

Chapter 2

Application Register

Abstract The reader can identify a known and unknown job criterion including the possible undisclosed precise particulars to facilitate the creation of an explicit job gear-list. Corresponding to over 450 specific job entities, more than 25 primary applications are described within the commercial, marine, and industrial environment. When an necessary application curriculum is recognized, the revealing “register” numbers are branded by business and industry identification, manufacturing hardware or process, service industries identity or its practice, type of product to be removed, the area identification, or environmental and disaster terminology. The application “register” is also expanded or fine-tuned with successfully completed and not yet registered job performances. Based on an existing job report and its application gear-list, a correlating “register” number is established to identify the primary and secondary application identities in chapter application core.

2.1 Example: Identify a Job Criterion and Create its Job Specific Gear-List

Example: How to service a *Condenser or small tube heat exchanger*

1. Lookup the primary and secondary application register number (s) in this Chapter, “**Application Register**”, page 235

Condenser or small tube heat exchanger 14.19. **4**

The correlating core number 4 (bold) identifies in [Chap. 3](#), “Application Core”, section 4.203 the service application supported by its gear-up list and safety requirement.

2. The Secondary “register” number (s), .19. applies either to application similarities or an application criterion necessary within the primary job description, offering the required gear-up list, facilitating the conception of an advanced and specific tool requirement.

Section .19, “**Application Core**”, section 19, explains the industrial pipe, pipeline and sewer lateral cleaning-service method (s) often necessary or similar within a condenser cleaning procedure, presenting its technical safety and gear-list requirement.

Section .14, “**Application Core**”, section .14 explains possibly necessary hydrostatic test procedures for boilers and condensers offering the technical requirement, safety curriculum and its specific gear-list.

3. The application “**Register**” is expanded or fine-tuned with successfully completed job reports and not yet registered job performances. Based on an existing job report and its application gear-list, a correlating “Register” number is established to recognize the primary and secondary application identities in [Chap. 3](#), “**Application Core**”.

Pressure-washing, hydro-blasting, UHP applications and environments 1,000–55,000 psi**A**

Acid tanks	2.19	22
Acidize aluminum	21.24	2
Absorbers (spray-wet absorbers)	22	11
Absorption filters	22	11
Abrasives-sand-sponge blasting and refuse recovery	7.24	23
Acid plant precipitators	3.20.22	11
Acrylic removal		5
After coolers		4
Aircraft hangar	5.19.24	12
Aircraft-carrier fuel tanks	2.7.13	22
Aircraft, coating removal, cleaning (private-commercial-industrial)	13.21.24	5
Air conditioner-chillers, commercial-industrial	11	4
Air conditioning systems commercial-industrial	11.19	4
Air-cooled finned tube heat exchanger	11	4
Air preheater units		11
Algae removal	12	23
Amusement parks-theme parks	1.2.5.6.7.12.19.22.23.24.25	17
Anchor-chain, locker compartment	2.12	22
Anchor chain compartment, lateral	2.7	22
Animal grease	2.12.19.24	21
Animal shelters	1.2.7.19.24	12
Aquatic pools-tanks	1.2.5.7.10.12.19.22.23.24	17
Arm and tray elevators	20.22.24	21
Asbestos removal	2.5.24	13
Asphalt removal	5.16.21.24	12
Asphalt breaking equipment	2.5.22.24	21
Asphalt mixing and paving equipment	2.5.22.24	21
Assembly lines	12.24	21
Atomizers	11	22
Autoclaves		22
Automobile repair shops	2.7.21.24	12
Awning and sign cleaning	12.24	2

B

Backwashing tunnels	7.22	19
Bag-house cleaning and refuse removal	7.11	22
Balanced tray thickener-cone scraper, feed well, overflow box and pipe, blades- 2.7.22.23		22
Ballast tanks	2	22
Barge service (fuel tanks, containers, holds)	2.7.13.23.24	22
Barnacle growth (oil rigs, piers, ships)	12.24	23
Barrel cleaning	24	22
Bagging bins		22
Batch crystallizers	7.22	4
Batch reactors	7.5	22
Barrel, solid rocket fuel, demilitarizing warheads-bombs	2.4.5.7.11.13.19.24	22

