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PO Box 3475

Executive Director,

Exeter N.S.W. 2579

Resource Assessments / Business Systems, Planning Services
Planning & Environment GPO Box 39 Sydney NSW 2001

Thank you for the EIS extension period, it gave me enough time to attend Moss Vale library & read/ go through all the EIS books - all 13 EIS books I have looked at. (Not all in one sitting.) and thank you for reading this letter.

I make no donations to political associations.

I **Object** to Hume Coal Project EIS SSD 15_7172

I say no.

I request all mining leases should be cancelled. Mining leases NEVER issued Ever again in the Southern Highlands & any water catchment areas.

Aquifers, rivers, creeks, streams, Farms, Agricultural lands & water catchments, should be Protected forever.

Protection of Australias' Water , Lands & Food production areas should be TOP Priority - protect & preserve for all time.

I say NO to the Hume Korean Coal project & any future mining project/s – coal / coal seam gas etc because :

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

I do NOT want this to happen –

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, My community, the whole Southern Highlands, Fauna, Flora, green rolling hills, valleys, Pristine Aquifers & waterways, healthy fertile soils, clean air would be damaged, changed forever and look like this:

After Hume Korean Coal Mine

See picture please

Before Coal Mine

See picture please

EIS... Hume Korean Coal will be a Low impact mine.

EIS... Hume Korean Coal will lower water table by 80mtrs.

How will it be low impact? when the EIS states – **Aquifers** ground waters depleted – water table lowered by 80 metres.

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

Crown Land - Australian Native Trees, Aussi Bush, Forests, (close to The mine site) - will die.

For decades our Trees' grow their roots down into the moist soils on or near the Aquifer, water table reduction will cause tree roots to dry out & die, trees won't survive.

Massive tree die outs will occur.

This is the Sydney Drinking Water Catchment Zone.

How will Hume Korean Coal help keep our forests, our trees stay alive?

How will Hume Coal make the tree roots grow very fast & very deep - down –80 meters to access soil moisture in the lowered water table?

Water catchment erosion zones – The Coal Mine will trigger - dead trees that will create soil erosion - rain water runs down hills & valleys into water ways the rivers, streams & creeks. What will happen Sydney drinking Water Catchments Zone.

Southern Highlands experiences “green” Droughts because of our Pristine Aquifers . Our trees keep alive because of their root systems in moist soils in & around the Aquifer.

Local Farms / Agriculture / Vine yards who rely on:-

under ground springs & bores will have massive water losses when HUME Korean Coal 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 - Healthy clean soils & access to clean water –

The Southern Highlands - Clean, Green & Beautiful.

If the Coal mine was built - Tourism – come & see all the dead trees. Gone all the Autumn colours, Spring time - cherry

blossoms gone, km's of the lush green rolling hills – gone.
Tourists – Gone.

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, nature's life
cycles - organic soil structures will be changed, will die
when the water table is lowered – creating a massive soil
moisture reduction, top soil erosion will take place.

Soil Fauna & Flora above & below ground – dead, tree roots
dried out – eventually trees – dead.

Hume Korean Coal Mining will cause Direct Massive Impact
to my own land.

My own land soil moisture will be 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, top soil dried
out by drought, the sun, & wind.

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 the past 17
years. Planting tulip bulbs, daffodils, John Quills all sorts,
flowers, roses – a peace rose, miniature conifers, cherry &
plum blossoming trees, camellias' all sorts, and beautiful

rhododendrons', I enjoy working my lands wonderfully rich fertile soil, planting, nurturing & watching my garden grow. For 17 years Enjoying my beautiful flowering, deciduous & evergreen garden - every day of the year.

Hume Korean Coal Mine will Directly effect me – a massive negative effect on My land, My home, My Life.

A Lowered water table will impact my House & Land by:-

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

Hume Korean Coal Mine will directly create sink holes in the Aquifers rock/soil layers due to water extraction.

Sink holes will open up at any time in the future – Where & when - unknown- possibly under my house, or under my street, or when I'm driving on the Highway or riding the train – Sydney to Melbourne major transport links –

Hume Korean Coal Mine under ground tunnels/voids & damaged Aquifer will be under all the above.

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 – unknown mm/cm/ or metres

My future -? Subsidence – cracking - movement all My House foundations, my pipes - water/ utilities underground wires, phone lines, **septic tank** underground movement –

unknown underground pipes & tank damage/leakage in my backyard - no more backyard cricket. I have pink worms in my septic tank & frogs sometime too – what will happen to them?

How will all the above NOT be affected by Hume Korean Coal Mine....mm land subsidence?

EIS... Hume Korean Coal EIS states minimum Impact land subsidence will only be 20 mm.

How would this be true?

Aquifer/s water table reduction will cause unknown land subsidence.

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

EIS:- admits Hume Korean Coal will cause land subsidence. estimates ... 20 mm.

Where exactly, where & when will this land subsidence take place.

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

Note:- all this will take place in the Sydney Drinking Water Catchment Zone. Land Subsidence under rivers, creeks streams, water courses – impacts to drinking water unknown.

