

28 June 2021

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C/- PO

Independent Planning Commission

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I **Object** to Hume Coal Projects EIS SSD 15\_7172 , 7171

All 13 EIS books for the Hume Coal Project I have looked at in our local Library.

(Not all in one sitting.) Thank you for reading my letter.

**Protection of Australia's Water , Lands & Food Production areas should be TOP Priority - Protect & Preserve for all Time for all Generations to come.**

I am a Permanent Southern Highlands resident for over 21 years.

I make no donations to political associations.

**I say no.**

Aquifers, Rivers, Creeks, Streams, Farms, Water Catchments & Swamps  
Agricultural Lands should be Protected forever.

I request all mining leases should be cancelled. Mining leases NEVER issued Ever again in the Southern Highlands & any Water Catchment Areas.

I say **NO** to the Hume Korean Coal project & any **future coal / coal seam gas mining** projects' in the Southern Highlands because: -

This is what I believe will happen to my own Home, Land, Aquifers, Rivers, Creeks, Streams, Environs' People and Our Community.

This is what I believe will happen \* if \* the Hume Korean Coal Mine was built:-  
My House - My Home, My Land - My Garden, My life - My healthy lifestyle, My Village, Our Community, the whole Southern Highlands, Fauna, Flora, Environs,

**Pristine Aquifers & Waterways, Green Hills, Valleys, Healthy Fertile Soils, Clean Air, all would be contaminated forever by the Hume coal mining project !**

I do **NOT** want this to happen !

**All Environs changed forever:- contaminated by Hume Coal and look like this:-**

Before Hume Coal Mine ref: - fig 1     After Hume Korean Coal Mine ref: - fig2.

EIS... will be a Low impact coal mine and will lower the water table by 80mtrs

**Aquifers pristine ground waters depleted**

How will it be low impact? when the EIS states **water table lowered by 80 metres.**

**When the water table drops**— very fast, My trees, Our Highlands trees, Our Forests' will die.

**Trees keep alive** their root systems grow in moist soils around the Aquifers  
**Southern Highlands has “green” Droughts** because of our Clean Pristine Aquifers.

**Crown Land** - Australian Native Trees, Aussi Bush, Forests, in & around the coal mine footprint will die.

**Massive tree die outs will occur** - For decades our Trees' grow their roots down into the moist soils near the Aquifer, water table reduction will cause tree roots to dry out & die, trees won't survive.     This is the Sydney Drinking Water Catchment !

**Tree roots absorb, drink soil moisture, clean Aqua water, minerals, nutrients.**  
**Tree roots will not know the difference & will drink toxic chemical re-watering.**

**Our Healthy Trees are living by Nature.** How will Hume Korean Coal do this ?

**How will Hume Korean Coal make the tree roots grow very fast & very deep,**  
down 80 meters to **access soil moisture** in their lowered water table? will it be *clean*?

**Water catchment erosion zones**

The Hume Korean Coal Mine **water reduction will trigger - dead trees that will create soil erosion within the water catchment** - rain water runs down hills & valleys, into water ways. All the rivers, streams & creeks drain into Warragamba Dam.

Top soil.? Silt.? run off.? all drains into the drinking water catchment.! **Future Generations drinking Water who's held accountable for the coal Contamination?**

**What will happen to the Sydney drinking Water Catchments in the future?**

**Local Farms / Agriculture / Vineyards who rely on under ground bores & springs will have massive water losses** when the Coal mining lowers the water table.

**What happens to them & to their small business, livelihoods, self-employed, where will they live, how will they get jobs.** They currently make their living off the Land

**Clean Water access and Healthy Clean Fertile Soils !**

## **The Southern Highlands - Clean Green & Beautiful**

Who gives Hume Korean Coal the rights to Deplete Aquifers & lower the water table.

**My land – sits on top of the Aquifer. No Water = No Soil Moisture.**

Dried out soils = reduction in Micro-organisms, fungi filaments' inter-connecting plant root systems, natures life cycles will be negatively changed.

Natures Organic soil structures will be changed, will dry out and die.

Creating massive soil moisture reduction, top soil erosion will take place.

Soil Fauna & Flora above & below ground dead, tree roots dry out eventually trees dead. **No shade trees, no bush, no ground cover, local area temperatures go up.**

Dry Soils = dust bowels + wind = dust storms. Yearly August winds > 100km

### **My Own Land - Direct Negative Impact:- by Hume Korean Coal Mine.**

My own land soil moisture depleted by Hume coal mine lowering the water table.

Drier sub-soils absorb upper level soil moisture. This creates a double chain reaction in drought times.

Lower level soil moisture gone by coal mining

Top soil dries out by Drought, the Sun & Wind = Lifeless barren land unproductive.

Reduced soil moisture will cause my soils to die, my lovely long pink worms will die, my burrowing frogs that live in the soil will die, when my soils die, my garden will die too. This is very upsetting for me and making me cry.

I've been creating my lovely little garden for over 21 years. Planting tulip bulbs, daffodils, john quills all sorts, flowers, roses – a peace rose, miniature conifers, cherry & plumb blossoming trees, camellias' all sorts and beautiful rhododendrons.

I enjoy working my lands wonderfully rich fertile soil, planting, nurturing & watching my garden grow. For the last 21 years Enjoying my beautiful flowering, deciduous & evergreen garden - every day of the year. Hopefully for the rest of my life.

