Brisbane Baylands EIR Scoping for all three alternatives, and other projects or plan, plus the No Development alternative

Potentially significant impacts that need to be addressed by an EIR:

1) Contamination:
    i) Dangers and concerns of mixing of contaminants, the resulting compounds and their health risks known, potential, suspected and unknown.
    ii) Toxic plume elimination
    iii) Contamination from puncturing the landfill caps for construction
    iv) Toxic landfill leachate containment and/or elimination
    v) Potential unknown contaminates as discovered in other landfills
    vi) Tidal effect in landfill on leachate

2) True Fiscal Impact Analysis for all alternatives:
    i) Police
    ii) Fire
    iii) Public Works
    iv) General Administration
    v) Water and water procurement
    vi) Cost of water treatment and waste water treatment
    vii) Water system purge
    viii) Sewer
    ix) Schools
    x) Infrastructure
    xi) Lack of Property Tax Revenue due to redevelopment funding

3) Geology:
    i) Potential Liquefaction
    ii) Subsidence of terrain – interim, during construction, and long-term
    iii) Dangers of importing dirt and soil from other areas for fill both during construction and in the future for correcting subsidence – including potential contaminants both chemical and biological – such as importing insects, worms, microorganisms

4) Hydrology:
    i) Fresh water/salt water interface
    ii) Tidal influx
    iii) Tidal action in the substrate
    iv) Tidal action in the landfill and dump
    v) Effect of rising sea levels
    vi) Effect of percolation through the medium
    vii) Effect of landscape irrigation
    viii) Effect on wildlife – both native and non-native – including, but not limited to migratory birds, stickleback, frogs, insects, rabbits, coyote, marsh habitat

and marine life - in the project zone, all areas adjacent to the project zone, and in the water flow of the project zone.

ix) Effects of release of treated waste water
x) Effects of release of untreated waste water
xi) Water procurement
xii) Water system purging

5) Transportation:
   i) Current cumulative traffic impact studies in the project zone, in the adjacent areas, locally, and regionally.
   ii) Future and potential cumulative traffic impact studies in the project zone, in the adjacent areas, locally, and regionally.
   iii) Freeway and roadway infrastructure construction needed prior to commencement of development
   iv) Freeway and roadway infrastructure construction needed during of development
   v) Freeway and roadway infrastructure construction for full build out under all plans
   vi) Trip generation reports

6) Archeology & Anthropology:
   i) Prehistoric concerns (Native shell mounds, other artifacts)
   ii) Historic concerns (Spanish history, Rancheros, Pre-earthquake and landfill/artifacts from 1906 and post earthquake, railroad roundhouse, Log Cabin (currently part of Silvestre's), modern dump and other historic concerns.

7) Quality of Life:
   i) Noise from potential uses
   ii) Noise from construction
   iii) Separation of community
   iv) Aesthetics
   v) View degradation
   vi) Emotional impacts
   vii) Increased commute times
   viii) Effects of lack of sleep due to construction and subsequent noise
   ix) Increase of dust
   x) Increase in suicides
   xi) Environmental toxicology
   xii) Impact of windows that open vs. closed commercial, business, and residential
   xiii) Emotional impacts of constant freeway noise
   xiv) Dangers of open windows in residential multilevel developments (for example children falling from open windows)
   xv) Smell of waste water and sewage treatment

8) Health Issues:
   i) Effects of breathing exhaust from freeway traffic

ii) Toxic plume
iii) Proximity to Kinder Morgan Tank Farm and pipelines
iv) Negative effects of freeway dirt on health of workers, visitors and potential residents
v) Effects of diesel exhaust and diesel pollution
vi) Accurately assess the potential effects of disease and epidemics from heavy population influx, both transitory and permanent.
vii) Effects of high speed rail on potential workers, visitors, and residents and wildlife.

9) Construction Issues:
   i) Noise Attenuation effects on all life – people, mammals, birds, amphibians, fish, etc.
   ii) Barotraumatic effects on all life – people, mammals, birds, amphibians, fish, etc.
   iii) Dangers of puncturing the landfill for pile driving
   iv) Dangers of vibrations on migratory bird eggs
   v) Disturbance of migratory bird due to pile driving and traffic
   vi) Disturbance on marine life of pile driving
   vii) Accurately assess potential danger of causing a pipeline rupture for gas, natural gas and other fuels.
   viii) Stress of pile driving on existing infrastructure including but not limited to pipelines, roadways, bridges, buildings, housing, historical structures.
   ix) Increase in heavy truck traffic
   x) Increase in construction workers and other transients – health, safety, provisioning, hygiene, accommodations, interim health care, and immigration issues

10) Energy Impacts:
   i) Energy needs of plan and potential of onsite generation
   ii) Energy needs of wastewater treatment
   iii) Energy needed for transportation of building materials, including but not limited to steel, concrete, soil, paving material, gravel, and landscaping.

11) Agricultural:
   i) Loss of open space for potential above ground food production
   ii) Loss of open space for potential algae farm for energy productions

12) Mineral:
   i) Impact on regional resources for gravel, soil, paving materials, concrete – in particular the impact to San Bruno Mountain due to demand for Quarry materials and recycling of materials, some of which may be contaminated.
   ii) Transportation of gravel, soil, paving materials, etc.

13) Other environmental concerns:
   i) Nitrogen Deposition Increases and the effects on the habitat

ii) Migratory interrupt for birds, mammals and amphibians and other life.
iii) Effects of increase in invasive species
iv) Effects of global warming
v) Dangers of importing dirt and soil from other areas for fill both during construction and in the future for correcting subsidence, landscaping, etc. – including potential contaminants both chemical and biological – such as importing insects, worms, microorganisms

14) Future concerns:
i) How to address ongoing changing conditions through the life of the potential project and development.

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