



Papua LNG Projek – Daunstrim

Sotpela Stori Bilong Ol Senis Long Projek (Projek Senis Samari)

ExxonMobil PNG Antelope Limited (EMPNGA)

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ExxonMobil

Ol tingting bilong Projek

Tingting bilong dispela dokumen em long givim sotpela stori long ol senis bilong Papua LNG Projek – Daunstrim olsem istap insait long Envaironmentol Impek Statmen (EIS). Dispela sotpela stori i tokaut long wanem kain ol senis na hamas senis i kamap long disain, ol senis long wok mak bilong Projek, na ol senis long wei bilong kamapim wok, na tu hau ol dispela senis i senisim wok bilong lukluk na skelim ol envairomental na sosel impek we wok painim aut i bin luksave na asesim pinis.

Luksave stori

Papua LNG Projek i gat tupela developmen hap we i wok wantaim, em Papua LNG Projek – Daunstrim (Daunstrim hap) na Papua LNG Projek – Apstrim (Apstrim hap). Papua LNG Projek – Daunstrim bai konstraktim ol ges tritmen fasilitis na ol niupela “liquefaction trains” long hap we PNG LNG Projek (LNG Plant) i stap nau yet.

ExxonMobil PNG Antelope Limited (EMPNGA) emi afiliet bilong ExxonMobil we bai igo pas long mekim wok konstraksen bilong Daunstrim hap. TotalEnergies EP PNG Ltd, emi afiliet bilong TotalEnergies long Papua Niugini, bai igo pas long mekim wok konstraksen na operetim ol Apstrim fasilitis.

Dispela Projek Senis Samari i givim bikpela piksa bilong ol senis long Projek disain we i bin kamap bihain long taim ol i givim EIS igo, na bihain long taim ol i givim Envairement Permit bilong Daunstrim hap.

Papua LNG Projek i gat tingting long wokim tripela niupela LNG treins long wankain hap we ol treins bilong ExxonMobil PNG Limited (EMPNG) LNG Plant i stap nau yet long Caution Bay (Sentral Provins). Dispela tripela niupela treins bai apim mak bilong LNG Plant long prosesim ol haidrokarbon we bai kam long developmen bilong Elk na Antelope gesfild insait long Galf Provins. Taim wok konstraksen bilong ol niupela LNG fasilitis i pinis na komisenin i kamap, Niugini LNG Operating Company Limited (NLOC), em wampela afiliet bilong ExxonMobil, bai igo pas long operetim dispela “integrated” LNG Plant (ol niupela na ol fasilitis we i stap pinis).

Long mun July 2023, EMPNGA i givim wampela EIS bilong Daunstrim hap (Daunstrim EIS) igo long Conservation and Environment Protection Authority (CEPA) bilong Papua Niugini. Long 18 February 2025, Minista bilong Envaironmen, Konsevesen na Klaimet Senis i givim “Approval In-Principle” long Developmen bilong Papua LNG Projek – Daunstrim. Long 24 March 2025, ol i givim Envaironmen Permit EP-L3(1008) bilong Papua LNG Projek – Daunstrim.

Piksa Figa 1: Bikpela Piksa Bilong Papua LNG Projek – Daunstrim



Daunstrim EIS i tokaut long ol wok we i mas kamap long konstraksen na operesen bilong “catenary anchor leg mooring (CALM) buoy” na ol infrastraksa we i go wantaim. Dispela ol wok i karamapim rausim bus na klinim giraun, digim baret na putim paipain, ron bilong ol sip, putim ol “marine exclusion zones” o hap tambu long solwara, na salim kondenset igo long ol sip.

Bihain long Envaironmen Permit EP-L3 (1008) i kamap, sampela senis i kamap long disain bilong Apstrim na Daunstrim Projek. Dispela ol senis i mekim na sampela wok we Projek i bin tingting long mekim bipo i no gat nid moa long kamap. Wampela aplikesen bilong senisim Envaironmen Permit EP-L3 (1008) i bin go long rausim o senisim ol kondisen we i karamapim dispela ol wok. Envaironmen Permit EP-L3 (1008) i bin senis long 4 May 2026.