**My land, My home, My Life - a Massive Negative Effect** -The Hume Korean Coal Mine project directly effects me !

**My House & Land Permanently impacted by the coal mine lowering water table.**

Dried out sub-soils below my house– cracking my house foundations.

Sink Holes within Aquifers rock-soil layers due to water extraction, Soils, sub-soils, geology instability under my house will occur. What will happen and When ?

Sink holes will open up at any time – Where & when - unknown-

**Under my house, or under my street, or when I'm driving on the Highway or riding the Train – Sydney to Melbourne Major Transport Road & Rail !**

Aquifer water loss, Geology underground unstable - “feather” tunnels & coal mine voids will be under all the above infrastructure. Created by Hume Korean Coal Mine.

**Massive Risk to Peoples' lives, Infrastructure and the Australian Economy.**

**My Land - future land subsidence:**– will be caused by Hume Korean Coal Mine.

My Land subsidence movement depth mm /cm / or metres – unknown

**My land Subsidence – cracking - movement all My House foundations,**

My **under ground pipes** - water / utilities pipes, underground wires, phone lines,

**Septic tank underground movement** – unknown, Underground pipes & septic tank damage leakage in my backyard - Smells. Sewerage. Germs. Disease ? no thanks !

No more backyard cricket. I have pink worms in my septic tank & frogs sometimes, what will happen to them, What will happen to me, \*What will happen to everyone\* ?

How will all the above NOT be affected by Hume Korean Coal Mine land subsidence, water extraction & feather tunnels ?

EIS... land subsidence min Impact 20 mm by Hume Korean Coal.

**How would this be true? Highlands Aquifers are inter-connected !**

**Aquifers Water Table reduction will cause unknown land subsidence. !**

Underground Geology massive water loss – very quickly – dewatering, de-pressure ?

How, where, when would land subsidence **NOT** cause massive impact & damage?

**Ground water extraction, land, soil, sub-soil subsidence ?**

**EIS: - admits Hume Korean Coal will cause land subsidence.**

**Soils, Sub-soils, Sub terrain Rock Structures, Air pockets, Fluids fluctuating, Gravity / Weights' HOW? where will the land subsidence take place?**

**Under Hills, Valleys, the Rivers, Creeks or Streams? under Medway Dam.**

Note:- this will take place in the Sydney Drinking Water Catchment zone.

Land Subsidence under rivers, creeks, streams, water courses – not good.

Impacts to Sydney's Drinking Water Supply for millions of people – unknown.

**Southern Highlands Aquifers' levels start around ½ a metre below the earths' surface, water table depths vary all over the Southern Highlands.**

**Land subsidence will vary all over the Hume Korean Coal Mine Foot Print.**

**How will Hume Korean Coal Mine pay for all damages by the land subsidence they will cause in the months, years, decades & the future – when the mine closes?**

**Who will be monitoring the Short, medium, long term impacts to all Septic Tanks & Sewer pipes, sewerage systems, Moss Vale sewerage treatment works pipelines. All underground utilities for all the Residents in Exeter, Berrima, Moss Vale, Sutton Forrest & all the Southern Highland Villages & Towns affected by land subsidence?**

**Please investigate Feather Mine Tunnels & Aquifers – foot print underground this is very important. ! radius 50 km or over 300 kms coal mining impact?**

**How will I personally go about reporting my own land subsidence damages & to who? Who will fix these problems, when & how, new for old or what? & who will pay the \$ damages bills.**

**Who will organise and pay for all the parts, hardware/ infrastructure / components, Tradesmen / Technicians qualified to fix all the damage done by Hume Korean Coal Mine land subsidence?**

**Please ask the relevant Gov't departments who maintain the telegraph poles & wires,**

**Telegraph Poles & Wires will fall down because of unstable soils and sink holes.**

**Sink holes small and large will be caused by water extraction, land subsidence.**

**NBN – all the people who dug the trenches and installed all the NBN cables - They too will have to attend & fix the broken NBN underground infrastructure networks when land subsidence takes place. **How long will the NBN & Communications be down for?****

**How will Hume Korean Coal Mine **compensate** all residents & business & anyone who relies on the NBN, land lines, electricity supply.**

**Ooops' just remembered the **Towns & Villages drinking Water Supply** water pipes are also under the ground – ruptures / broken pipes will occur with – land subsidence – please contact the Water Authority they will be needed too.**

## **Direct Negative Impact on My Life – By Hume coal mine Land Subsidence risk**

My **telephone** is a land line. I drink & use the **water supply**, I use **electricity** too. (I don't use gas, but you may have to call the **gas** suppliers– the street / village gas pipes are under the ground too.

**Major Negative Impact** Hume Korean Coal Mine **Subsidence** will have on the:

**Electricity Grid** - for the Southern Highlands & Surrounds.

**330 kv & 132 kv** - '**the staunch-ins**' the huge 'metal legs' the foundations that support these **330 kv and 132 kv power lines** are **built on land above the Aquifer**. On the Coal mine footprint !

What is **330 kv and 132 kv**? what does this represent?

