ABBREVIATIONS

AAS - Atomic absorption spectrophotometer

Amm.Car. - Ammonium carbonate

ADU – Ammonium DiUranate

AHWR – Advanced Heavy Water Reactor

AUC - Ammonium Uranyl Carbonate

Car. – Carbonate

Car. Cake – Carbonate Cake

Car. Filtrate – Carbonate Filtrate

Car. Precipitator – Carbonate Precipitator

Car. Supnt. – Carbonate Supernatant

Concn. - Concentrated

CpH/ Cfeed – Concentration at pH per Concentration in feed

C\textsubscript{U}/C\textsubscript{Th} – Concentration of uranium per concentration of thorium

EGA-MS – Evolved Gas Analysis-Mass Spectrometer

FBR – Fast Breeder Reactor

FBTR – Fast Breeder Test Reactor

Fe – Iron

Filtrate colln. – Filtrate Collection

g/L – gram per Liter

HAN – Hydroxyl ammine Nitrate
HAH-FAS - Hydroxyl ammine Nitrate-Ferrous Sulphamate

ICP-MS – Inductively Coupled Plasma- Mass Spectrometer

IR – Infra Red

LMC – Lead Mini Cell

mg/kg – milligram per kilogram

mg/L – milligram per liter

MeV – Million electron volt

MWD/t – Mega Watt Day per tonne

MWe – Mega Watt electrical

MWt - Mega Watt thermal

Oxalate Filt. – Oxalate Filtrate

PFBR – Prototype Fast Breeder Reactor

PHWR – Pressurised Heavy Water Reactor

ppm- parts per million

Ppt. Dissolver – Precipitate Dissolver

Ppt. – Precipitate

Pu – Plutonium

Pu. Carbonate – Plutonium Carbonate

PuCpH/Ci – Concentration of plutonium at particular pH per initial concentration of plutonium

Pu in U – Plutonium in Uranium product
QMS – Quadrupole Mass Spectrometer

Recov. Th – Recovery of thorium

Reco. With washing – Recovery with washing

Reco. With out washing – Recovery with out washing

Supnt. – Supernatant

TBP – Tri Butyl Phosphate

Temp. – Temperature

Th – Thorium

Th. Carbonate – thorium carbonate

ThCpH/ Ci – Concentration of thorium at particular pH per initial concentration of thorium

Th in Feed – Thorium in Feed

Th. Oxalate – Thorium oxalate

Th-Oxide – Thorium oxide

Th in Prod. – Thorium in product

Th. Oxalate Supnt. – Thorium Oxalate supernatant

U – Uranium

UCpH/Ci – Concentration of uranium at particular pH per initial concentration of uranium

U in Feed – Uranium in Feed

U- Oxide – uranium Oxide
U in Prod – uranium in product

U in Pu – Uranium in plutonium product

(U,Pu)C – Uranium Plutonium mixed Carbide

(U,Pu)N - Uranium Plutonium mixed Nitride

(U,Pu)O₂ - Uranium Plutonium mixed Oxide

Vol. – Volume

μCi – micro Curie

μg/g – micro gram per gram