Bipo long senis bilong Envaironmen Permit EP-L3(1008) i kamap, sampela wok bilong komuniti engesmen i bin kamap long yia 2026, stat long 16 Mas igo inap 26 Mas, bilong givim toksave long ol senis bilong Projek disain. Dispela ol engesmen kibung i bin kamap wantaim CEPA long Porebada (16 Mas), Boera (19 Mas), Papa (24 Mas) na Lealea (26 Mas).

Bikpela tingting bilong dispela senis em long rausim CALM buoy na senisim rot bilong kondenset paipain igo long wampela “Floating Storage and Offloading (FSO)” fasiliti. Igat tingting olsem dispela ol senis bai daunim kost bilong konstraksen na long sem taim daunim ol hevi o impek we iken kamap long envaironmen na ol komunitis.

CEPA tu i givim niupela toksave long ol lo na regulesen, we i karamapim wok bilong givim ol envairomen permit na wok bilong senisim yet ol dispela permit bai i bihainim ol senis i kamap long disain bilong Projek..

Piksa Figa 1 i givim bikpela piksa bilong Papua LNG Projek na ol infrastraksa we i stap pinis na i wok wantaim Projek. Dispela dokumen i stori long senis bilong Projek disain na ol senis long impek we i gat strongpela tingting bai kamap long ol senis bilong Projek disain.

Sotpela Stori Bilong Disain

Ol senis long disain bilong Projek i minim olsem kondenset bai i no moa go long LNG Plant bilong prosesim na bihain salim igo long ovasis maket. Expot paipain bilong kondenset bai i senisim rot na igo long wanpela “floating storage and offloading facility (FSO)” long Galp bilong Papua. Dispela senis i rausim nid bilong “CALM buoy” na ol narapela infrastraksa long solwara bilong rausim kondenset na naphtha igo long sip, wantaim “pipeline end manifold (PLEM)”. Bipo, i gat tingting long putim dispela infrastraksa long saut bilong LNG Plant wof we i stap nau.

Dispela “marine exclusion zone” o hap we i tambu long painim pis, we bipo i gat tingting long putim raun long CALM buoy inap long 500-m radius, wantaim narapela “navigation channel” bilong CALM buoy, bai i no gat nid long en moa.

I gat tingting long senisim rot bilong Papua LNG ges paipain na putim long not bilong LNG Plant wof we i stap nau. Dispela rot bilong paipain bai kamap long giraun na konekt igo long LNG Plant klostu long PNG LNG paipain we i stap nau. Ol wok konstraksen long solwara bilong dispela paipain, wantaim kondenset expot paipain we bai igo long FSO, TotalEnergies EP PNG Ltd bai i menesim olsem hap bilong Apstrim Projek. Ol dispela wok i stap arasait long wok mak bilong Dauntrim Projek na ol samting we Environment Permit EP-L3(1008) i laikim.