**What would happen if land subsidence caused the **staunch-ins** to fall and the 330 kv – LIVE power lines fell- touched the ground - lets say for example fell on the ground over the Hume Hwy, Freeway? On people, on Homes, that would be very sad.**

I don't want to think of any further re-percussions, its' to upsetting. – People would be injured or worse if these power lines fell down. Yes, in this day & age there are homes built near these power lines.

**Natural Gas Pipeline** - High Pressure Gas Pipe runs through the Coal Mine footprint. North East to South West - underground coal mine footprint & Subsidence Zone.

**Submarine cables**. – running under and through Waterways & Aquifers –

Aqua Cable casings - expose to elements crack / dry out/ metals /soils /salts / ph. /dust particles/ fatigue/ water /earth movements / UV damage, exposure to chemical waste ?

**Subsidence - Massive risk - direct cause water extraction & feather tunnels.**

Where & when will Subsidence cause impacts to Utilities, Infrastructure, Farmlands, Homes & Communities ? What will happen to all the Children & Adults ?

**Earthquake hits Southern Highlands. Coal mine Subsidence creates major damage to Homes, Towns, buildings, infrastructure, Roads Rail lines etc**

**Or Prevention! No coal mine = Southern Highlands minimal damage to all.**

ref: - NSW Gov't Topographic maps Moss Vale 8928-1N, Canyonleigh 8928-4N

## **Natural Gas Pipeline - High Pressure Gas Pipe**

### **North East to South West in the underground footprint & Subsidence Zone.**

**How will Hume Korean Coal build underground feather tunnels & infrastructure under or over the Natural Gas Pipeline Lawfully Safely and Risk free?**

**EIS - How many km's is the High Pressure Gas Pipe under Coal Mine footprint.**

**EIS- Under the Natural Gas Pipeline what is Easement Depth below the Pipe?**

**EIS: What, where are the Gas Pipeline Easements 3DMaps– this is very important !**

**Natural Gas high pressure Pipeline Easements - what are they for?**

**EIS:- Building coal tunnels under a Gas Pipeline under a Damaged Aquifer - How?**

**How is The Australian Eastern Seaboard Gas Pipeline affected, direct ramifications?**

**EIS:- Natural Gas Pipeline Drilling / Blasting area underground / above ground**

**What is Gas pipe composition? Structural resistance to concussive drilling / blasting?**

**High Pressure Gas Pipe - real depth v mapping? v easement depth ?**

**Soil/subsoil structures around pipe? Stability ? micro leaks – any friction sparkings ?**

**Earthworks - Vibrations, subsidence - Sink holes?**

**Gas pipe – age, current condition, future condition tba ? micro leaks, leaks. etc -**

**Emergency Gas shut off valves– both ends north & south, where?**

**Gas Pipeline - how many km's runs under Farm land in Hume Korean Coal footprint?**

**How many km's feather tunnels built in shallow depth coal seams under Gas pipe?**

**What happens \* if \* The Natural Gas Pipeline is compromised ?**

**How will Hume Korean Coal avoid a catastrophic Gas explosion? Km radius?**

**EIS what are the **Emergency Plans & Procedures** - above & below ground and **Evacuation procedures & exit roads for the population Berrima, Exeter, Moss Vale, Villages & surrounds** ? How many thousands of people directly & indirectly**

Everyone will need to know the **Evacuation procedures & exit roads**, what to do, where to go. How do they find family members & how & where to keep safe.

Who sets up Command centre, No-Go Zone, Co-ordination, Emergency services all needed. How will Hume Korean Coal avoid mass panic / casualties / loss of life?

**Natural Gas Pipeline - Direct - Specific Facts – the whole Truth.**

EIS: Mining drilling equipment ruptures Natural Gas pipe y/n? Gas Cloud y/n ?

EIS: Subsidence pinch Gas Pipe, micro/ major leaks- fissures or Gas builds up y/n?

EIS: Mining explosives too close to Natural Gas pipe y/n Ka boom

How is the Natural Gas turned off, where, when & by whom? Wind direction ?

**What happens \* if \* High pressure pipeline Gas not turned off ?**

EIS: How will Community Safety be achieved?

EIS: How can the probable “Ka Boom” be avoided ?

*\*Natural Gas – Bushfire scenario - How will the Southern Highlands be?(page 20)8as*

What happens \* if \* Coal seam sparks / fire + gas pipe micro leaks = Ka boom

How many real people, families, children, workers, farms, vineyards, small & big business, factories, schools, visitors & tourists’ are in the “ Ka boom” Radius Zone?

Homes, Farm Land & Aquifer - blown to smithereens, air, soil, water contaminated.

How long will the clean up last, for how many years ? Is it possible?

**It is not right to leave this potential disaster for the next generation to clean up !**  
Especially when **we know** some of the **Negative Impacts** of Hume Korean Coal Mine

**EIS – Natural Gas Pipeline - The “Ka Boom” Zone**

What will be the “Ka boom” kms’ radius? - Above & below ground ?

How many Thousands of people injured / may die if the Gas Pipeline is damaged? .

..

\*if \* this coal mine goes ahead the repercussions are enormous. This is very stressful.  
I’m very concerned my brain won’t think of all the relevant questions I need to ask.

How many unknown terrible consequences may occur?

How will thousands of People be Safe from Harm \* If \* this Coal Mine goes ahead?

