



## WASHINGTON REFUSE & RECYCLING ASSOCIATION

### Comprehensive List of Banned Materials under National Sword

Updated 4.23.18

For materials not subject to the ban, China has instituted a new and extremely prohibitive quality standard for material limiting contaminants to one half of one percent (0.5%). This requirement applies to all materials, even those not covered under the ban.

**Products covered** (HS or CCCN where applicable, otherwise national tariff heading. ICS numbers may be provided in addition, where applicable):

#### **Plastic:**

- 3915100000; Waste, parings and scrap of polymers of ethylene
- 3915200000; Waste, parings and scrap of polymers of styrene
- 3915300000; Waste, parings and scrap of polymers of vinyl chloride
- 3915901000; Waste, parings and scrap of polyethylene terephthalate
- 3915909000; Waste, parings and scrap of other plastics

#### **Vanadium slag:**

- 2619000021; Scum and slag with vanadium produced by smelting the steel, containing vanadium pentoxide more than 20%(other than granulated slag produced by smelting the steel)
- 2619000029; Other scum and slag with vanadium produced by smelting the steel(other than granulated slag produced by smelting the steel)
- 2620999011; vanadium slag from iron or steel smelting containing more than 20 percent vanadium pentoxide)
- 2620999019; slag, dust or residue containing between 10–20 percent vanadium pentoxide

#### **Paper:**

- 4707900090; Unsorted waste paper

#### **Waste textile materials:**

- 5103109090; Other noil of fine animal hair
- 5103209090; Other waste of fine animal hair (including yarn waste, but other than gametted stock)
- 5103300090; Other waste of coarse animal hair (including yarn waste, but other than gametted stock)
- 5104009090; Gametted stock of fine or coarse animal hair
- 5202100000; Yarn waste (including thread waste)
- 5202910000; Gametted stock of cotton
- 5202990000; Other cotton waste
- 5505100000; Waste (including noils, yarn waste and garneted stock) of synthetic fibres
- 5505200000; Waste (including noils, yarn waste and garneted stock) of artificial fibres

- 6310100010; Sorted new or unused scrap articles of textile materials (scrap twine, cordage, rope and cables and their products)
- 6310900010; Other new or unused scrap articles of textile materials

**Other:**

- (HS 2619), Ash and residues (other than from the manufacture of iron or steel), containing arsenic, metals or their compounds.
- (HS 2620), Waste, parings and scrap, of plastics.
- (HS 3915), Waste of wool or of fine or coarse animal hair, including yarn waste but excluding garnetted stock.
- (HS 5103), Garnetted stock of wool or of fine or coarse animal hair.
- (HS 5104), Cotton waste (including yarn waste and garnetted stock).
- (HS 5202), Waste (including noils, yarn waste and garnetted stock) of man-made fibres.
- (HS 5505), Used or new rags, scrap twine, cordage, rope and cables and worn out articles of twine, cordage, rope or cables, of textile materials.
- (HS 6310), - Other, including unsorted waste and scrap (HS 470790).

**Simple listing with common names:**

- Plastic waste from living sources
- Mixed unsorted paper
- Plastics type #3-#7.
- ethylene; styrene; vinyl chloride; PET; other plastics
- Waste textile materials
- Slag, dross (other than granulated slag), scalings and other waste from the manufacture of iron or steel.
- Ash and residues (other than from the manufacture of iron or steel), containing arsenic, metals or their compounds.
- Waste, parings and scrap, of plastics.
- Waste of wool or of fine or coarse animal hair, including yarn waste but excluding garnetted stock.
- Garnetted stock of wool or of fine or coarse animal hair.
- Cotton waste (including yarn waste and garnetted stock).
- Waste (including noils, yarn waste and garnetted stock) of man-made fibers.
- Used or new rags, scrap twine, cordage, rope and cables and worn out articles of twine, cordage, rope or cables, of textile materials.
- Other, including unsorted waste and scrap
- eight types of postconsumer plastic scrap;
- 11 types of used or scrap textile materials; and
- four types of metal slag that contain vanadium.

