

**BULLETIN 95 - 07****Date: March 24, 1995**

U.S. Department of Labor Employment and Training Administration Office of Apprenticeship Training, Employer and Labor Services (OATELS) Washington, D.C. 20210	<u>Distribution:</u>  A-541 Headquarters A-544 All Field Tech A-547 SD+RD+SAC+ Lab Com.	<u>Subject:</u> New Apprenticeable Occupation - -- Tuckpointer, Cleaner and Caulker  <u>Code:</u> 200
Symbols: DNIP:BAJ		<u>Action:</u> Immediate

**PURPOSE:** To inform Office of Apprenticeship Training, Employer and Labor Services (OATELS), Bureau of Apprenticeship and Training BAT staff of a new apprenticeable occupation:

Tuckpointer, Cleaner, and Caulker  
O\*NET Code: 47-2061.00  
RAIS Code: 0680  
Training Term: 6000 hours  
Type of Training: Time - based

**BACKGROUND:** The request for apprenticeability consideration for this occupation was submitted by Regional Director Swain, for ATR Colleen Henry, on behalf of the Tuckpointer Local Union No. 52, in Chicago, Illinois.

This occupation is not in the DOT, however a temporary DOT Code was issued by an Occupational Analysis Field Center. (now it is O\*NET Code)

A suggested work process schedule and an outline of related instruction are attached. This occupation will be added to the Bureau's list of recognized apprenticeable occupations when it is reissued.

For further information contact Colleen P. Henry, ATR, Des Plaines, IL.

**ACTION:**

Attachments

**WORK PROCESS SCHEDULE**  
**TUCKPOINTER, CLEANER, AND CAULKER**  
O\*NET Code: 47-2061.00 RAIS Code: 0680

**DESCRIPTION:** Erects and rigs swinging scaffolds, positions ladders or assembles metal scaffolding to facilitate the cleaning, caulking and waterproofing of masonry structures. Cleans, repairs and consolidates masonry structures; such as, brick, stone, terra cotta, using brushes, trowels and cleaning compound. Operates equipment to produce steam and pump cleaning agents through hoses. Assembles, positions, operates and monitors atomized or nebulized water spraying equipment for the cleaning of masonry. Mixes and applies poultices and hydrosilica for cleaning cut and carved stone, using scalpels, small points and hand held abrasives. Cuts and removes decayed or damaged masonry elements as needed. Patches and repairs broken stone members using stone grade adhesives and resins, drills stone and inserts metal or fiberglass dowels with adhesives into drilled holes for reinforcement of the stone. Replaces masonry elements with new materials that match existing material. Welds and fabricates brackets and supports for replacement materials. Patches stone elements using polyester resins, epoxies or varnish/wax compounds. Makes plaster or rubber backed plaster molds of masonry elements on site, such as, cut stone, carved stone, decorative terra cotta and brick. Casts building units from molds with cementitious or resinous materials replicating the original masonry in form, color and texture. Installs castings as specified. Prepares masonry joints, removes deteriorated mortar as needed, dusts and pre-wets with water. Mixes mortars to match composition and color of existing mortars. Using hawk trowel and tuck-pointers, fills joints with fresh mortar and tools joints to match existing joints. Removes old caulking from expansion joints and around doors, windows, and other openings using utility knives and/or pointing trowels. Cleans and prepares joints with solvents and primers, re-caulks with or without backer rods. Caulks new and old masonry joints and expansion joints. Applies waterproofing and sealants to masonry surfaces of all types. Applies exterior insulation. Installs flashing of all types. Patches stone elements using cementitious or resinous mixtures. Repairs and/or replaces masonry drainage systems; re-seals seams and joints; replaces or reinforces support systems. Repairs, seals, and/or replaces terra cotta and stone roofing materials. Restores and preserves all exterior building materials and elements of structures. Applies masonry sea-lanes and consolidants using brushes, rollers, and/or spraying devices. Prepares and installs any materials and utilizes all equipment necessary to perform restoration, cleaning and repair or replacement of any exterior facade. Installs and repairs synthetic plaster material. Mixes and uses epoxies for pointing, repairs, coatings, anchoring and fastening. Applies cementitious mixtures used for grouting, masking and grouting, and grouting and bagging. Cleans, prepares and applies waterproof deck coatings. Performs all the rigging and hoisting required to perform these various tasks,

**On-The-Job Training**

**APPROXIMATE  
HOURS  
500**

**A. Cleaning**

1. Use, care and maintenance of tools and equipment
2. Sandblasting
3. Grinding
4. Chemical washing
5. Etching
6. Pressure cleaning

<b>B. Pointing</b>	<b>1500</b>
1. Mixing mortar	
2. Tuckpointing and striking joints	
3. Dry packing	
<b>C. Masonry Repair</b>	<b>1000</b>
1. Brick and lintel replacement	
2. Stone and Dutchman repair	
3. Terra cotta repair	
<b>D. Caulking</b>	<b>1000</b>
1. Use, care and maintenance of tools and equipment	
2. Mixing and applying primers	
3. Mixing and applying sealants: oil base, butyls, neoprenes, acrylics, polysulfides, urethanes, and silicones	
4. Masking	
5. Waterproofing	
<b>E. Concrete Repair</b>	<b>1000</b>
1. Removal and preparation	
2. Dry packing, epoxy, and other non-sag patches	
3. Forming and pouring	
<b>F. Scaffolding and Rigging</b>	<b>500</b>
1. Swinging stages	
2. Single basket	
3. Pipe scaffold	
<b>G. Optional Allocations</b>	<b>500</b>
1. May include manufacturers training for new equipment, operation of company vehicle or additional training in previously covered areas.	
<b>TOTAL</b>	<b>6000</b>

**Related Instruction**

<b><u>FIRST YEAR</u></b>	<b>185</b>
1. Tools, equipment and safety	
2. Masonry building units	
3. Masonry construction: bonds, joints, and mortars	
4. Basic brickwork	
5. Advanced brickwork Concrete block masonry	
6. Blueprint reading	
7. Masonry math	
8. Preserving buildings	
9. Identifying kinds of brick and stone	
10. Diagnosing masonry problems Cleaning brick and stone	
11. Repairing deteriorated surfaces and building parts	

12. Finding and treating moisture problems
13. Red Cross standards first aid
14. Safety

**SECOND YEAR**

**207**

1. Tuckpoint 3/4 inch deep joint using three passes or lifts of mortar
2. Tuckpoint flush filled joint (no shadows or smears)
3. Tuckpoint flush then strike with a concave jointer
4. Tuckpoint using a bead joint tool
5. Parging, bagging, grouting, stripping and gunite
6. Waterproof coatings (clear) applications
7. Mortar mixing (types and color)
8. Cut out old sealant, clean, pack and shoot new sealant (caulking) and tool (gun and pour grade sealant)
9. Lintel repair: removal, replace steel, flash and lay in new brick

**THIRD YEAR**

**144**

1. Concrete restoration: cause of disintegration and repairs (forming, cleaning rebar, square patch, hand patch, dry pack, bonding agents and commercial materials)
2. Terra cotta removal repair replacement
3. Limestone repair
4. Reset coping stones and or tiles
5. Building cleaning: chemical wash, sandblasting, pressure washing, soaker method and poultices
6. Epoxy repairs: injection, bonding and color matching
7. Ladder safety
8. Scaffold rigging safety (electric and rope)
9. Pipe scaffold set-up and safety
10. Ropes and knots and splices
11. Fall arrest systems
12. Cutting steel with gas torches

**TOTAL**

**536**