**All our Homes, Farms, utilities, infrastructure are built on land or underground in the subsidence footprint EIS data where ? - Hume Korean Coal mine project.**



Natural Gas Bush Fire scenario by J. Smiles

written 2018 before the Villages catastrophic bushfires of Summer 2019 - 2020

Natural Gas Pipeline - \* Warning \* On a Hot Dry Day, sometime in the future

HOW would / could a Gas Pipeline Fire be put out? Gas leaks, ignites.

How do you turn off "High Pressure" Pipeline Gas ? Where, When & by Whom ?  
How long would it burn for ? When will the pipeline gas be turned off. ?

**\*\*\* Emergency Alert \*\*\***

Gas Pipeline Explosion - Fireball - Golden Vale Road Southern Highlands  
Sutton Forest Oldbury road - Illawarra Highway > 1km Crater Explosion Zone

Emergency Alert... Sirens? Surrounding topography... Hot & Dry

Natural Gas Bush fire, Wild fire, Catastrophic event !

Fire front... Hot - Dry Gustily Winds – Current wind Easterly direction.

State Forest on fire – out of control, Fire traveling fast ... kms' per hour Gale Winds.

Toxic Gas cloud, bushfire, smoke, wind currents erratic – coming from all directions.

Ground Zero Gas Fire Ball no.1 - Explosion Catastrophic, Sutton Forest >1km  
Mega Crater Natural Gas pipeline both ends- north & south on fire - situation critical !

South pipe end 2nd Gas Fire Ball - Sally's Corner road & Hume Hwy Freeway –

Petrol Stations x 2, Trucks- double bogies, School Buses, Cars, multiple lane pile ups  
caravans x 2 Massive carnage entire freeway all lanes engulfed. - situation critical !

3rd Gas Fire Ball... up northern pipe vaporises Moss Vale Gas Works. (God help us)

Whites creek vaporized. Stony creek on fire !

Evacuation ordered for all Areas - Berrima, Exeter, Moss Vale, Sutton Forest ,  
Canyonleigh all Villages & Surrounds... Code **RED**

Safety Zones: Bundanoon sports field and Wingecarribee Reservoir - Kangaloon.

Radiant Heat Wave:– Golden Valley, Gingenbullen Mtn, Exeter, Moss Vale ,  
Mt Broughton, New Berrima, south eastern side Berrima township.

Concussion Wave - Hillview- Bald Hill - Blakes Hill, Bong Bong common, Cherry  
Tree Hill, all roads - highways in & out - casualties Sutton Forrest Area – unknown.

Emergency Vehicles:- Illawarra Hwy, Hume Hwy, Syd to Melb Fwy all roads closed.

Helicopters: - smoke, gas cloud, visibility zero. Rescue Evac Choppers unable to land.

How & where will hundreds, even thousands of people go, act / react to this

Gas pipeline explosion, Gas cloud and Catastrophic bush fire event. ?

Damaged roads, vehicle access in-out surrounded by bush - some engulfed in flames!

Medway Rivulet– 2km water evaporated in explosion. (water low due to coal mining.)

Wells creek km's on fire, trees dead, dry vegetation (water drained by coal mining)

Coal tunnels “feathers flew away”. Underground Coal seams on fire !

Wind direction changed now South Easterly, winds fanning flames racing along Oldbury & Stoney creek beds. Fires out of control. New Berrima on Alert.

Wind fire now racing up Medway Rivulet towards Mereworth road, Embers flying every where. catching a light the dry vegetation, trees busting into flames, wind fire roaring at ...km per hour.

Strong winds created a fire Tornado.

Fire front now racing over hills towards Coal Mine headquarters - Coal mine shafts & Dry Coal stock pile 8 storey's high one km long – Sprinklers not working - no water unable to extinguish. Coal stock pile, underground now on fire! Evacuate **HOT Zone**

Western canyons now ablaze, wind fire tunnel, roaring through dried vegetation along the dead river beds, through valleys- racing up slopes 2<sup>nd</sup> fire front.

Wild fire Hurricane force winds - 3<sup>rd</sup> fire front Top ridge to the south west.

Comfort Hill rest area - underground Dunny explosion !

Sirens screeching - Evacuate village Canyonleigh – All residents – unable to evacuate one road in/out – road closed Fire front accelerating, ... we need water now !

Main Water Pipeline underground within Blast Zone Bursts, Water Pipeline ruptured damaged in gas explosion - no mains water - Rural Fire Service unable to put out the fire. No water, no access. R.F.S unable to attend– entire area unsafe - code RED.

Emergency Call all-band widths: -

“Queen Neptune just sighted ‘ Elvis ’ flying over Bundanoon Dam ” Hundreds of people evacuated to Bundanoon sports field, stood in formation and spelled out a human thank you, as ‘Elvis’ flew by.

Thousands of people evacuated to the Swamps around Wingecarribee Reservoir.  
Hundreds walking, others running dangerously across the 1km wall to safety. Left side the Valley flames licking at their heels, the dam water just on their right.

“ Daisy Bell ” swooped over the Swamps, flew down over Wingecarribee Reservoir sucking up water, filling her large udder belly, looking more like a giant dragon fly.

Thousands of Highlanders waving & cheering to Daisy Bell ...

The Flying Water Tankers, - bushfire put -err- out err ex-strawdinaires saved the day!  
Saved us all and the Southern Highlands. !

