

Oil Heat System Technician

	2015 NOA STRUCTURE	Moved to:		2025 RSOS STRUCTURE	Moved from:
BLOCK	A - COMMON OCCUPATIONAL SKILLS		MWA	A - Performs common occupational skills	
Task	1. Uses tools and equipment.		Task 1	Maintains safe and healthy workplace	
Sub-task	1.01 Uses hand tools.	2.01	1.01	Maintains clean and safe work environment	2.02
Sub-task	1.02 Uses power tools.	2.02	1.02	Uses personal protective equipment (PPE) and safety equipment	1.08
Sub-task	1.03 Uses powder-actuated tools. (NOT COMMON CORE)	2.03	1.03	Participates in healthy and respectful work environment	NEW
Sub-task	1.04 Uses measuring and testing equipment.	2.04			
Sub-task	1.05 Uses hoisting, lifting and rigging equipment.	2.05	Task 2	Uses tools and equipment	
Sub-task	1.06 Uses ladders and platforms.	2.06	2.01	Uses hand tools	1.01
Sub-task	1.07 Uses soldering, flaring and threading tools.	2.07	2.02	Uses power tools	1.02
Sub-task	1.08 Uses personal protective equipment (PPE) and safety equipment.	1.02	2.03	Uses powder-actuated tools	1.03
			2.04	Uses measuring and testing equipment	1.04
Task	2. Organizes work.		2.05	Uses hoisting, rigging and lifting equipment	1.05
Sub-task	2.01 Communicates with others.	5.01	2.06	Uses access equipment	1.06
Sub-task	2.02 Maintains clean and safe work environment.	1.01	2.07	Uses soldering, flaring and threading equipment	1.07
Sub-task	2.03 Interprets codes and documentation.	3.01			
Sub-task	2.04 Completes documentation.	3.02	Task 3	Organizes work	
Sub-task	2.05 Interprets drawings.	3.01	3.01	Interprets drawings, codes and documentation	2.03 and 2.05
Sub-task	2.06 Performs basic distribution layout.	3.03	3.02	Completes documentation	2.04
Sub-task	2.07 Organizes material and components.	3.04	3.03	Performs basic distribution layout	2.06
Sub-task	2.08 Commissions appliances and components.	3.05	3.04	Organizes material and components	2.07
			3.05	Commissions appliances and components	2.08
			Task 4	Maintains continuous learning	NEW
			4.01	Upskills in new trade practices and procedures	
			4.02	Upskills in emerging technologies	

			Task 5	Uses communication and mentoring techniques	NEW
			5.01	Uses communication techniques	
			5.02	Uses mentoring techniques	
BLOCK	B – FUEL SUPPLY AND STORAGE SYSTEMS		MWA B	Installs fuel supply and storage systems	
Task	3. Installs fuel storage tanks.		Task 6	Installs fuel storage tanks	
Sub-task	3.01 Selects fuel storage tanks.	6.01	6.01	Selects fuel storage tanks	3.01
Sub-task	3.02 Determines fuel storage tank location.	6.02	6.02	Determines fuel storage tank location	3.02
Sub-task	3.04 Positions fuel storage tanks.	6.03	6.03	Positions fuel storage tanks	3.04
Sub-task	3.05 Installs fuel storage tank components.	6.04	6.04	Installs fuel storage tank components	3.05
Sub-task	3.06 Installs fill and vent pipes.	6.05	6.05	Installs fill and vent pipes	3.06
Task	4. Installs fuel supply system.		Task 7	Installs fuel supply systems	
Sub-task	4.01 Selects fuel supply components.	7.01	7.01	Selects fuel supply components	4.01
Sub-task	4.02 Installs fuel supply components.	7.02	7.02	Installs fuel supply components	4.02
BLOCK	C – OIL-FIRED HEATING SYSTEMS		MWA C	Installs oil-fired heating systems	
Task	5. Installs and retrofits oil-fired and wood/oil appliances and components.		Task 8	Installs and retrofits oil-fired and wood/oil appliances and components	
Sub-task	5.01 Selects appliances.	8.01	8.01	Selects appliances	5.01
Sub-task	5.02 Positions appliances.	8.02	8.02	Positions appliances	5.02
Sub-task	5.03 Installs components on appliance.	8.03	8.03	Installs components on appliance	5.03
Sub-task	5.04 Connects fuel supply to appliance.	8.04	8.04	Connects fuel supply to appliance	5.04
Sub-task	5.05 Connects electrical supply to appliance.	8.05	8.05	Connects electrical supply to appliance	5.05
Sub-task	5.06 Connects vent/exhaust piping to appliance.	8.06	8.06	Connects vent/exhaust piping to appliance	5.06
Sub-task	5.07 Installs dump zones for wood/oil systems.	8.07	8.07	Installs dump zones	5.07
Sub-task	5.08 Connects drain to appliance.	8.08	8.08	Connects drain to appliance	5.08
Task	6. Installs forced-air heating systems.		Task 9	Installs and retrofits forced-air heating systems	
Sub-task	6.01 Assembles ductwork.	9.01	9.01	Assembles ductwork	6.01
Sub-task	6.02 Installs ductwork.	9.02	9.02	Installs ductwork	6.02