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Bayonet-tube exchanger	4
Belt filters	11
Benson sulfur recovery systems 7.4.11	22
Blast-furnace pipe precipitators 4.19	22
Bilge cleaning and preservation 2.23	22
Bitumen removal 2.5.22.16	12
Black liquor removal 4.7.16.19	22
Blast furnaces 3.4.11.16.19	22
Boiler cleaning 2.3.7.14.19	4
Boiler hydrostatic testing 2	14
Boiler-slugging-slurry pipe lines 3.22	19
Box driers 2.11.21	22
Bridge concrete reclamation 2.7.23	6
Bridge cleaning 2.7.10.19.23.24	12
Bridge decks 2.5.6.10	12
Bridge decks expansion joints 1.5.23	10
Bridge pylon cutting 7.23	6
Bridge deck concrete rehabilitation 2.7.23.24	6
Bridge (industrial structures) lead coating deleading-removal 2.6.7.12.13.23.24	5
Brick walls	1
Brick (used) 2.12.23	1
Bubble cap cleaning 4.7	22
Bubble gum removal	12
Building washing, repair, restoration 1.2.5.8.12.15.17.19.24.25	12
Bunker seed product removal 2.16.12.24	22
Bulk storage tanks for finished products 2.7.11.24	22
Boats-pleasure craft services 2.5.7.23.24	12
Bottling equipment-facilities 2.7.11.12.21.19.24	22
C	
Caked sludge removal 12.22.24	7
Calcium carbonate removal (boiler tubes) 2.7.22	4
Carbon removal (engine) 5.18	21
Carbon deposits 2.12.19.24	13
Castings, filaments cleaning 5.12	18
Catch basins 7	19
Canners-canning equipment 2.7.12.22.24	21
Candy and confectionery manufacturers 2.7.12.22.24	21
Caustic tanks 2.13	22
Cedar roof shingles 2.15	25
Cement dust removal 12.24	7
Cement slurry removal 5.7.12.24	6
Cement truck cleaning 7.12.24	21
Chemical storage tank 2.19	22
Centrifugal separators 2.7.22	21
Chemical metering-foaming	2
Chemical rinse aids	24

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Chemigum removal	4.5.19	22
Center dividers (roadside)	2.12	5
City fountains	1.2.5.12.23.24	17
Chewing gum removal		12
Chicken crates	2.11.12.24	21
Chlorine cells	11	22
Chutes	7.19	20
Clarifiers	2.5.6.10.19.23	22
Clay pipes		19
Cinder-block cleaning, coating removal, CMU units	2.5.15.12	1
Clinker removal	2.22	3
Closed belt conveyor	2.20.22	19
Coating removal on steel and concrete surfaces		5
Coal blow tubes	7.19.24	20
Coal-rock crusher-grinder-pulverizing hardware	7.19.24	21
Coal sludge, settling ponds		7
Coal storage	10.12	7
Concrete truck cleaning, cured concrete removal on vehicle components	2.5.3.22.24	21
Coke discharge headers, coke compressors	18.19	3
Coke handling hardware	7.21.22	3
Coke heater barrels	18	3
Coke production (refinery)	3.7.19.20.21	22
Coke removal after refinery fire	2.7.19.12.20.22	3
Cokers (refinery)	2.7.3.19.20.22	21
Cold storage buildings	2.6.7.24	12
Cooling towers	7.19.24.22	11
Compressor service	2.7	16
Concrete cutting		6
Concrete demolition-scarifying-rehabilitation	5.7.24	6
Concrete construction forms and accessories	2.12.21.24	6
Concrete form boards, molds	2.21.12	6
Concrete production machinery	2.21	6
Concrete sealer and necessary prep-work	2.7.12.23.24	6
Crime scene cleanup	2.7.15.24	13
Condenser hot well decontamination	2.13.14.22	4
Condenser or small tube heat exchangers	14.19	4
Condenser tube sheets	12	4
Construction site, cleanup	2.6.19.24	12
Container cleaning	2.7	22
Continues vacuum crystallizers	22	4
Continuous horizontal-vertical vacuum filters	22	11
Converters	3.7	22
Conveyor belts	7.12	21
Crank case (machine)	23.18	21
Crankshafts	18	21
Continues-flow conveyors	12.13.19	21