Question? The above true or false / possible or probable?

What extinguishes High Pressure Gas Pipeline fires? How do you get A team in?

How would / could a ‘ Flying Water Tanker ’ put out a Gas Pipeline fire ?

What happens when Gas NOT turned off. Gas pipe shut off valves ?

Ka boom... my house ¼ acre land has gas pipes under my front lawn – I don’t use gas.  
Where will I live Mars or up in Heaven. ?

On a lighter note: All new “Lake Queen Neptune” Golden Valley - Sutton Forest.

**The Southern Highlands Aquifers saved everyone !**

the RFS, the Ambulance and Police Rescue all the Emergency First Responders, the Pipeline Safety Valve Station and the Dam Wall \*from Gas Fire Ball no. 4

The Gas pipe explosion split the Hawksbury Sandstone Aquifer in two, a new lake was born: \* The Queen Neptune \*

Aquifers waters sprayed out like fountains thousands of metres in the air, all over Ground Zero. Extinguishing all the Smoke, Gas Cloud and flames, to the North, South, East & West, saving Golden Valley , and all Villages & Towns

Ps. Swimming not allowed - the lake is filled with Bubbles – Natural Gas Bubbles.

Lake Queen Neptune - Gas pipeline repairs.. eta - ? Eastern Seaboard pipeline ?

**Water = Life.**

\* If \* The EIS data is incorrect, wrong, fake or just smoke & mirrors, by Hume Korean Coal project - what will happen to the Southern Highlands ?

My Self & our Community have been working very hard over many years, for the Southern Highlands - EIS Truth... Thank you for taking the time to read my letter.

## **Tourism**

Thousands of Australian & Overseas Tourists visit the Southern Highlands.

All Ages kids, young, old & middle age people from all walks of life.

This is why every year thousands of people love, enjoy and look forward to visiting our Beautiful, Southern Highlands.

**Tulip Time** Thousands of Australian & Overseas tourists visiting during Springtime

**Pie Time** Award winning bakers produce delicious pies for visitors from everywhere

**A day on the Green Concerts** – 40, 000 visitors (10,000 people per concert x4 pa)

**Historic Berrima Township** - the Best in Australia thousands visit p.a

**Open Gardens** Springtime Cherry Blossoms & Tulips, Autumn colourful trees

Tour buses drive from far & wide to visit Beautiful Highlands Open Gardens.

**Vineyards cellar doors & gourmet** , Local Food Produces paddock to plate,

**Cricket Bradman Museum**, Bike riding, Walking through lovely Environs

**Brigadoon- Bundanoon**, Glow Worm Glen, magnificent Canyons, Bush walking,

**Scenic Tourist Driving green rolling hills Highlands country roads** , **Art Trails**,

**Fairs & Fates, Agricultural Shows Moss Vale show, Robertson Show**,

Hillview Sculptures, Restaurants' Cafes, Tea shops, CWA cake stalls.

Weddings, Party's, Celebrations Functions, Golfing, plus many more... just visit

The Welcome Centre, Destination Southern Highlands... Mittagong

**\* If\* toxic chemical mine water goes into the environment by Hume Korean Coal.**

**Tourists – Gone Jobs gone, unemployment economy a massive negative Effect**

Tourism – come & see all the dead trees - water ways empty- poisoned Aquifers leaching toxic coal mining chemical sludge – soils contaminated, Agriculture Gone

Gone all the open gardens- soils dead, Gone Spring flower, cherry blossoms Gone

Gone –Vineyards, Paddock to plate, local produce gone café's, restaurants' gone

Tree roots in contaminated soils - dead - all the Autumn colour - trees gone –

Closed down gardens, dead soils- all flora & fauna dead.

**Gone all Tourist roads km's of dead or dying rolling hills. Tourists – Gone.**

**If\* toxic chemical mine water goes into the environment by Hume Korean Coal.**

## **EIS Mining Techniques by Hume Korean Coal**

Feather Tunnel Coal mine – “new technique” - Not tested in Australia - unknown

Or 2<sup>nd</sup> option Long-wall mine – below ground Illegal in water catchments y/n ?

Feather tunnels unknown, expensive, not financially viable,- Why would Hume Korean Coal run at a \$ loss? How long for? Why? And How will it work correctly?

How will they pay their bills? How will they pay their work force - employee wages - 300 jobs for local people. How will Hume Korean Coal mine running at a \$loss help the Southern Highlands unemployment? Unemployed people need PAID employment!

**EIS... Accommodation building for hundreds of Hume Korean Coal workers. Why? what for? Local workers go home after work, to their own homes.**

What is the REAL jobs status. How many FLY-in FLY-out workers will fill 300 jobs. What town, city, country? be specific how many real jobs for local unemployed people

**\*fly-in, fly-out workers money not spent in the local Highlands Economy.!**

**EIS...Employment –Not specific how many real Local jobs and how many jobs for overseas workers eg: on 451, 457 visa's etc. What pay rates will Hume Korean Coal pay? Korean or Australian minimum wages & conditions?**

**EIS... Southern Highland Local Job Losses - Unemployment will Rise. !**

Highlands employers- how are they affected by Hume Coals Environmental Problems.

Thousands of local people work, live & invest, in the Southern Highlands.

