

**INDICATIVE TYPES OF MATERIALS ACCEPTED BY GAUTENG REFINERY**

Industry	Material Type	Pt	Pd	Rh	Ru	Ir	Os	Au	Ag	Examples
<b>Chemical</b>	Catalyst intermediates	•	•	•	•	•		•	•	Catalyst intermediates, process catalysts
	Solutions	•	•	•						Distillation residues
	Production residues	•	•	•	•	•		•	•	Wipes, filter cloths
<b>Consumer</b>									•	Coins, scrap, jewellery
<b>Dental</b>	Manufacturing & alloy scrap	•	•			•				Crowns & alloy scrap
	Production residues	•	•			•		•	•	Floor sweeps, grindings or other residues
<b>Electronics</b>	E waste		•					•	•	CPU's, ram, wires, chips, no plastic
	Capacitors	•	•		•			•		
	Targets	•			•					Pure mixed residues and sludge
	Sand blast & cleandown residue	•			•					
<b>Catalysts</b>	End of life auto catalysts	•	•	•	•				•	Preprocessed ceramic, metallic, silicon carbide
	Production residues	•	•	•						Obsolete/reject stock
	Stationary Catalyst	•	•	•						Ceramic blocks
<b>Fuel Cells</b>	Electrodes	•						•		End of life electrodes, carbon & carbon fines
	MEA's	•			•					End of life MEA's
	Production residues	•			•					Floor sweeps, spent catalysts
<b>Glass</b>	PGM Alloys	•	•	•	•	•		•		Refractory
	Crucibles	•	•	•	•	•	•	•		
	Thermocouples	•		•						
	Refractory brick	•	•	•	•	•				
	Mirroring residues		•						•	Silver sludge
<b>Gold Refiners</b>	Secondaries	•	•	•	•	•	•	•	•	PGM concentrates, sludges
	Losses	•	•					•	•	Bag houses, precipitators, effluent
	Sweeps							•	•	Crucibles, slags
<b>Jewellery</b>	End of life scrap	•	•	•				•	•	Rings, chains, rods, ingots, slags
	Watch cases, coins	•	•	•						Case and strap alloys
	Productions residues	•	•	•	•	•		•	•	Floor sweeps, grindings and residues
<b>Laboratories</b>	Residues	•	•					•	•	Analytical residues
<b>Medical</b>									•	X-rays
<b>Metallurgical</b>	Facility clean ups	•	•	•	•	•		•	•	Smelthouse, thickeners
	Carbon & carbon fines							•	•	
	Slags							•		
	Refractories							•		
	Bag house	•	•					•	•	
<b>Mining</b>	Effluents	•	•	•	•	•		•	•	
	Concentrates	•	•	•	•	•		•	•	Free gold, alluvial
	Vamping							•		Stopes, mills
<b>Petrochemical</b>	Reforming catalyst	•	•		•				•	Free flowing pellets, extrudate, spheres
	Catalyst residues	•	•		•				•	Fines
<b>PGM Refiners</b>	Process residues	•	•	•	•	•		•	•	By products, waste, effluents, residues
	Secondaries	•	•	•	•	•		•	•	Osmium, silver chlorides
<b>Plating</b>	Ion exchange resins	•	•	•	•	•		•	•	
	PGM scrap	•	•	•						
	Flake, sludges	•	•	•				•	•	