2,000

1. Demonstrating a knowledge of each piece of packaging machinery and equipment, and its place in the sequence of operations
2. Operating all packaging machinery and auxiliary equipment
3. Cleaning all packaging machinery and auxiliary equipment
4. Demonstrating a knowledge of the purpose and function of all individual components of the packaging system
5. Performing all required quality and maintenance checks and associated documentation

B.	Lubrication	250

1. Selecting appropriate oils and greases
2. Applying them correctly to all lubrication points
3. Following preventive maintenance schedule for lubrication

4. Conforming to company procedures and policies, as well as to any external standards that apply
5. Storing and disposing of lubricants in safe manner

C. Storeroom Operations and Parts Procurement 500

1. Demonstrating a familiarization with storeroom operation and how to place an order
2. Identifying and procuring parts from the storeroom
3. Following procedures for purchasing from outside sources as appropriate
4. Developing lists and assembling parts for maintenance kits

D. Shop Equipment 500

1. Reading prints and manufacturers' manuals accurately
2. Safely operating all shop equipment routinely available to the Packing Department
3. Repairing or fabricating parts as needed

E. Belts, Pulleys, Shafts and Bearings 750

1. Repairing pulleys, shafts and bearings
2. Performing belt maintenance
3. Troubleshooting and repairing belts
4. Replacing belts; demonstrating an understanding of each application and its limitations

F. General Repairs 1,500

1. Performing preventive maintenance overhaul
2. Repairing, replacing, rebuilding mechanical parts, equipment, accessories, etc.
3. Repairing, replacing, and maintaining electrical systems and electronic components
4. Repairing, replacing, maintaining hydraulic components
5. Repairing, replacing, maintaining pneumatic components

6. Welding, as it pertains to the trade
7. Performing basic plumbing tasks such as threading and fitting pipe
8. Performing basic sheetmetal fabrication of equipment parts such as spouting, hoppers, etc.
9. Making repairs to minimize downtime of machines and equipment

G. Troubleshooting 2,000

1. Demonstrating an ability to identify root cause of mechanical, electrical, electronic, hydraulic, and pneumatic equipment malfunctions
2. Correctly using all appropriate test instruments or equipment
3. Understanding the impact on other unit operations
4. Determining and taking appropriate corrective actions
5. Proceeding in a systematic and timely manner
6. Requesting any necessary assistance promptly

H. Machine Start-Ups, Run Adjustments and Changeovers 1,500

1. Accurately setting-up all machinery in the packing area
2. Adjusting all machines and equipment in the packing area to ensure peak performance
3. Demonstrating an understanding of the impact of machine adjustments on other unit operations
4. Performing all necessary set-up, changeover, and start-up procedures to bring any packing system up to 100% efficiency after a system change (including a major repair)

I. Preventive/Predictive Maintenance 1,000

1. Following preventive maintenance schedule
2. Replacing parts/components
3. Taking any indicated and required corrective actions
4. Performing vibration analysis (if available)

TOTAL HOURS	10,000

Apprenticeship work processes are applicable only to training curricula for apprentices in approved programs. Apprenticeship work processes have no impact on classification determinations under Article 8 or 9 of the Labor Law. For guidance regarding classification for purposes of Article 8 or 9 of the Labor Law, please refer to http://www.labor.state.ny.us/workerprotection/publicwork/PDFs/Article8FAQS.pdf.

APPENDIX B

PACKER MECHANIC

RELATED INSTRUCTION

Safety and Health

- OSHA 10-Hour Safety Course for General Industry, or, Basic Industrial Safety
- Right-to-Know/Material Safety Data Sheets (MSDS)
- Working Safely Around Machines
- Proper Use of Personal Protective Equipment (PPE)
- Lock Out/Tag Out
- Welding Safety
- CPR/First Aid – minimum 6.5 hours every 3 years

Blueprints

- Fundamentals of Blueprint Reading
- CAD or Auto-CAD (optional)

Mathematics

- Fundamentals
- Precision Measurement
- Algebra
- Technical or Trade Math

Trade Theory and Science

- Using and Caring for the Tools of the Trade
- Metallurgy
- Fundamentals of Mechanics
- Introduction to Electricity
- Introduction to Computers
- Fundamentals of Pneumatics
- Basic Operation of Machine Tools
- Bearings
- Lubrication
- Rigging
- Mechanical Drives (Chain and Belt)
- Servo Motors
- Basic Programmable Logic Controllers (PLC's)
- Troubleshooting Skills

Basic Sheetmetal Fabrication
Welding
Equipment Manufacturers' Training Classes (as available)
Continuous Improvement (at option of sponsor)

Other Workplace Skills

Sexual Harassment Prevention Training – minimum 3 hours
Respectful Workplace/Workplace Violence Training (at option of sponsor)

A minimum of 144 hours of Related Instruction is required for each apprentice for each year.