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Conveyor elevator shafts	19.22.24	20
Corrosion control	7.12.23	2
Covering the angles of eaves (attic, roof space)	25	1
Crude oil removal	2.7.13.19	22
Culverts	7	19
Cylindrical clarifiers		22
Cylindrical, coal bunker	19	22
D		
Dairy-barns	2.7.8.9.10.11.15.19.22.24	12
De-burring, (burr-metal flash removal, course edge polishing, surface modulation).....	23	8
Decontamination of holding tanks	2.7.13	22
Degassing (sewers, pipes, tanks, etc.)	7.22	19
Decks-porch-landing preservation-restoration (wood)	2.15	25
Digester (paper, pulp, sewage, etc.)	7.19	22
Disaster cleanup-odor control	2.7.12.13.19	15
Disc and plate clarifier, filter assemblies	7.22	11
Dispense bactericides-disinfectant and/or sanitizing products		2
Direct heat rotary dryers	22	3
Dredging	19.22	7
Demilitarizing warheads-bombs		13
Drill pipes	21.22	19
Drilling	7	9
Drive-thru and sidewalks	2	12
Driveway cleaning	2.24	12
Drum filters	7.22	11
Drying beds-evaporation ponds	22.24	7
Dust suppression	7.12.24	2
Double-Pipe exchanger with longitudinal fins	2.11	4
Double-shell indirect-direct rotary dryers	22	3
Dough removal	2.21	22
Dust-impingement separators of various designs	2.22	11
Dust hoppers of various designs for solids separation (cyclonic-bag-house-gravity)	7.22	11
E		
Economizers	7	22
Etching (glass, wood, and steel)	23	18
Electrostatic spray cabin	2	5
Emulsifying	2.12.16	7
Environmentally correct pressure washing, hydro-lasting and UHP services	2.7.13	24
Epoxy removal	24	5
Evaporator (forced circulation)	7.11	22
Evaporators, short or long tube-vertical or horizontal	22	4
Excavation (hydro)	9	7
Exhaust fans	20	8
Expansion joint cleaning	7	10
Exposing concrete slabs-aggregate	12	6

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Exposing dried concrete surfaces	5.7.12	6
Explosive-volatile, environments	2.7.13	22
External piping	20.22	19
F		
Facades, general buildings, etc	2.12.19.15.23.24.25	1
Feed-water heater	22	4
Fermentation residue	19.12.22	11
Felt, filter medium, including bag-house interior	22	11
Feed silos	2.7.10.15.19.20.24	22
Feed equipment, troughs, mix-feed grinders	2.11.22	12
Fermentation towers	2.24	22
Feed water tanks	2	22
Freeze driers	2.7	22
Fence restoring (wood)	2.15	25
Fire restoration	2. 7.10.15.19.24.25	12
Fiberglass lined tanks	2.5	22
Filter presses		11
Filter systems		11
Fire-tube salt-bath heater	19.22	4
Fire-tube boiler	19.22	4
Fin-fan cooler	11.22	4
Flash rust removal-suppression	7.12	2
Flight decks	2.12	5
Floating pontoons	23	
Floors-cleaning, product-refuse removal	2.5.7.15.24	12
Floors, concrete cutting, scarifying	12.23	6
Floors refinishing and resurfacing	2.6.24	12
Flues	7.8.19.22.24	20
Fluidized feeders	7.22	19
Fluidized-bed and cyclone arrangements, including tanks	7.11.19	22
Fly-ash removal	7.19.20	22
Forms and molds	7.18	21
Fog tunnel (steel plant)	12.16	7
Fouling film evaporator	22	4
Foils, 3M, removal	5	12
Foundation cutting	7.9.22.24	6
Fountains	2	17
Footer base (concrete) Cutting	7.24	6
Food service areas, food residue	2. 8.15.19.24	12
Fountains-water sport facilities-gardens, municipal pools, aquatic exhibition tanks...2.5.7.24		12
Friction rollers	18	21
Fuel tanks, decontamination (nuclear)	2.5.12.13.19	22
Fuel tanks, general	2.5.12.13.19	22
Furnaces (revolving)	11.22	3

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Garbage shafts, chutes	7.15.19.24	20
Gas line-pipe cleaning	7.8	19
Gas pipeline hydrostatic testing	2.19	15
Gasket surface cleaning	21.22	12
Gas stations	2.7.13.19.22.24	12
Gas distributors for gases containing solids (fluidized bed operations catalytic-cracking)22		11
Garbage-refuse areas	2.7.15.19.24	12
Generating tubes		4
Glass-lined equipment, autoclaves	2.23	22
Glass flake-vinyl ester coating removal	2.7.23	5
Graffiti removal	1.2	5
Graphite removal, uranium bars	2.24	13
Gravel cleaning		7
Grease traps	2.7.13	19
Grease and oil pits	2.7.19	13
Grid iron-cat walk cleaning, scale removal	5	12
Grinders-mineral crushers	2.11.16.24	21
Grocery carts	2.24	21
Gum removal		12
Gypsum removal	7.24	12