**Direct & Indirect jobs gone, local economy Income – Gone. where is this data ?**

**Local Farms / Agriculture / Vineyards rely on Clean Water bores & Clean Soils will have massive Job losses, self employed, - income gone, Aquifers soil /water toxic farmland –uninhabitable Homes – gone. Families gone - We all move way.**

**Or is this what Hume Korean Coal really want ? Just to access coal for 20+ years ?**

**We are left with Toxic Environs' Forever – all Toxic Aquifers Ground Water Rivers, Trees, Soil contamination -Toxic Chemical coal tunnels for Generations.**

**This is not right. This is not acceptable. Should be against the Law**

**Unemployment Short, Medium, Long term unknown – repercussions’ to local Families, Homes, Crops, Farmlands, Vineyards, store owners, shop keepers ?**

**Our homes are built on land above the Southern Highlands Aquifers.**

What will be the **Toxic Aquifers’ footprint**, where will 45,000 people live ?

**Longwall mining. 2<sup>nd</sup> option EIS Mining Techniques by Hume Korean Coal**

When is Longwall mining against the Law ? Hume Korean Coal mine creating tunnels in, on, around Waterways, Aquifers, Rivers, Creeks, Streams, Dams.

How will Hume Korean Coal **not damage / drain waterways?**

**Sydney Water Catchment - negatively affected by Hume Korean Coal Mine**

**Medway Dam - drinking water supply - Berrima**

How will Hume Korean Coal mine **replace the water for the entire town if the dam is affected by mining operations eg vibrations, land subsidence /walls crack / toxic seepage, toxic waste run off, water level drops / disappear or is contaminated?**

EIS ... Low impact mine. little or no impacts to any thing or any one.

EIS... will protect water sources. – facts details **HOW ?**

EIS... **Pristine Aquifers - will take billions of litres of clean water out of Aquifers and lower water table by > 80 metres by Hume Korean Coal Mine**

**Then contaminate the Aquifers, and underground sub- terrain by re watering. will pump their toxic chemical waste water back into the Aquifers’ the local creeks & rivers, underground voids / empty coal mine shafts and tunnels.**

This is Hume Korean Coal Projects EIS !

**This EIS is unacceptable – should be against the law !**

**It is wrong:- !**

**Morally & Socially wrong to first drain Aquifers then contaminate re-water those Aquifers and waterways with Hume Korean coal mines Toxic Chemical Waste Water. Aquifers’ foot print radius >300 km’s.**

What will be the **Southern Highlands underground contamination Zone?**

**My home & My life will have direct Negative Impact by Hume Coal mine Project.**

**The Toxic Aquifers' & toxic sludge waste underground tunnels & voids will be Contaminating our lands, soils, sub-soils, rivers, creeks, streams - Forever.**

Land under our houses, land under farms, land under vineyards, land under local creeks, rivers, streams, **all Contaminated - under My land - under My garden. !**

**The Southern Highlands Pristine Aquifers Must Be  
PROTECTED for all Generations for all time !**

**EIS... will place coal mines Waste water / Toxic waste chemicals & compounds into empty underground coal mine shafts / tunnels and voids -then seal off .**

**EIS... will transfer into the Aquifer - Toxic waste water, chemicals & compounds**

By the Hume Korean Coal mine

**Aquifers' 300 km footprint underground. Coal mine tunnels are km's long..**

**How are " seal off " Voids, Tunnels, Aquifers done by Hume Korean Coal mine**

Where are the proven engineering details for successful seal off.

**How will the "Seal off" be done? what Materials ? How will km's of empty mine tunnels and shafts and how will Aquifer voids be 100% Sealed off ?**

**Who will monitor for leakage / structural damage / collapses / failure's & how ?**

By what Equipment. Who will fix it correctly

**When will we know? - Problems first occur underground ?**

**How will empty coal mine tunnels be sealed to stop Toxic Chemical Waist - Coal Toxic sludge leaching into soils / sub-soils & the Aquifer above the coal tunnels?.**

Heavy metals, heavy chemical compounds sink to the bottom, lighter chemicals oils/ contaminated water will ½ submerge float up later, other chemicals - oils float onto the surface, chemical reactions will happen, unknown toxic liquids / gas / vapours will fill the tunnel voids.

**Maybe the Toxic Chemical Leakage will be under MY HOUSE !**

**I say NO to this mining practice.**

**The Unknown chemical cocktail will vent through surrounding soil particles, rocks, cracks , fissures, and up into the pristine Aquifer above.**

**These toxic unknowns will rise up.. and up and... CONTAMINATE My Land !**

**My house, Our farms, Villages, Our Towns are all built on land on top of the Southern Highlands Aquifers. How will Hume Korean Coal pay for all Southern Highlands 45,000 people to relocate. When Our land, soils / sub soils, Aquifers, becomes a contaminated toxic chemical danger zone – uninhabitable?**

**EIS: Toxic Chemical ‘sludge’ liquids generated by Hume Korean coal mine - What will it be? Hume Korean coal mine EIS called it re-processed water.**

**What will be all the chemicals & compounds at the mine site**

**A full itemised Chemical List please. Including known carcinogens- cause & effects to human health and food chain & water supply**

**How will the chemical sludge act / re-act ?. When will it turn from or into a solid, a liquid or a gas, – inside the underground mine shafts / tunnels & aquifers’ voids. ?**

How & when will the toxic sludge expand / contract against the insides of coal tunnel walls & Aquifer voids?