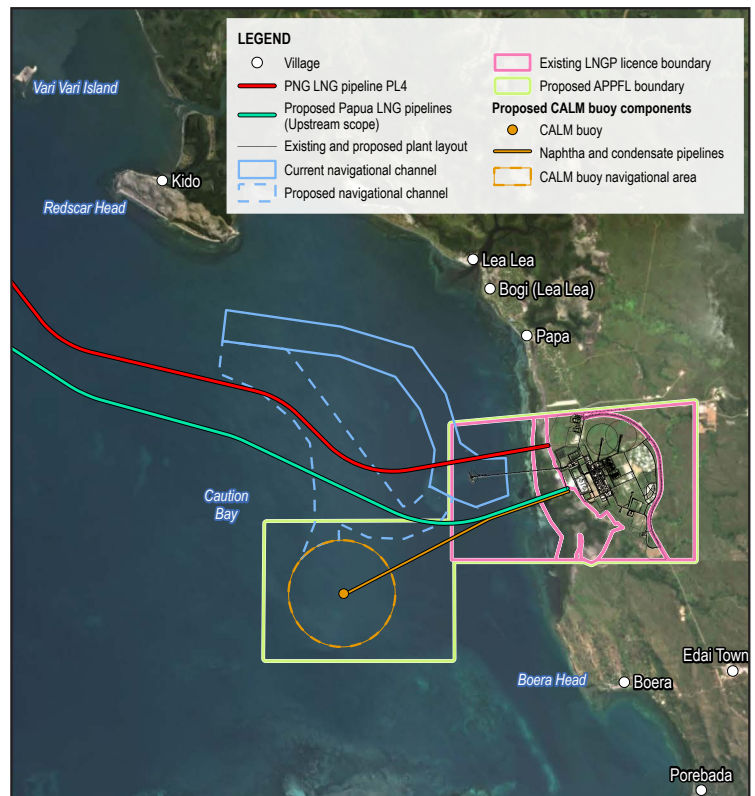
Piksa Fig 1 i soim bikpela piksa bilong Papua LNG Projek long dispela hap bihain long ol senis long disain, wantaim nupela rot bilong kondenset paipain igo long FSO.

Piksa Fig 2 i soim straksa na ples bilong ol infrastraksa long solwara bilong Papua LNG Projek long Caution Bay, we Dauntrim EIS ol i givim igo long July 2023 i bin asesim. Piksa Fig 3 i soim disain bilong Projek we i senis na i stap nau, wantaim ol senis long straksa na ples bilong ol infrastraksa long solwara long Caution Bay. Dispela piksa i soim olsem ol dispela samting i raus long disain:

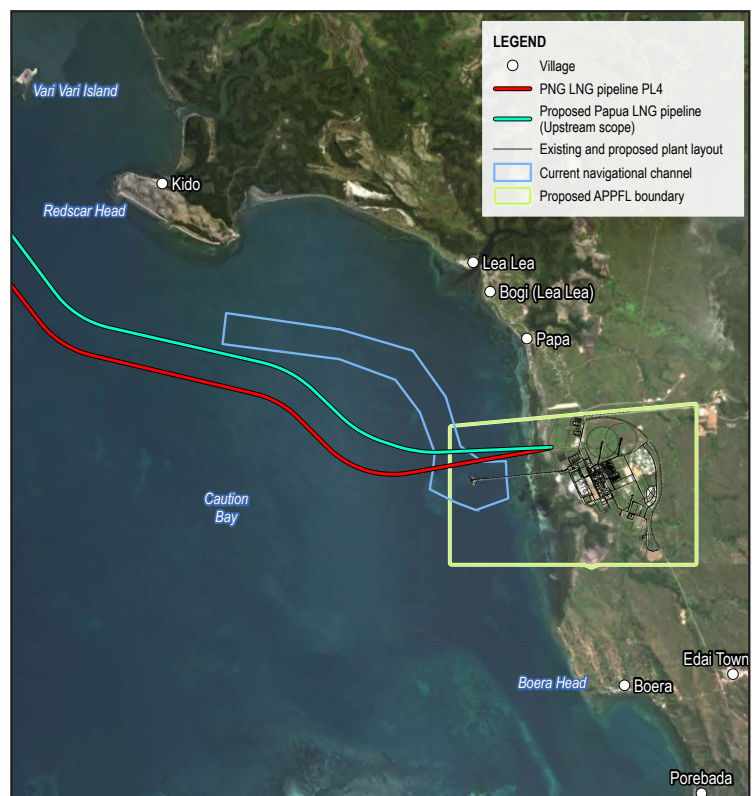
- CALM buoy, na ol naphtha na kondenset paipains long saut bilong LNG Plant wof ;
- “500-m radius marine exclusion zone” o hap tambu long solwara inap long 500 m raunim CALM buoy, na hap bilong ol sip i ron; na
- Wanpela moa “navigation channel” o mak we sip bai ron long em.