H

Hatching trays	2.7.11	21
Hazardous industrial waste recovery	2.5.7.11.15.19.24	13
Heat exchanger cleaning		4
Heat exchangers, shell side cleaning	21	4
Heater tube sheets	21	4
Heater tubes cleaning		4
Heavy equipment cleaning services	7.22.23.24	21
High-rise buildings, cleaning, restoration (above four floors) 1.2.5.6.7.9.13.15.17.20.25.23.24		12
Historic structures, statues, art-deco façades	1.2. 5.15.23.24	12
Hop grain mills	2.7.12.15.21	22
Hop grain storage units	2.7.15.21.12	22
Hop strainers	10.11.12.21	22
Hopper rail cars	7.13.21.24	22
Horizontal fire tube boiler	10.7	4
Hotel pools and general services	1.2.7.12.15.19.23.24 25	17
Hot scale removal (steel)		3
Horizontal-flow plate precipitators (cement plant)	4.12.19	22
Horizontal and vertical mist eliminators, vessels, tanks	2	22
House siding cleaning (dirt, atmospheric film, mildew, fungus, oxidation removal)1.2.15.7.24		12
Hydraulic-oil tanks	7.16	22
Hydro-excavation	9.19	7
Hydrofluoric acid-alkylation plant	4.7.19.20	22

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Hydrostatic testing	4.22.16	14
Hydro-vac-systems		7
Hazardous materials cleanup technology		24
I		
Incinerators, commercial-industrial	7.20.22.24	3
Incubating trays	11.12.21.24	2
Industrial structures, coating removal-deleading	1.2.23.24	5
Industrial elevator shaft		20
Insulators	2.12.24	21
Insect-pest suppression	2	15
Injection molding machinery (plastics)	2.4.11.19.24.22	22
J		
Jacketed exchangers		4
Juice deposits removal	4.11.21.19.12	22
K		
Kettles	2.10.21	22
Kiln deposits (rotary kiln)	21	3
Kneaders	2.21	22
L		
Large tube heat transfer units		4
Latex (sealing water dams)	5.6.12.23.24	10
Latex buildup	4.6.12.21	22
Laundry shafts	19	20
Lime silos	2.19	22
Lime removal	2.6.21.22	1
Lint deposits	7.8.11.24	12
Livestock containers, holding areas, barns	2.7.19.22	12
Locomotives	2.7.12.24	21
Louver dryers, product feed assembly, hot air chambers and exhaust stack	7.12.20	22
Lube oil towers	2.7.16	22
M		
Machinery	2.4.11.7.12.24	21
Magnesium salts removal (boiler tubes)	2.19.22	4
Marine growth	12.17.19.24	23
Mash vats	2.19.12	22
Mastic removal	5.7.10.24	12
Masonry cleaning-restoration-preservation	2.5.6.7.15.23.24	1
Material recovery	7.12.24	13
Meat packing equipment, processing	2.7.19.22.24	21
Mechanical parts cleaning	2.12.24	21
Metal oxidation removal	2.12.23.24	21
Metal, polishing-cleaning	23	18
Military-naval environment	1. 2.3.5.4.6. 7.10. 13.14.15.16.21.19.22.23.24	12
Mill scale		3
Mist eliminators	19.20.12.22	11
Mixers	12.21	22