How will Toxic sludge act / re-act to metal eg:- gas pipes corrosive yes or no ?

Earthquakes yes... quakes and tremors do & will occur in the Southern Highlands.

***How will shock waves move through*** Hume Korean coal mines, underground works, workers & empty tunnels? ½ empty feather tunnels? ½ to full toxic sludge tunnels?

Earthquake shock waves travel through solids & liquids differently.

The earths particles warm up- expand- vibrate, this will trigger chain reactions.

EIS... Feather tunnels “new” Technique? How will :-

**Toxic waste water & feather tunnels act / re-act to earthquake shock waves?**

**What will be the Chemical, Geo-physical and Structural chain reactions?**

**How will Aquifers, voids, mine shafts, tunnels filled with mine toxic waste water, toxic chemicals & compounds waste, re-act to earthquakes & tremors ?**

I’m getting a headache – Please ask the Earthquake Scientists, and Chemical Scientists and their Associates’ about this. I’m very intelligent a semi Genius—a full Genius knows the answers to this: -



**How will Hume Korean Coal Mine chemical waste water act / re-act to:-**

**Earthquakes shockwaves - heat / friction / particle vibrations, chemical & / or geological pressure – act / reaction to the un-known toxic chemical compounds?**

**And**

**it will all occur inside Aquifers / voids /underground tunnels / cracks / fissures fault lines- then up to the earth's surface...**

**And up Under MY HOUSE ... !**

EIS... Aquifer / groundwater table lowered & re-watered by > 80 metres

Does this mean 80 metres of Aquifer Voids Hume Korean Coal will be using for all their toxic chemical waste water dumping?

**Aquifers are not Sewers or Toxic Waste Water Garbage Dumps for Hume Coal !**

**My Healthy Environs would change forever:-**

Aquifers = Pristine Southern Highlands Aquifers.

**I believe all the Aquifers are inter-connected** , lower the water table of one Aquifer and surrounding Aquifers also affected (gravity & de-pressure) all water levels drop. Aquifers estimated 300km water ways drains into Sydney drinking water catchment.

How will Hume Korean Coal build a coal mine UNDER a pristine Aquifer and NOT damage or pollute or contaminate the Aquifer & Environs?

**Who will be INDEPENDENTLY monitoring Environmental Contamination ?**

How will depth monitoring be done, When will it be done - day/month/years.

How is it Geologically possible. Where – what locations, - What depths. Clean soil moisture v chemical liquids? Contamination concentrations – particulates.

Who monitors / takes samples / create the real stats/ data/ analysis- for public display.

I'm highly intelligent and this is way past my field of expertise. (how will the average Adult/Child living in the Southern Highlands understand the ramifications ?)

**What happens when the Aquifer is contaminated?**

How specifically is a pristine Aquifer “cleaned up” ?

**Drilling a mine under an Aquifer must cause contamination?**

**EIS... they will put toxic chemical waste-water back into the Aquifer & coal mine tunnels. will not do any damage to Aquifers. Hume Coal project -a conundrum !**

EIS... water table lower by > 80 Metres.

**Massive Water table reduction = Soil Moisture Depletion.**

Impact - Massive soil dry outs / dust bowls, ripple affects- their will be - no farming, massive Negative impact surrounding agriculture lands. Dead trees = erosion.

Drier sub-soils = dead Zones.

**Dried out soils =** Dead worms, All flora & fauna dead, Dead microbes, Land - Dead. How many km's of dead land zones ? Farmlands – Forests – Highlands ?

**EIS... Water trucks offered by Hume Korean Coal**

Soil moisture depletion for ? km's land - how many water trucks will be required?

For how many years & where will the water come from - all the local Aquifers & Rivers will be empty - Hume coal Mine will use & contaminate all water environs...

Water Licence -

How many water Licences will the Coal mine require ?

How may do they have? Where will missing water licences come from?.

How much \$money will Hume Korean Coal pay for water ?

Who monitors the water usage? dd / mm / yy

What happens if too much Aquifer water taken out, than the water Licence allows?

Who would know?

When will Hume Korean coal operate the mine without all the water rights?

After the Coal Mine starts operating It will be Too late to stop illegal water extraction.

**Breaking the Law penalties.** Fines should/must be in the \$Millions' of dollars

**AND MUST RETURN all illegal water taken by the Coal Mine. Clean water !**

**EIS ... 70 years\_ rain will recharge the Aquifer. True or False**

**Exactly how much Water will Hume Korean Coal Mine take out of the Sydney drinking water catchment.** This is the Highlands Aquifers, Rivers Creeks & Streams.

How are we to believe rain fall predictions. Where did Hume Korean Coal get their rain fall figures from? A crystal ball. When does Hume Korean Coal say the next drought will start ? **Before or after they extract all Our Groundwater \***

We were in drought. Our Environment needs Water, People need water to drink.

**Drier Soils, Sub Soils + Drought = Environmental chain reaction.**

**Negative Environmental impact above & below ground radius for the Coal mine footprint just expanded to ? how many kms - possible > 300 kms .**

**EIS - Coal stock piles water usage above ground -water spraying sprinklers over Coal Stock piles 8 storeys' high 1 km long**

Coal dust winds >100 km per hr, blows coal dust all over the Southern Highlands. Prevailing Westerly winds – yearly cycle occurs August –

**Coal dust winds .**

Wind speeds reaching >100 km per hour. How will Hume Korean Coal stop the coal dust blowing all over the Southern Highlands in strong winds. ?

