Order of the Minister of healthcare and social development of the Republic of Kazakhstan
No. 944, of December 8, 2015

On Approval of the List of Jobs, prohibited for employees under 18 years old, as well as
threshold of portage and moving of weights by employees under 18 years old, and list of
jobs prohibited for female employees, threshold norms of manual lifting and moving of
weights by female employees.
(with amendments of 13.08.2018)

[...]

3. The vice minister of healthcare and social development of the Republic of Kazakhstan is
entrusted with supervision over enforcement of this order is entrusted with.

[...]
2. Welding works

9. Gas welder and electric welder of manual welding, working in workshops and closed tanks (cisterns and boilers); working on high-rise structures of communication services (towers, masts), with climbing works at height above 10 meters.

3. Boiler works, cold upsetting works, drawing and pressing works

10. Boiler maker

4. Metal coating and painting

11. Pressure-sealer, engaged in hermetic sealing inside caisson-tanks
12. Lead-plating worker, permanently engaged in lead plating (non-galvanizing)

5. Locksmith and bench-work and assembly

13. Pneumatic drilling-machine operator, operating a pneumatic equipment transmitting vibrations to the worker’s hands.
14. Maintenance-fitter, engaged in setting and fitting works in the following workshops and units: hot-rolled works, pickling, enamelling, silicone-rubber varnish insulation works, lead plating in cable manufacturing.

6. Lead works

15. Workers, engaged in smelting, casting, rolling, spreading, forging of lead products, lead plating of cables and brazing of lead accumulator batteries.

Subchapter 1.2 Construction, installation and repair and refurbishment works

16. Ironworker, engaged in manual erection of carcasses, manual operation of bending machine tools and shears
17. Ground man
18. Brick mason
19. Compressed air worker in: pneumatic machine operation, shaft works, construction electrical works
20. Rolled strip roofer and piece material roofer
21. Steel deck roofer
22. Motor grader operator
23. Bulldozer operator
24. Bucket excavator operator, bucket wheel excavator operator
25. Operator of the oil-engine driven mobile electrical welding machine
26. Steel and reinforced concrete constructions erector in heights and climbing works
27. Communication and antenna technician working in heights
28. Refractory man, performing hot repair of boiler furnaces and ovens
29. Pipe layer of industrial reinforced concrete pipes
30. Lead solder
31. Pipe layer of industrial brick pipes

**Subchapter 1.3 Mining works**

32. Underground works in mining and quarrying industry, works in building of underground structures, except for workers and specialists not engaged in physical works, as well as workers and specialists performing physical works within the limits of physical threshold loads set for women.

33. Open pit mining works and works on the surface of in-use and in-construction mine sites and pits, beneficiation, agglomeration, palletising, except workers and specialists not performing physical works, as well as workers and specialists performing physical works within the limits of physical loads set for women.

1. **General mining and mine development works**

34. Drill runner of production and exploration boring works on oil and gas fields
35. Shotfirer, miner engaged in blasting operations
36. Miner in charge of fire prevention and fire fighting
37. Support haulage operator
38. Drilling machine runner, drilling machine runner assistant
39. Shaft timberman
40. Bit setter - toolsmith
41. Loading machine operator
42. Full hole drilling machine operator
43. Machine operator, assistant machine operator, operator of self-propelled heavy-weight vehicles (heavy-weight cars, haul trucks, earthmoving machines, excavators, tractors, bulldozers)
44. Manual car pushing and car putting dumper
45. Shaft man
46. Onsetter/banksman

2. **General beneficiation, agglomeration and briquetting works**

47. Crusher attendant, engaged in crushing of hot sinter in manufacturing of aluminium silicate, in briquetting operations
48. Kiln worker, engaged in the process of kiln roasting of ingoing and raw materials in mercury manufacturing
49. Workers and overseers of beneficiation and crushing-and-sorting plants, pits, mines and mining enterprises, engaged in crushing, grinding, milling and blending of ferrous, non-ferrous and rare-earth metal ores, metallurgical concentrate and fluoric slag which lead to generation of a 10 % or higher concentration high-silica dust.
50. Workers, working in lead beneficiation shops.