**Other Resources:**

- **Latest WRRR National Sword Fact Sheet:** <http://www.wrra.org/wp-content/uploads/2018/04/Condensed-National-Sword-Whitepaper.pdf>
- **WRRR National Sword FAQ:** <http://www.wrra.org/wp-content/uploads/2018/04/WRRR-FAQ-on-Chinas-National-Sword.pdf>
- **Comprehensive List of Banned Materials:** <http://www.wrra.org/wp-content/uploads/2018/04/WRRR-National-Sword-Fact-Sheet-Sources.pdf>
- **WRRR MRF List of Preferred Recyclable Materials:** <http://www.wrra.org/wp-content/uploads/2018/04/WRRR-MRF-List-of-Preferred-Materials-in-Commingled-Recycling-Programs.pdf>
- **List of Sources:** <http://www.wrra.org/wp-content/uploads/2018/04/WRRR-National-Sword-Fact-Sheet-Sources.pdf>

# Additional Recyclable Materials to be banned by China in 2018 & 2019:

In April 2018, the Chinese government announced additional bans of recyclable materials set to enter into effect by the end of 2018 and 2019.

The new prohibited items include the following:

- By end-2018: steel slag, post-industrial plastics, compressed auto pieces, small electric motors and insulated wires, and vessels.
- By end-2019: wood pellets, stainless steel scrap, and nonferrous scrap excluding aluminum and copper.

## List of Solid Waste to be Included in the Catalogue of Banned Import Solid Waste Effective as of the End of 2018:

- 2618001001 Manganese-containing granular slag generated during smelting of steel and iron, with a manganese content greater than 25% (including slag sand)
- 2619000010 Oxide scale generated during steel rolling
- 2619000030 Steel and iron residue generated during smelting of steel and iron, with an iron content greater than 80%
- 3915100000 Waste and scrap ethylene polymers and remnants / Aluminum-plastic composite membrane
- 3915200000 Waste and scrap vinyl benzene polymers and remnants
- 3915901000 Waste and scrap polyethylene terephthalate and remnants (Waste and scrap PET and remnants, and scrap PET bottles (compressed))
- 3915909000 Other waste and scrap plastics and remnants
- 7204490010 Compressed piece of scrap automobile
- 7204490020 Metal and electrical appliance scraps mainly for the recovery of iron and steel
- 7404000010 Metal and electrical appliance scraps mainly for the recovery of copper (including waste electric motors, waste wires and cables, and metal and electrical appliance scraps)
- 7602000010 Metal and electrical appliance scraps mainly for the recovery of aluminum (including waste wires and cables, and metal and electrical appliance scraps)
- 8908000000 Vessels and other floating structures for breaking up Scrap vessels

## List of Solid Waste to be Included in the Catalogue of Banned Import Solid Waste Effective as of the End of 2019:

- 4401310000 Wood pellet
- 4401390000 Other sawdust, wood waste and scrap
- 4501901000 Cork waste
- 7204210000 Waste and scrap of stainless steel
- 8101970000 Tungsten wastes and scraps
- 8104200000 Magnesium wastes and scraps
- 8106001092 Other unwrought bismuth wastes and scraps
- 8108300000 Titanium wastes and scraps
- 1093000000 Zirconium wastes and scraps
- 8112921010 Unwrought germanium wastes and scraps
- 8112922010 Unwrought vanadium wastes and scraps
- 8112924010 Niobium wastes and scraps
- 8112929011 Unwrought hafnium wastes and scraps
- 8112929091 Unwrought gallium and rhenium wastes and scraps
- 8113001010 Granular or powdery tungsten carbide wastes and scraps
- 8113009010 Other tungsten carbide wastes and scraps, except for granular or powdery ones

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