Windy weather starts in March and lasts until November in some years.

**EIS... Water sprinklers over 8 storey coal stock piles 1 km in length.**

How will this achieve results in prolong & gusty wind speeds. Water usage/runoff ?

**Air bourn Coal Dust sediments** - up my nose, in my mouth, inside my lungs, on clothes drying on my washing line, in my water troughs, on my plants, coal dust all over my vegetables, gardens, roofs- rain water collection tanks – yuk.... no thanks.

**Coal Trains & Trucks** - Truck movements massive increase damaging road surfaces who pays ? . Heavy vehicle diesel trucks? double bogies? driving through our towns rumbling past our Homes. **Peace & quiet living gone, sleeping – not.**

Very noisy Coal Trains and Trucks, unacceptable Noise, diesel fumes/dust pollution.

**Breathing in coal dust & greasy diesel fumes, inside my home, on my curtains, - inside my lungs yak. All windows & doors in my own home – closed forever ?**

**I choose to breath clean country air, not diesel fumes from trucks everyday and not coal dust winds everyday until I Die.**

**Coal train wagons: -**

Hume Korean Coal representative Ben Fitsimmons said on the local 2ST radio station. they will cover all the coal train wagons. What does the EIS say ?

What materials will the coal train wagon coverings be made out of. How will it be permanent or temporary, how will it be UV treated, how will it be non- perishable, how will it expand/contract in hot / cold weather conditions – Highlands climate winter has ice –frosts even occasional snow.

Who will check that the Coal train wagon coverings must do what they say they will do. Cover & contain the coal & coal dust.

**Policies & Procedures for Hume Korean Coal Mine Company**

I want to ask these questions, I only need limited answers, this makes me sad.

**Public Safety**

Security and the Bad guys & the Crazy bad guys in the world we live in today.

Please forward/follow through with the appropriate Gov't departments.

**I want to know are we safe - all 45,000 people in the Southern Highlands: - are we safe from harm ?**

The Security – of all explosives / dynamite etc what they will use at the Hume Korean Coal Mine, **will it be 100% Secure ?**

I would like you to please ask the Australian Federal Police & ASIO to be included in, and take full responsibility for - the Security for the Hume Korean Coal Mine.

Permanently for 20+ years and not having the Security outsourced.

Would this be possible, \* if \* the Coal Mine gets approved?

I do not want to know the security details.

I believe the Security details should not be in the public domain – (don't tell the Bad guys anything).

**I do want to know, are we safe from harm. ?**

I believe it would not be fair on the local Police to have all this responsibility.

I say **No** to the entire Hume Coal Project. **It's wrong for the Southern Highlands.**

**I believe the EIS for Hume Korean Coal is not telling the whole Truth !**

EIS is miss-leading, confusing, ½ doubled up information, EIS.. – 13 Books –

13 telephone book sizes – re the Sydney yellow & white pages thickness - wow that's a lot to ask of the general public. Lucky for me, my brain EnJoys Research.

“\$ donations” to locals by Hume Coal has been miss-leading the public – I believe.

**To build a Coal mine under Pristine Southern Highland Aquifers, deplete water resources, pumping in toxic chemical sludge, unknown chemicals toxins into the Aquifers, underground soils , subsoils & water courses is wrong.!**

**- Toxic chemical mine water goes into the environment forever by the Coal Mine**

**Will lower the water table by > 80 metres for ...km's**

**Contaminate, creating toxic Aquifers, Soil / Sub-soils for how many ?km's**

**All the Aquifers are inter-connected !**

**Destroy by water loss - deprive farmers, agriculture, land owners, vine yards, destroy private gardens, my very own ¼ acre home & garden, yes my Aussi Dream.**

**All plants & animals living on land above & around the coal mine footprint will be unfit for Human Habitation or Consumption.**

**All will be rendered worthless. Un-inhabitable, un-fit, hazardous to Human Health.**

**Southern Highlands dairy cows – milk.**

Would *you* drink the milk from the cows, eating the grass, growing in the soil- in the Southern Highlands Aquifer ?

with a Hume Korean Coal mine tunnel **under the soil?**

Please keep in mind-

(1) **Cows drink water from the creek.**

the same creek Hume Korean Coal mine will use for their

**toxic chemical waste water outlets & chemical coal washing drainage.**

(2) **Aquifers water contaminated** by Coal Mine **toxic chemical sludge re-watering.**

(3) **Soil has Toxic chemicals** Solids / liquids / gas / toxic vapours,

caused by coal sludge waste in coal mine tunnels in the soil under the grass.

Unknown toxic chemicals - toxic reactions – unknown. **Leaching probable.**

(4) **Food chain contamination 100% probable.**

(5) **Cows milk comes from cows, eating grass- growing in contaminated soil.**

would you still want to drink the milk ?

How will Hume Korean Coal mine under the Southern Highlands Aquifers  
and have no Environmental Impact ?

I say **No** to the entire Hume Coal Project.

Thank you for reading my letter,

Kind Regards

*J. Smiles*

J Smiles