**Subchapter 1.4 Exploratory and topographic-and-geodetic surveying works**

51. Shot-firer

1. **Well-drilling**
52. Oil and gas exploratory and geodetic surveying driller
53. Rig-builder, rig-builder-welder, electrician rig-builder
54. Drilling machine runner
55. Cementing tool operator
56. Cementing unit operator
57. Cementing and sand-blender unit operator
58. Pipe pressure tester
59. Oil and gas exploratory and geodetic-surveying assistant-driller (derrick man and roughneck)
60. Drilling machine assistant-runner (motorhand and roustabout)
61. Drilling fluids engineer (mudman), engaged in manual mixing of drilling fluids
62. Drilling equipment maintenance man, engaged in repair of drilling equipment
63. Rig equipment maintenance man, engaged directly in servicing of the drilling site
64. Drill-pipe tool joint man
65. Electrician in charge of electric equipment repairs and electrician in charge of electric machinery servicing, engaged in maintenance and repair of technological machinery

2. Oil and Gas production

66. Floating drilling vessel driller
67. Workover operations driller
68. Fracturing unit operator
69. Subsurface well repair works operator
70. Preconditioning works for workover and subsurface well repairs operator
71. Down-the-hole treatment operator
72. Floating drilling vessel assistant driller
73. Workover operations assistant driller
74. Workers, managers and specialists, permanently employed in underground oil extraction
75. Workers, employed in works associated with application of methanol and acids
76. Assembling fitter on offshore drilling rig and racks
77. Oil and gas production equipment assembly, maintenance and repair technician

Subchapter 1.5 Iron and Steel Industry

1. General works of iron and steel industry

78. Ladle man, employed in molten metal works
79. Boilmaker, employed in continuous furnace and batch-type furnace works, as well as in roll making and pipe making pits
80. Pneumatic chipping tool operator

2. Blast furnace ironmaking

81. Blast-furnace operator
82. Blast-furnace pipeman
83. Blast-furnace keeper
84. Scale-car operator
85. Skip-car operator
3. Steel industry

86. Charging machine operator
87. Torpedo ladle operator
88. Blast-furnace blocks feeder
89. Deoxidizer smelter
90. Furnace helper at: converter, open-hearth furnace, direct reduction of iron, electro-slag remelting, arc furnace
91. Steel casting operator
92. Steel smelter at: converter, open-hearth furnace, direct reduction of iron, electro-slag remelting, art furnace

4. Rolling industry

93. Hot-roller
94. Sintering unit operator
95. Plate-steel loader
96. Charging machine operator helper
97. Rails accessories pressing and piercing machine operator
98. Guide setter, engaged in shape and bar production

5. Pipe-rolling

99. Operator of: sizing mill, hot rolling mill, forge welding mill, cold rolling mill, tube-forming mill
100. Non-mechanized wire drawing machine operator
101. Press pipe grader
102. Hammer and press machines toolsmith
103. Hot and cold rolled pipe roller helper

6. Ferroalloy industry

104. Ferroalloy furnace man
105. Ferroalloy smelter
106. Workers, engaged in extraction of metallic chromium and chromium alloys by aluminothermic reduction method
107. Workers engaged in direct current arc furnace smelting of silicon alloy

7. Coking industry

108. Gas collecting main operator
109. Doorman
110. Coke crusher operator
111. Lidman
112. Workers, directly engaged in manufacturing of benzene, its hydrotreating and rectification
113. Scrubber-pumper, engaged in servicing of by-product phenol recovery plant
114. Service technician engaged in maintenance of coke-batteries

Subchapter 1.6 Non-ferrous industry
1. Non-ferrous industry general works

115. Pourman, engaged in pouring of liquid into anode section in manufacturing of aluminium, silumin and silicon
116. Installing mechanic, engaged in making of cathode collector bar in manufacturing of aluminium, silumin and silicon
117. Smelter
118. Calcine furnace tender
119. Workers, directly engaged in manufacturing of tantalum, niobium, their compounds, and their finished products, when class 1 and class 2 hazardous chemicals are used.
120. Hard alloy sintering plant operator
121. Service technician, service technician in charge of maintenance of metallurgical and cement machinery, engaged in servicing of machinery in the main metallurgical workshops.

2. Manufacturing of non-ferrous and rare metals, non-ferrous metals powder

122. Titanium sponge casting technician
123. Metal pourer and caster
124. Cathode process technician
125. Blower
126. Condenser operator
127. Chemical reactor technician, engaged in mantling and dismantling of baths and ovens
128. Mercury cast technician
129. Titanium and rare metals reduction-oxidation and distillation furnace man
130. Titaniumferrous and rare metals processing furnace man
131. Workers and foremen, engaged in:
   1) manufacturing of titanium tetrachloride;
   2) workshops (sections and units) of titanium tetrachloride reduction and metal separation in manufacturing of titanium metal;
   3) workshops of loparite concentrate chlorination;
   4) sections (units) of titanium raw materials (slag) chlorination;
   5) units of slag processing by fuming method (in tin manufacturing);
   6) melting shops, as well as calcine/ashes processing shops in mercury manufacturing
132. Electrolytic bath sludge remover, engaged in manual cleaning of baths.
133. Molten salt pot operator

