

onclusions of TD p 7 d work

Number	Material	Type of Test	Loading	pH	Analyses	Study n°	Results	Next steps	Conclusion
1a	Dore pure bis	24 h	100 mg/l	6 & 8	Ag, Cu, Pb	X01-045	Non classified but higher solubility as doré impure	none	combine with pure for Cl&L proposal
1b	Doré impure	7 d	100 mg/l	6	Ag, Cu, Pb	X01-039	No classification at 7 d level	calculate 28d 1mg release	confirmed no classification
2	Matte PM refining bis	24 h	100 mg/l	6 & 8	Ag, Co, Cu, Ni, Pb	X01-046	Classified for env. for Pb	0,09*4/100 = 0,0034 µg/l 1 mg test 7 d	Conduct 1 mg/l 7d-28d pH 6 or accept.
3a	Boro-silicate slags						no testing conducted	PSD correction	Use PSD and N-BET to confirm/reject Cl.
3b	Phosphate slags	7d/28d	1 mg/l	6	Cu, Pb	X01-40	Pb leaching R52, Ag dissolution 7x TRV so R50	PSD correction of classifi.	Classify for Ag as R50/53 or correct for PSD
3c	Silicate slags	7d/28d	1mg/l	6	Cu, Ni, Pb	X01-41	Cu leaching R51, Pb dissolution 2x TRV so R50	PSD correction of classif.	Classify for Pb as R50/53 or correct for PSD
3d	Borate slags	7d/28d	1 mg/l	6	Pb, Zn	X01-42	High Zn leaching at 1 mg/l	PSD correction of classif.	Classify for Zn as R50/53 or correct for PSD
4a	Slimes and sludges 1	24 h	100 mg/l	6&8	Ag,As,Cu,Ni,Pb,Sb,Zn	X01-047	on hold		
4b	Slimes and sludges 2	24 h	100 mg/l	6&8	Ag,As,Cu,Ni,Pb,Sb,Zn	X01-048	on hold		
5.1	Residues from FeCuPbNi matte leaching	7d/28d	1 mg/l		Ag, Cu, Ni, Pb	X01-043	Just absolute borderline between R50 & R51	Confirm representativity	Unclear if a PSD correction can be made?
9.1a	Reclaim materials:spend catalyst	7d/28d	1 mg/l	6 & 8	Ag, Co, Cr, Ni	X01-044	Ag dissolution 2 x TRV so R50	PSD correction of classification	Classify for Ag as R50/53 or correct for PSD
9.2a	Reclaim materials: Bricks	24 h	100 mg/l	6 & 8	Ag, Co, Cr, Cu, Ni, Pb	X01-049	Low dissolution but potentially classifiable	Confirmation required	Conduct 1(0?) mg/l 7d-28d pH 6
9.2b	Reclaim materials: Pots and crucibles	24 h	100 mg/l	6 & 8	Ag, Co, Cr, Cu, Ni, Pb	X01-050	High Ag dissolution, classifiable	Accept R50 or do 1 mg/l 7d-28d	Suggest refinement based on 1 mg/l 7-28d
10	PGM Rich Pb bullion	24 h	100 mg/l	6&8	Ag, As, Cu, Ni, Pb	X0-051	Pb leaching R51?? But Cu dissolution R50	None if product representative for market (PSD?)	Final accept classification unless significant PSD correction can be made