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Molds (construction)	2.5.12.24	5
Mold-fungal contamination, removal-remediation, odor control	2.7.12.13.24	15
Monuments-ornamental	2	17
Multi-element cartridge clarifiers	7.19.22.24	12
Municipal pools	1.2.5.12.2.3.24	17
N		
Natural gas lines	7.4.22	19
Natural latex tanks	2.19	22
Neutralizing basins	12.22.23.24	7
Nuclear reactors	2.4.5.7.11.12.19.14.16.22.24	13
O		
Odor-stench, removal-control	2.7.12.24	15
Oil lube coolers	4.7.11	16
Oil lube systems, cleaning, scale removal, preservation	2.7.11.22	16
Oil-petroleum product storage tank	2.21	22
Oil tanks (crude-bunker)	2.7.16	22
Oil well equipment cleaning services	2.7.19.22.24	21
Oil spill-cleanup	2.7.22.24	13
Oil traps	7.19.22.24	4
Ornamental statues	1.2.5.12.15.23	17
Outside-packed head condenser with vapor liquid separation		4
Ovens-industrial	7.22	3
P		
Packed column-towers	2.19.12	11
Packed-lantern-ring exchanger	2.12	4
Packing and labeling machinery	2.24	21
Paint booth, paint overspray removal	2.12.20.24	5
Paint facilities	2.8.11.12.19.20.22.24	5
Paint heaters	4.5.11.12	22
Paint pipe cleaning	5.7.20	19
Paint stripping-removal	2.12.24	12
Paper manufacturers	1.2.3.4.5.7.8.11.12.14.16.19.20.24	22
Paraffin removal	2.5.7.19	22
Parking areas and garages	2.5.7.10.19.24	12
Parking garage, pavement cleaning	2.7.19.24	12
Parking garage, expansion-split and joints	2.7.12.19.24	10
Pasting walls, floors open gondolas-dust suppression	7	2
Picnic tables-grills, highway-park services	1.2.7.5.12.23.24	25
Pile driving	7.24	9
Pipeline protective coatings	5.7.19	22
Pipeline hydrostatic testing	2	15
Piping-internal, decontamination	5.7.19.24	13
Pipe and sewer cleaning	7.20	19
Plate and frame type exchanger	2.12.19	4
Pools	2	17
Polishing, metal bur-removal, honing		18
Polymer jetting-blasting		2

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Polymerization reactors	5.19.24	22
Pond bottom cleaning	7.19	23
Pools-residential-public, ornamental fountains, exhibition pools-tanks 2.5.7.19.22.23.24		17
Portable water tank cleaning	2	22
Preheater columns	4.11.19	22
Preserving steel	2.5.23.24	2
Pressure leak testing-hydraulic systems	2.16	14
Precipitators-scrubbers	7.11.19	22
Process equipment	2.8.11.13.14.16.22.24	21
Public telephone-rail-bus booth surfaces	1.2.24	12
Q		
Quench-boilers	19.22	4
R		
Radioactive trace element remediation	2.4.5.7.11.24	13
Radiators	2.21	11
Railcar tanks	2.7	22
Railroad cars	2.7.13.22.24	21
Reactors	2.5.7.11.19.22.24	13
Recovery systems	7.19.21	4
Refractory buildup	22	3
Refrigeration systems	11.19.22	4
Resealing-water proofing	2.5.7.10.23.24	12
Resin, solidified	12.7.19.22	4
Restoration-construction	1.2.5.6.25.13.24.25	12
Road maintenance	5.6.7.10.19.23.24	12
Road-marking removal	5	12
Rocket, missile motors	12.13.19.24	22
Roller-flight, conveyors	2.7.19.22	21
Roller-chain, conveyors	2.7.19.22	21
Rotary sieves	21	11
Rubber removal	2.5.21.22	12
Runway rubber removal	5.10	12
Rust removal	2.7.12.23.24	5
Rust proofing	2.7.12.23.24	5
Raw material bucket elevator	2.19.22	21
Rotary kilns, air-tempering chamber	22	3
Rotary calciner-cooler and feeder assembly, stack, furnace lining	7.20.22	3
Railcar washing	2.24	21
Roof shingle cleaning (wood, composite, plastic)	2.24	25
Roof safety procedures while cleaning		25
Restrooms-locker rooms, showers, highway, stadiums, industrial manufacturing...2.7.19.24		12
Radiators-fin		11
Roasters		21
Rock base cleaning (construction, mining)	7.9.10.24	5