3. Manufacturing of beryllium, its compounds and finished products

134. Unit operator engaged in:
   1) manufacturing of beryllium metal;
   2) manual cleaning of pressure filters in manufacturing of beryllium dioxide;
   3) manufacturing of ammonium fluoro-beryllium;
   4) formation of beryllium oxide powder;
   5) operations where beryllium oxide powder is used in making of beryllium oxide;
   6) preparation of the furnace charge in beryllium hydro-oxide production;
7) fusion of charge materials in beryllium hydro oxide production;
8) ventilation system servicing
135. Worker (turner and scalper operator), engaged in mechanical treatment of beryllium, its compounds and beryllium oxide finished products
136. Worker on operations, requiring usage of antitack agents and wearing of individual protection suits
137. Service technician, engaged in servicing of technological and auxiliary machinery

4. Production of fuel for nuclear power plants

138. Unit operators, directly engaged in maintenance of technological process, except unit operators in depositing, extraction, pressing of fuel pallets, rectification of finished product, control and packaging; tallyman and dust and gas arresting installation servicing staff.
139. Mechanics foreman, electrician foreman, plumber foreman, foreman in charge of automated and semi-automated machinery, service technicians in charge of machinery maintenance, internal plumber, electrician.

Subchapter 1.7 Power plant and power grid repair

140. Cable lines repair and installation electrician, engaged in repair of litharge and brazed lead sleeves and sheaths cable holders
141. Overhead line repair electrician, engaged in climbing repair works of high voltage overhead lines

Subchapter 1.8 Abrasive manufacturing

142. Pourer and balance tender of abrasive wheels, engaged in lead pouring on abrasive products
143. Bulldozer operator, engaged in hot dismantling of heated resistance furnace in abrasive production
144. Abrasive materials smelter
145. Silicon carbide smelter
146. Furnace bottom tender, engaged in corundum workshop

Subchapter 1.9 Electrical industry

1. Mechanic-assembly works and electro-technical general works

147. Mercury distillation worker
148. Mercury arc rectifier moulder

2. Electrical carbon materials production

149. Workers, engaged in melting of sinter

3. Cable production

150. Lead or aluminium cable moulder, engaged in hot lead moulding
151. Cable sheath remover, engaged in removing of lead sheath

4. Electrochemistry

152. Lead-base alloy founder
153. Dry matter mixer (for lead batteries)
154. Lead-base alloy and lead-containing waste smelter
155. Storage battery-plate cutter, engaged in forging-separation of forged lead plates

Subchapter 1.10 Chemical industry

156. For reproductive age women - works involving usage of Hazard class 1 and Hazard class 2 chemicals, except assistant chemists engaged in servicing of main manufacturing processes

1. Chemical industry general works

157. Melting unit operator, engaged in sinter melting and refinement
158. Operator of rubber softening and steam-heating unit

2. Production of yellow and red phosphorus and their derivatives

159. Workers, management and specialists, directly engaged in servicing of shaft and slot furnace, roasting kiln and sinter furnace; granulation of fines in electric fuming of phosphorus, filling of phosphorus tanks, servicing of phosphorus storage tanks, phosphorus sludge, sludge distillation and processing of semi-molten slag

3. Manufacturing of phosphorus trichloride and phosphorus pentasulphide

160. Workers, management and specialists, engaged in the main technological process

Subchapter 1.12 Processing of oil, gas, shale, coal, manufacturing of synthetic oil products, petroleum oils and lubricants

161. Coke-loader
162. Tube-type furnace cleaner
163. Workers, engaged in extraction workshops and aromatic hydrocarbons separation units
164. Workers, engaged in preparation of arsenic solutions in purification of sour petroleum gas
165. Workers, management and specialists, engaged in technological process of petrol leading
166. Workers, engaged in servicing works inside pressure vessels and drain vessels used for disposal of oil and gas processing waste
167. Workers, engaged in scheduled gas and explosive hazardous operations in a high hydrogen sulphide content environment

Subchapter 1.13 Manufacturing of cellulose pulp, paper, cardboard and finished products
168. Acid vessel brick-liner
169. Chlorination unit worker

**Subchapter 1.14 Cement production**

170. Workers, engaged in cleaning of cement slurry tank and screening washmills

**Subchapter 1.15 Stone working and stone-cast production**

171. Stone caster
172. Mill operator, engaged in crushing of diabase chip into powder.
173. Stone processing machinery set up operator

**Subchapter 1.16 Production of reinforced concrete, concrete finished products and structures**

174. Concrete and reinforced concrete stone-cutter

**Subchapter 1.17 Heat-insulation production**

175. Bitumen worker
176. Cupola furnace man

**Subchapter 1.18 Manufacturing of soft roof and hydro-insulation materials**

177. Cooking boiler loader

**Subchapter 1.19 Textile and consumer goods industry**

1. Textile production

178. Slasher sizing machine operator, engaged in non-mechanized lifting and removing of rollers
179. Emergency repair-recovery works technician, engaged in cleaning of sewer trenches and drain shaft
180. Card stripper and card grinder

