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

No → Pyro-metallurgical process

Yes → Cf. decision tree part 2

Yes

(Hydro-)electro-chemical refining

No → Precipitation and Crystallisation

No → Cf. decision tree part 1c (Leaching and Dissolution) or 1d (Cementation, Reduction and Electrowinning)

Yes → Cf. decision tree part 1a

Yes

Two-phase separation

Liquid phase

Solid phase

still PM containing?

No

Yes

still UVCB?

No

Yes

4.4 Precipitates from PM refining
EC: not yet assigned

PM/PM compound containing mixture or mono constituent substance
out of Refinables scope

~~Solid Waste~~
out of Refinables scope

still PM containing?

No

Yes

still UVCB?

No

Yes

Liquid Phase from Precipitation and Crystallisation
not yet covered
EC: not yet assigned

PM/PM compound containing mixture or mono constituent substance
out of Refinables scope

~~Liquid Waste~~
out of Refinables scope