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S		
Salts	1.2.5	12
Sandstone-limestone cleaning, mold remediation	2.15.24	1
Sandblast-abrasive blast methods		23
Sanitize, food service-livestock-farm-veterinarian vehicles	2.12.24	21
Sanitizing		2
Scaffold cleaning	2.5.12	21
Scarifying surfaces	2.23.24	6
Scrap processing	7.11.13.19.22.24	21
Scrubbers	7.11.19	22
Second stage area decomposer tubes	4.7.22	19
Sedimentation tanks	7.19	22
Settling ponds	19	7
Sewage treatment plants	2.6.5.19.23.24	22
Sewer, man-hole-culvert cleaning	10.24	19
Sewer-pipe cleaning	7.24	12
Shingle (wood-composite-plastic)	2.5.24	25
Shellfish breeding containers, tanks, areas	2.19.21.24	7
Ship-boat dock-piers	2.5.7.12.24.25	23
Ship deck cleaning	2.5.21	12
Ship hulls	5.12.24	23
Shopping carts	2.24	21
Shredder systems	2.19.13.22.24	21
Sidewalks and drive-thru's	2.24	12
Sieves-filter cleaning		11
Sieve-tray tower	19.11	22
Silos	2.21	22
Skirt cleaning, airports	2.24	12
Sludge removal in settling ponds	9.19.22	7
Sludge-refuse removal-disaster cleanup	7	15
Slurrifying	9.12	7
Smoke chambers	2.12.24	22
Smokestacks-flues	9	20
Soil treatment, remediation	2.7.11.24	13
Solid waste removal	12.13.24	7
Soybean processing plants	2.4.11.12.19.21	22
Spiral-plate exchanger		4
Spill removal	2.7.12.24	13
Spill cleanup services	2.7.12.19.24	13
Spiral wheel and roller conveyor	2.12	21
Stadium cleaning	2.8.10.19.24	12
Stacks and Chimneys	7.19	20
Steam-vapor-gas exhaust stacks		20
Spray-drying towers	7.11.19.24	22
Steam boiler	2.3.14	4
Steam engine-turbine		23

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Steam-plant	2.4.7.11.12.14.16.19.20.22	4
Steam generators	2.7.19	4
Steam generator, hydrostatic testing	2	15
Steel cutting-demolition		23
Steam generator channel head decontamination	2.14.24	13
Steam-tube rotary dryer, dust drum, steam manifold-tubes	4.19	22
Steel mills	2.3.4.7.11.12.14.19.20	22
Stone-brickwork cleaning, sealing	2.15.24	1
Stone cleaning (monuments)	2.15. 17.24	17
Storage silo with life storage shelf and reserve storage arrangement	2.7.19.24	22
Store fronts	2.24	12
Storage tanks, drums	2.7	22
Submersible abrasive blasting		23
Suction rolls		11
Sulfur condensers		4
Sumps		19
Super-heaters	2.3.11	4
Surface hardened exterior finish removal	2.3.11.23.24	5
Suspension coal bunker	10.12.19	22
Swimming pool cleaning services	1.2.5.7.19.23.24	12
T		
Tank lining-coating removal	2.22	5
Tank-cleaning, product recovery applications	2.7.13.24	22
Talcum powder removal	7.12.19.20.24	22
suction heater	4	22
Tank trucks-urea deposits	2.7.22.24	21
Tanker truck	2.21	22
Tanks	2.7	22
Tanks, hydrostatic testing	2.22	14
removal	2.5.24	12
Tar cookers	5.3.12. 19	12
Tar products	2.16.22.23.24	12
Tennis courts	5.7.24	12
Theme-amusement parks	1.2.5.6.7.12.19.21.23.24.25	17
Three drum water tube boilers	2.3.14.20	4
Towers (trays-refineries)	2.7.19.22	11
Towers (refinery), hydrostatic testing	2	14
Tractor-trailer fleet washing	2.13.22.24	21
Tube bundle cleaning	2 13.22	4
Tunnel cleaning, restoration	1.2.5.6.7.24	12
U		
Underwater anchoring-pylons-piers-lock gate structures	24	23
Underwater dredging		23
Underwater hydro-blasting		23
Underwater abrasive blasting		23
Uniflux trays	19.22	11

(continued)

(continued)