Piksa Fig 3 i soim tu senis long rot bilong Papua LNG ges paipain we nau ol i tingting long wokim olsem wanpela hap bilong Apstrim wok, na TotalEnergies bai i wokim. Wei bilong TotalEnergies long konstraktim paipain i nau usim “horizontal directional drilling (HDD)” bilong wokim dispela hap bilong ges paipain namel long LNG Plant na envairomen bilong nambis na solwara long Caution Bay.

Piksa Fig 2: Papua LNG Projek – Dauntrim EIS Projek Disain – 2023



Piksa Fig 3: Papua LNG Projek – Dauntrim senis long Projek disain – 2025



Ol Senis We I Luk Olsem Bai Kamap Long Ol Impek We Ibin Luksave Pinis

Ol senis long disain bilong Projek i:

- Rausim nid bilong “500-m radius marine exclusion zone” o peles tambu na hap bilong ron bilong ol sip long CALM buoy.
- Rausim nid bilong wanpela moa “navigation channel” o mak we sip bai ron long em.
- Daunim namba bilong ol sip bilong Projek we bai ron igo-ikam insait long Caution Bay.

Dispela ol senis bai abrusim ol sosel impek we iken kamap, olsem longpela taim bilong raunim ol peles tambu bilong go long ol risoses bilong solwara, na long ol wok bilong usim dingi, umben na huk long painim pis.

Ol kain hevi na impek long ol abus, mangoro, ol habitat long hap namel long solwara tait na drai, na ol “benthic habitat” aninit long solwara long saut bilong LNG Plant wof we i stap nau, we inap kamap long taim bilong putim na operetim CALM buoy, bai i no kamap tu. Taim skelim wantaim ol impek we i stap insait long Daunstrim EIS, ol dispela senis bai i:

- Daunim ol dairek fisikol impek na distebens long ol “habitat” bilong nambis na solwara.itats.
- Daunim hamas wesana na giraun i hangamap insait long wara na mak bilong wesana na giraun i sindaun.
- Daunim bagarap long wesana na giraun na ol impek long kwaliti bilong wara.
- Daunim lait na nois aninit long solwara.
- Daunim sans bilong bringim ol niupela binatang, bus o gras nogut na ol narapela kain samting we iken bagarapim envairomen.

Hap bilong nupela rot bilong TotalEnergies ges paipain antap long giraun bai i sotpela moa long dispela rot we wok painim aut bilong Daunstrim EIS ibin asesim. Dispela em long wanem rot bilong paipain i suruk moa igo long rot bilong wof na bai bihainim wanpela rot we i go stret moa long “tie-in point” long banis bilong LNG Plant. Igat strongpela tingting olsem dispela bai daunim distebens long ol mangoro na “intertidal mudflat / saltpan habitat” sapos skelim wantaim rot bilong paipain we ol ibin tingting long en pastaim na asesim insait long Daunstrim EIS. Ol rot bilong daunim hevi o birua na ol menesmen mesas we Daunstrim EIS i luksave pinis long en bai karamapim tu hap bilong TotalEnergies ges paipain long Caution Bay antap long giraun (Apstrim hap bilong Projek).

EMPNGA emi kampani we bai igo pas long kamapim wok konstraksen bilong dispela Projek. Niugini LNG Operating Company Limited (NLOC) emi afiliet bilong ExxonMobil we bai igo pas long lukautim operesen bilong dispela “integrated LNG Plant” taim konstraksen i pinis na komisenin i kamap. Long dispela Projek Senis Samari, nem “ExxonMobil” i ken minim EMPNGA o NLOC, o tupela wantaim, bihainim wanem hap toktok i makim. Toktok insait long dispela Projek Senis Samari ino bilong abrusim lo bilong “corporate separateness” namel long wan wan kampani.



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