

**Alan Larson**

**Professional Engineer, Lehigh Graduate**

**Reside in Kylertown, PA**

**Worked in the mining industry for 48 years**

**Also worked in the Natural Gas and Solar Industry**

**Previous Coal Mine Owner**

# Employment created by REEs Mining

## Current Jobs

Employees needed to complete current development

Engineers	5
Drillers	2
Sample Collection	2
Lab Technicians	2
Land Procurement	2

## Direct Mining Jobs

Approximately 8 to 10 positions per 1,000 tons of ore mined

.3 to .5 tons of concentrate generated per 1,000 tons of ore

Therefore 4 mining sites per ton needed for a plant running 24 hours per day, 7 days a week

Total Direct Jobs 40

Localized processing sites to minimize trucking

## Indirect Jobs

Jobs created per 4,000 tons of ore

Truck Drivers	42
Mechanics	16
Welders	4
Blasters	4
Lab Technicians	2
Engineering	1
Reclamation	1
Total Indirect	70

## **Processing Jobs**

Labor force necessary to operate and maintain plant processing 3,000 to 4,000 tons per day

Plant Operations            40

Coal Plant Operations      5

Load Out Operations        5

## **Future Jobs and Benefits from REEs Mining**

Mining of REEs will decrease the dependency on production from China

Help secure National Security

REEs and Associated minerals will create the following Jobs

Separation of REEs into individual elements

Production of electronic equipment

Production of aluminum and finished products

Production of Lithium and finished products

Production of Local Natural Gas to support the above industries

Mining will improve the environment

Water quality will be improved both locally and in the water shed areas

Elimination of hazards from previous mining

Create enhanced uses of mined properties

## **Needed support from Government**

Best mining practices used and not adhere to strict water quality regulations in areas previously affected by mining operations

DEP monitor engineering plans and use as a working document