Utility water tanks..©	2	22
U -tube heat exchanger		4
Urea deposit removal	2.12.21.23.24	22
V		
Vacuum-rotary dryer, steam jacket, vapor discharge pipes, spiral agitator	3.6.19	22
Vacuum dehydrators	13	22
Vacuum drum filters		11
Vapor dispersion trays		11
Vaporizers	11.19	22
Vent condenser		4
Vacuum-ducts and piping	7.19	8
Vacuum-filters		11
Vacuum towers (refinery)	7.11.14.19	22
Vacuum vessel, hydrostatic testing	2	14
Vapor line scale removal	4	19
Vitrification furnaces	7. 23.24	3
Vertical-flow plate precipitators	22	11
Vehicle service areas	2.7.21.24	12
Vehicular accident cleanup-remediation	2.7.24	13
Vessels-autoclaves	2.7	22
Veterinarian hospitals and animal sanctuaries	2.7.19.24	12
Volatile substance removal and effluent separation	2.7.23	22
W		
Wash water control, recovery, filtration, recycling		24
Wash water evaporation		24
Water abrasive blasting		23
Water damage-remediation	2.7	15
Water gardens	1.2.5.12.15.19.23.24	17
Water-film pipe precipitators	11.12.19	22
Water-tube boiler	3.14.19	4
Water tube package boiler	3.14.19	4
Water well cleaning	7	9
Weld seam polishing	12.23	18
Weld slag removal		18
Wastewater reclamation technology		24
Wood pulp removal	7.19.21.22	11
Wet or dry air-filter bank installations	2.7	11
Wood pre-staining preparations-color restoration		25
Wood cleaning, restoration	2.24	25
Water proofing interior-exterior surfaces	2.5.23.24	12
Walk-in coolers	2.7.24	12
Water tank cleaning, dehumidification, coating rehabilitation procedures	2.7.13.24	12
Warehouse loading docks, storage surfaces	2.19.24	12
Wineries	2.7.21.22.24	12
X-Y-Z		
Zoos	1.2.4.5.6.7.8.10.11.12.15.19.21.22.23.24.25	17

The term **Hydro-blasting** is derived from the German language Hydro-dynamic = fluid forming-strahl-lappen, combined with US dictionaries explanation for blasting, a forcible stream of water (steam) from an opening.

HYDRO-BLASTING

5,000 - 30,000 psi

Term developed by WOMA Corp. identifying the water as a tool technique for WOMAs, North American market in 1967. For English and Australian markets WOMA utilized the term high-pressure water jetting 1960

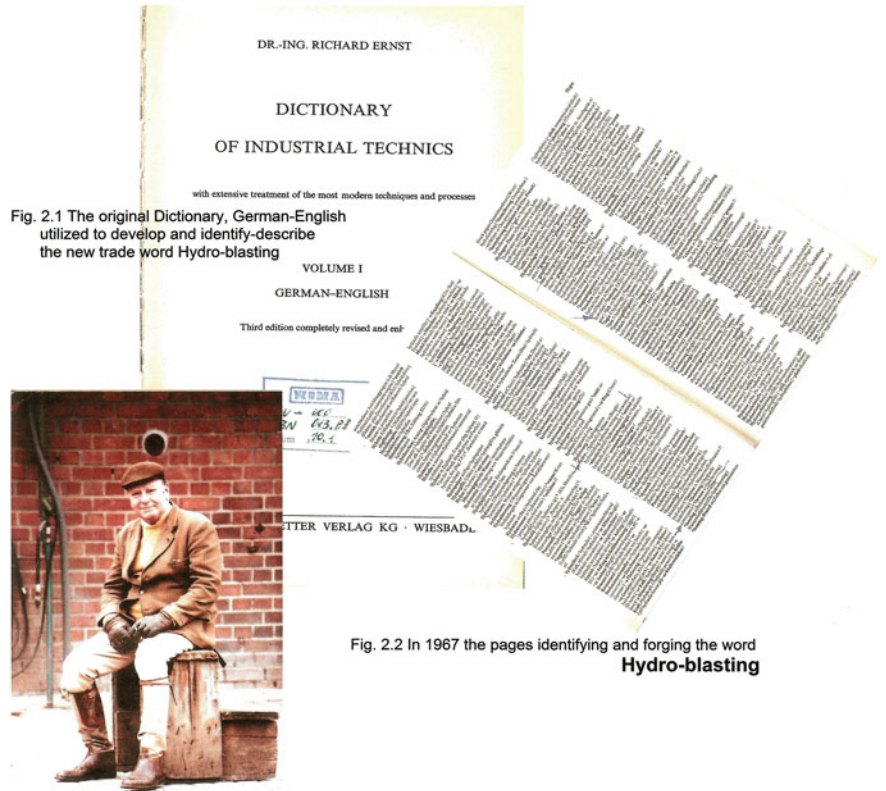


Fig. 2.1 The original Dictionary, German-English utilized to develop and identify-describe the new trade word Hydro-blasting

Fig. 2.2 In 1967 the pages identifying and forging the word **Hydro-blasting**

Fig. 2.3 Wolfgang Maasberg, founder Woma corp. c.a. 1985

On the left, the first Hydro-vac system (Fig. 2.3), utilizing a 90° fan nozzle incorporated to a vacuum horse brush

1968

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