The Southern Highlands Aquifers' levels start '- estimated around ½ a metre below the earths' surface, water table depths vary all over the Southern Highlands – land subsidence will vary over the entire Hume Korean Coal Mine Foot print.

How will Hume Korean Coal Mine be paying for all damages by the land subsidence they will caused in the months, years, decades & will cause in the future – when Hume 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, Sutton Forrest, Moss Vale & all the Southern Highland Villages & Towns affected by land subsidence?

The Hume Korean Coal Mine has a massive underground footprint radius > 50 km (please investigate mine tunnel & Aquifers – foot print underground this is very important.)

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 would 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 the land subsidence / sink holes that will be caused by Hume Korean Coal Mining 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 the 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,

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.

Hume Korean Coal Mine – land subsidence will directly negative impact on me.

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.

Also.. Another very important major Negative Impact Hume Coal Mine land subsidence will have is on the:-

Electricity grid - the Southern Highlands & surrounds.

The **330 kv & 132 kv** power lines- the staunch-ins, the huge metal leg foundations – the structures support **330 kv** and **132kv** power lines are built on land above the Aquifer.

“Hume Korean Coal Mine” - land subsidence footprint zone.

What is **330 kv** ? what does this represent, what would happen if land subsidence caused the staunch-ins to fall & 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.

Submarine cables. – under the ground.

The Natural Gas Pipeline - running nth east to south west are all underground on land in the:-

EIS...Hume Korean Coal - land subsidence footprint where ?

Land subsidence this is a massive risk, where & when will land subsidence cause impacts to all the above utilities & infrastructure?

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

EIS Mining Techniques by Hume Korean Coal

Feather Tunnel Coal mine – “new technique” below ground.

Or 2nd option Long-wall mine – below ground.

Feather tunnels expensive not financially viable - Why would Hume Korean Coal run at a \$ loss? How long for? Why? What is the “ new” technique?

How will they pay their bills? How will they pay their work force - employee wages - the 300 jobs for local people? Hume Korean Coal Mine radio ad on 2ST our local radio station said this will help the areas unemployment.

EIS... Hume Korean Coal plan an – Accommodation building for their 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 the 300 jobs,

* fly-in, fly-out do not spend money in the local economy.

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

EIS... 2nd option – Longwall mining.

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

How will Hume Korean Coal not damage / drain waterways?

The entire Mine's footprint -The Hume Korean Coal Mine is in the Sydney drinking water catchment zone.

Medway dam. – Local Towns drinking water supply – 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/ seepage / toxic waste runoff, water level drops/disappear or is contaminated?

Ref EIS ... Low impact mine. – little or no impacts to any thing or any one. – Hume Coal will protect water sources HOW ?

EIS... Hume Korean Coal Mine will take billions of litres of clean water out of the local pristine Aquifers and

lower the water table by up to 80 metres.

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

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.

Aquifer foot print radius >300 km’s

What will be the Southern Highlands underground contamination Zone? The Hume Korean Coal mines toxic Aquifer & toxic waste filled underground tunnels will be **Contaminating our lands & soils Forever.**

The land under our houses, land under farms and vineyards, land under local creeks, rivers, streams, Contaminated under My land – under my garden.

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

Southern Highlands Pristine Aquifers MUST be Protected for all time for all generations.

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

EIS... Hume Korean Coal Mine will transfer into the Aquifer voids - the coal mines - Toxic waste water chemicals & compounds..

Coal mine tunnels are km's long. Aquifer 300 km footprint.

How will Hume Korean Coal mine “seal off” voids Tunnels and Aquifers ? What are the engineering details?

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 under ground ?

How will the empty coal mine tunnels be sealed to stop Toxic chemical waist - Coal Mine toxic sludge leaching into soils/subsoils & the Aquifer above the coal mine 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 the surrounding soil particles, cracks and fissures, eventually into the Aquifer above, the underground mine tunnels.

-These toxic unknowns will rise up.. and up and ...

CONTAMINATE into 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 Mine pay for the Southern Highlands population 45,000 people to relocate once the land, soils /sub soils , Aquifers becomes a toxic chemical danger zone – uninhabitable?

What will happen to the Sydney Drinking Water Catchment?

Hume coal mine Toxic ‘sludge’ - What will it be? Hume Korean coal mine EIS called it re-processed water.

What are 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 toxic sludge act/ react – when will it turn from or into a solid, a liquid or a gas. – inside the underground mine shafts/tunnels & aquifer/s void? .

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

Earthquakes yes.. quakes and tremors do & will occur in the Southern Highlands. How will shock waves move through Hume Korean underground works, workers & empty tunnels?

½ empty feather tunnels, & or 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 Hume Korean Coal “new” Technique?

How will the Hume Korean Coal mines’ Toxic waste & the **“feather tunnels” act/re-act to earthquake shock waves?**

What will be the chemical chain reactions?

How will the Aquifers & underground coal mine shafts / tunnels and voids filled with Hume Korean coal mine toxic water waste, toxic chemicals & compounds waste react to earthquakes & tremors ?

