Zone 2
Raw Material Processing

Characteristics
Green screens between spaces, along roadway
Steel and concrete structures
Train circulation flows through block while vehicular traffic creates edges
Large steel cranes and interesting concrete structures
Overhead pipe systems less prevalent than in other areas
Zone 2

Raw Material Processing

Large steel structures are in poor condition

Concrete milling factory is in good condition

Vertical wells
Zone 2
Raw Material Processing
Gantry cranes
Overhead walkways
Circular structures
Zone 3

Power Factory

Characteristics

Two larger brick and concrete structures surrounding by smaller buildings

Structures in this area are lower than other zones

Vehicular Parking in courtyard spaces

Presence of unstructured vegetation near railroad.
Zone 3

Power Factory

Brick and Concrete building

Good condition

Monolithic, in contrast with elevated pipe and passage systems
Zone 3

Power Factory

Overhead material transport systems

Structured and Unstructured Vegetation
An Engine for Transformation
Coal enters the power plant and leaves as electricity that powers the coal milling plant, the blast furnaces and local buildings.
After milling, coal powder is conveyed through belts and trains to the furnaces.
Electricity travels by conduit to the coal milling facility.

Hot air, steam, and gas are piped to the furnaces.

Gas and water are piped to the power station from across the lake.
An Engine for Reclamation

A place of transformation and adding value:
Just as coal enters and leaves as energy, dirty soil becomes more valuable and useful as it leaves as clean fill
Soil from around the site is transported via the existing rail network to the site.
After treatment and storage on site, the soil is transported to other areas of Shougang via rail.
Retaining an industrial function on the site provides a buffer zone between new programs and the power plant to the West.
Ecological Regeneration
Soil and Water Purification

Characteristics:

Power Resources:
• Windmill: “Yellow tail”
• Biological Power

Plants Selected:
• Phragmites
• Reeds
Trees Species with Strong Anti-pollution Capacity

- Oaks
- Alders
- Willows
- Poplars

Paulownia
Black Locust
Staghorn Sumac
Tree of Heaven
Shrub

Soil

- Ligustrum Lucidum
- Evergreen Euonymus
- Chinese Arborvitae
Future Use
Pipe Re-use
Re-use as planters
Pipe Re-use

Re-use as planters
Pipe Structure
Re-use as multi level dining
Cooling Tower

Re-use as spa
Scrap Pile

Re-use as compost pile
Coal Barn
Re-use as kids playground