**Subchapter 1.20 Food industry**

1. Food manufacturing

181. Diffusion unit operator, who services batch diffusors in manual loading
182. Ice prepcook, engaged in making of ice in water reservoirs and forming them into ice mounds

2. Meat products manufacturing

183. Slaughterer, performing the following operations:
1) stunning, shackling and bleeding of big cattle and small ruminants and pigs;
2) manual evisceration, skinning of big cattle;
3) carcass splitting;
4) scalding and singeing of pig carcasses and heads;
5) horizontal method dressing of big cattle;
6) fleshing;
7) cattle skin processing

**Subchapter 1.21 Railway transport and metro service**

184. Engine-driver of: diesel-powered train, diesel locomotive, diesel-electric train, electric train
185. Gasoline locomotive driver, assistant gasoline locomotive driver, rail trolley operator
186. Rail trolley operator assistant, working on wide-gauge railway tracks
187. Assistant driver of: diesel locomotive, diesel-electric train, electric train
188. Shunting master, assistant shunting master
189. Overhead equipment electrician, engaged in climbing works on electrified railway
190. Track serviceman
191. Car inspector and repair man

**Subchapter 1.22 Inland water transport**

192. Loader, dock engineer (except dock engineer, constantly engaged in crane operation, driving of intra-port vehicles and workers, servicing continuous functioning machinery on cargo handling, except cargo with Class 1 and Class 2 hazardous substances))
193. Boiler installation operator (greaser) of a solid fuel vessel
194. Sailors on all types of passenger and cargo vessels (except vessels with hydrofoil wing and skimming vessels, as well as vessel operating intrarurban and suburban routes), dredging shovel, dredge-pump and mixed river-sea navigation vessels
195. Crane-operator (craner) on a crane boat

**Subchapter 1.25 General works applicable to all industries**

196. Antenna and mast technician
197. Bitumen cooker operator
198. Motorsleigh driver
199. Professional diver
200. Gas rescue professional
201. Airborne fire fighter, smoke-jumper
202. Mercury batcher, proportioning mercury manually in an open container
203. Cleaver, engaged in manual labour
204. Boilerman, engaged in servicing of hot boilers
205. Boiler cleaner
206. Painter, engaged in painting inside vessels, with application of lead, aromatic and chlorinated hydrocarbons containing paint and lacquers, as well as airbrush painting of large-scale items in closed chambers using above-mentioned paints and lacquers
207. Offshore crane operator (craner)
208. Boiler house operator (greaser), engaged in servicing of hot-water boilers with manual loading
209. Crane boat engine room staff
210. Workers, engaged in works:
1) with open container metal mercury (except those working on units and semi-automated units with effective air change at workplace);
2) cleaning of vessels (reservoirs, gauging tanks, cisterns, barges) previously used for sulphur crude oil, its products and sour petrol gas;
3) related to direct method of firefighting;
4) cleaning, scrubbing and painting of marine and railway cisterns, marine liquid fuel tanks and oil-carrying vessels, cofferdams, fore- and afterpeaks, chain bins, double-bottom spaces and between-hull spaces and other hard-to-reach places;
5) building of gasoline and ethyl fluid compounds;
6) cleaning of mercury arc rectifiers during installation, repair and servicing of overhead wiring, as well as aerial power lines combined with climbing works above 10 m high;
7) Servicing of watercrafts, dredging shovels while performing marine tacking works
211. Emergency and rescue technician, engaged in sewer system cleaning works
212. Rigger, engaged in installation and dismantling of equipment
213. Cleaner

Chapter 2. Threshold norms for manual lifting and moving of weights for women

<table>
<thead>
<tr>
<th>№</th>
<th>Nature of works</th>
<th>Threshold maximum weight</th>
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<tbody>
<tr>
<td>1</td>
<td>Lifting and moving (one-time) of weights alternating with other works (up to 2 times an hour)</td>
<td>10 kg</td>
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<tr>
<td>2</td>
<td>Lifting and moving (one-time) of weights continuously during an operating shift</td>
<td>7 kg</td>
</tr>
<tr>
<td>3</td>
<td>Volume of the dynamic work, performed during every hour of the operating shift when moving a weight for the distance between 1 to 5 meters shall not exceed: -when lifted from the working surface</td>
<td>1750 kg/meter</td>
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<tr>
<td></td>
<td>-when lifted from the floor level</td>
<td>875 kg/meter</td>
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</tbody>
</table>

Reservations:
1. The mass of lifted and moved weight includes mass of the tare and packaging.
2. When moving the weights by carts or in container, the applied effort shall not exceed 10 kg.