I’m getting a headache – Please ask the Earthquake Scientists, and Chemical Scientists & their associates.

I’m very intelligent a semi Genius—a full Genius knows the answers to this:-

How will Hume Korean Coal Mine chemical waste act /react 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 & underground tunnels cracks /fissures/ fault lines- then up to the earths surface

and up Under MY HOUSE ... !

EIS... Aquifer / ground water table lowered by up to 80 mtrs

Does this mean Hume Korean Coal mine have up to 80 metres of Aquifer Voids to use as their toxic chemical waste dump ?.

Aquifers are not Hume Korean Coals Sewer or Chemical Waste Water Garbage Dumps.

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 – water runs down hill) - all- water levels drop .

Estimated 300 km land & water ways all water drains into the Sydney drinking water catchment.

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

Who will be INDEPENDENTLY monitoring ,

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

How is it Geologically possible. Where – what locations, - What depths. Contamination concentrations - particulates.

Who monitors/takes samples/ create the real stats/ data/ analysis. And for public display. I'm highly intelligent but this is way past my field of expertize.

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...Hume Korean Coal state they will not do any damage to Aquifers they will put toxic chemical waste-water back into the Aquifer & coal mine tunnels.

EIS... water table lower by 80 Metres.

Massive Water table reduction= soil moisture depletion, will cause Massive soil dry outs/ dust bowls, & ripple affects their will be - no farming, surrounding agriculture lands massive impact – drier sub-soils = dead Zones. Dead trees = erosion.

Dried out soils – Dead worms, All flora & fauna dead, Dead microbes, Land - Dead zones. How many km's dead zones.

EIS... Hume Korean Coal offered water trucks.

How many water trucks would require to fix the soil moisture depletion ? – 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?

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

Who monitors the water usage?

What happens if they take more water out of the Aquifers than their 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 - When will all water licences come from.

Breaking the Law penalties.

Fines should/must be in the \$Millions's of dollars

EIS ... 70 years rain will recharge the Aquifer.

Exactly how much water will Hume Korean Coal Mine take out of the Sydney drinking water catchment region. This is the Southern Highlands Aquifers, rivers creeks & Streams.

How are we to believe rain fall predictions. Where did Hume Korean Coal get their rain fall figures from?

When does Hume Korean Coal say the next drought will start. Before or after they extract all the water.

Drier soils, sub soils +drought = environmental chain reaction.
Coal mine footprint - Radius environmental impact just expanded to ? how many kms - possible 300 kms.

EIS - water usage above ground – coal stock piles - coal dust controls. 24/7 water spraying sprinklers..

Westerly winds – yearly cycle occurs August – How will Hume Coal control coal dust winds?

A few years ago the August winds started around March and did not finish until November, 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.

EIS... Water sprinklers over multi storey coal stock piles.

How will this achieve results in prolong & gusty wind speeds.

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

Coal trains & trucks - traffic volumes & noise levels increased. Affects everyone.

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 tempory, 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.

Hume Korean Coal Mine company policies & procedures.

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

Public safety, Hume Korean Coal Mine 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 Hume Korean Coal Mine explosives / dynamite what they will use, 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 at the Hume Korean Coal Mine. If it goes ahead.

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 we are safe from harm. I believe it would not be fair on the local Police to have the responsibility.

I say No to the entire Hume Coal Project. –

It's wrong for the Southern Highlands.

I believe Hume Korean Coal **EIS** is not telling the whole Truth – Miss-leading confusing, ½ doubled up information, **EIS..** – 13 Books - (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.

Hume Coal was miss-leading the Public on radio – I beleive.

To build a Coal mine under the Southern Highland Aquifers' –deplete its water resource, then pump toxic chemical sludge into the Aquifers, coal mine tunnel/shafts & water courses is wrong.

Hume Korean Coal **will** lower the water table by 80 mtrs , contaminate / create toxic Aquifers & Soil/ subsoils for km's, destroy by water loss - deprive farmers, agriculture, land owners, destroy private gardens, my very own ¼ acre home & garden – yes my Aussi Dream.

All will be rendered worthless. – un inhabitable, un-fit hazardous to Human Health. All plants & animals living on land above & around the mine site will be unfit for Human consumption.

Southern Highlands dairy cows – milk.

Would **you drink** the milk from the cows, **eating** the grass, **growing** in the soil-

under the Southern Highlands **Aquifer** – with a Hume Korean Coal mine - tunnel **under the soil?**

Please keep in mind-

(1) the 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) **Aquifer**'s water contaminated by Coal Mine toxic chemical sludge waste re-watering.

(3) Underground coal mine tunnel filled with toxic chemical coal sludge waste. - Solids/liquids/gas toxic vapours.

Unknown toxic chemicals - toxic reactions – unknown.

(4) food chain contamination 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 an Aquifer and have no Environmental Impact ?

Thank you for reading my letter,

Kind Regards

J. Smiles

J. SMILES.

My Land - BEFORE My Home in 2017



My Land ~~**AFTER**~~ My Home in 2011

TELEPHONE POLE