Task	7. Installs hydronic heating systems.		Task 10	Installs and retrofits hydronic heating systems	
Sub-task	7.01 Assembles boilers.	10.01	10.01	Assembles boilers	7.01
Sub-task	7.02 Installs hydronic distribution system.	10.02	10.02	Installs hydronic distribution system and heating system components	7.05
Sub-task	7.03 Installs indirect water.	10.03	10.03	Installs indirect water heater	7.03
Sub-task	7.04 Installs oil-fired water heater.	10.04	10.04	Installs oil-fired water heater	7.04
Sub-task	7.05 Installs hydronic heating system components.	10.02			
BLOCK	D – VENTING, COMBUSTION AIR AND MAKE-UP AIR		MWA D	Installs venting systems, and combustion air and make-up air equipment and components	
Task	8. Installs venting systems.		Task 11	Installs venting systems	
Sub-task	8.01 Selects venting system.	11.01	11.01	Selects venting system	8.01
Sub-task	8.02 Prepares locations for termination.	11.02	11.02	Prepares locations for termination	8.02
Sub-task	8.03 Installs venting components.	11.03	11.03	Installs venting components	8.03
Sub-task	8.04 Secures venting system to structure.	11.04	11.04	Secures venting system to structure	8.04
Task	9. Installs equipment and components for combustion air and make-up air.		Task 12	Installs equipment and components for combustion air and make-up air	
Sub-task	9.01 Selects equipment and components.	12.01	12.01	Selects equipment and components	9.01
Sub-task	9.02 Prepares location for equipment and components for combustion air and make-up air.	12.02	12.02	Prepares location for equipment and components for combustion air and make-up air	9.02
Sub-task	9.03 Assembles equipment and components.	12.03	12.03	Assembles equipment and components	9.03
Sub-task	9.04 Secures equipment and components to structure.	12.04	12.04	Secures equipment and components to structure	9.04
BLOCK	E – ELECTRICAL/ ELECTRONIC SYSTEMS		MWA E	Installs and tests electrical and electronic systems	
Task	10. Installs electrical and electronic systems.		Task 13	Installs electrical and electronic systems	
Sub-task	10.01 Selects controls and components.	13.01	13.01	Selects controls and components	10.01
Sub-task	10.02 Selects location of controls and components.	13.02	13.02	Selects location of controls and components	10.02
Sub-task	10.03 Installs controls and components.	13.03	13.03	Installs controls and components	10.03
Task	11. Tests electrical and electronic systems.		Task 14	Tests electrical and electronic systems	
Sub-task	11.01 Cycles appliance controls.	14.01	14.01	Cycles appliance controls	11.01
Sub-task	11.02 Checks operating and safety controls.	14.02	14.02	Checks operating and safety controls	11.02
Sub-task	11.03 Checks accessories and components.	14.03	14.03	Checks accessories and components	11.03
Sub-task	11.04 Sets up operating parameters.	14.04	14.04	Sets up operating parameters	11.04
BLOCK	F – MAINTENANCE, DIAGNOSIS, REPAIR AND REMOVAL		MWA F	Performs maintenance, diagnosis, repair and removal	

Task	12. Maintains oil-fired heating systems and components.		Task 15	Maintains oil-fired heating systems and components	
Sub-task	12.01 Checks oil-fired heating system and components.	15.01	15.01	Checks oil-fired heating systems and components	12.01
Sub-task	12.02 Cleans components.	15.02	15.02	Cleans oil-fired heating appliances and components	12.02
Sub-task	12.03 Changes preventative maintenance components.	15.03	15.03	Changes preventative maintenance components	12.03
Sub-task	12.04 Lubricates moving components.	15.04	15.04	Lubricates moving components	12.04
Task	13. Diagnoses oil-fired heating systems and components.		Task 16	Diagnoses oil-fired heating systems and components	
Sub-task	13.01 Checks for electrical problems.	16.01	16.01	Checks for electrical problems	13.01
Sub-task	13.02 Checks for burner problems.	16.02	16.02	Checks for burner problems	13.02
Sub-task	13.03 Checks for distribution problems.	16.03	16.03	Checks for distribution problems	13.03
Sub-task	13.04 Checks for problems with combustion air and make-up air.	16.04	16.04	Checks for problems with distribution system for combustion air and make-up air	13.04
Task	14. Repairs oil-fired heating systems and components.		Task 17	Repairs oil-fired heating systems and components	
Sub-task	14.01 Corrects electrical problems.	17.01	17.01	Corrects electrical problems	14.01
Sub-task	14.02 Corrects burner problems.	17.02	17.02	Corrects burner problems	14.02
Sub-task	14.03 Corrects distribution problems.	17.03	17.03	Corrects distribution problems	14.03
Task	15. Removes appliances and components.		Task 18	Removes appliances and components	
Sub-task	15.01 Decommissions appliances and components.	18.01	18.01	Decommissions appliances and components	15.01
Sub-task	15.02 Disposes of waste products.	18.02	18.02	Disposes of waste products	15.02