1. Ores, Ore concentrates

2. Secondary Raw Materials (e.g. Refinables No. 9.1 (Materials for reclaim, PM with or without support), 9.2 Materials for reclaim (PM in bricks, trays, etc.))

3. PM containing Intermediates from recycling processes (e.g. Refinables No. 1.1, 1.2, 2, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 5.1 6.1, 6.2, 6.3, 6.4, 7, 8, 9.1, 9.2, 9.3, 10.2)

Hydro-metallurgical process

Yes

Cf. decision tree part 1 a - d

No

Pyro-metallurgical process

Yes

Thermal treatment

Yes

Exhaust air

7 Flue dust
EC: 308-496-3

9.1 Materials for reclaim,
PM with or without support
EC: 308-526-5

9.2 Materials for reclaim,
PM in bricks, crucibles, trays etc,
EC: 931-674-2

No

Smelting

Yes

Exhaust air

Enriched phases

1.1 Gold Doré / 1.2 Silver Doré
(Metallic anodes, ingots or bars rich in Ag and/or Au)
EC: 273-793-6

(Sulphidic solid rich in PMs)
2. Matte, precious metal
EC: 308-506-6

10.2 Iron bullion, PGM rich
EC: 273-793-6

9.2 Materials for reclaim,
PM in bricks, crucibles, trays etc,
EC: 931-674-2

Residues

(By-products containing Cu, Pb and small amounts of Ag, Sb, Te and other metals)
3.1 Slags, doré furnace
EC: 266-975-1

(By-products rich in SiO2)
3.2 Slags, production of PM containing materials other than doré
EC: 308-315-8

9.3 Materials for reclaim,
PM production by-products
EC: 931-663-2

Exhaust air

7 Flue dust
EC: 308-496-3