

TETRA4 CLUSTER 2 GAS PRODUCTION PROJECT

EAP: Environmental Impact Management Services (Pty) Ltd (EIMS)

Applicant: Tetra4 (Pty) Ltd

Project Description

Tetra4 (Pty) Ltd (hereafter Tetra4) holds a Gas Production Right (Ref: 12/4/1/07/2/2) that was granted in 2012 which spans approximately 187 000 hectares for the development of natural gas production operations near the town of Virginia in the Free State Province. Tetra4 wishes to expand the natural gas operations, to be located within the approved production right area and within and around the Cluster 1 project. The Cluster 2 application area covers a total of ~27 500 hectares.

Cluster 2 development aims to produce a total of ~45 Million Standard Cubic Feet per Day (MMSCFD) of gas. The construction of the gas gathering network (including pipelines, booster and compressor stations, etc) is planned to commence in ~May 2023 and be completed by ~October 2025. Construction of the LNG/LHe Plant is planned to commence in ~March 2023 and be completed by ~February 2026. The operational (gas production) timeframe for the project is approximately 20 years (~2026 to ~2046).

Cluster 2 Environmental Authorisation (EA) is being applied for to increase the gas production within the Production

Right. This application will include a MPRDA Section 102 revision of the Cluster 1 EMPr to include Cluster 2 specific infrastructure as well as amendments or additions of mitigation measures as and where required. The EA application and study area covers 284 farm portions within the Masilonyana and Matjhabeng Local Municipalities and includes ~27 500 hectares. The site boundary is ~5km southwest of Virginia, ~9km south of Welkom and ~16km north of Theunissen.

A full Scoping and Environmental Impact Assessment (S&EIA) application process is being followed for the EIA Listing Notices listed activities applicable to the project namely:

- NEMA GNR 983: Activity 12, 16, 19, 21D, 24, 27, 28, 34, 48, 51, 56, 59, 60, 67
- NEMA GNR 984: Activity 4, 5, 7, 15
- NEMA GNR 985: Activity 4, 10, 12, 14, 18, 22, 23

Additional licence applications:

- NEMWA Category A1, A6, A7, A12, A13, A14, B1, B10, B11, C1, C2, C6 – Integrated EA and WML application
- NEMAQA: Section 21 Subcategory 2.4 – Air Emissions Licence Application
- NWA: Section 21 (c), (g) and (i) – Water Use Licence Application

This planned expansion to the existing approved production activities will involve:

- ❖ ~400 exploration wells (each 50 m X 50 m = 250 m²)
- ❖ ~300 production wells (each 1,4 m x 1,1 m = 1.54 m²)
- ❖ ~480 km of gas transmission pipelines (10 m servitude)
- ❖ ~28 booster stations (each 10 m x 14 m = 140 m²)
- ❖ 3 compressor stations (each 60 m x 60 m = 3600 m²)
- ❖ Access roads (2.5 m wide)
- ❖ LNG/LHe Plant (~9.6 ha) with temporary camp/laydown area (~15.8 ha)

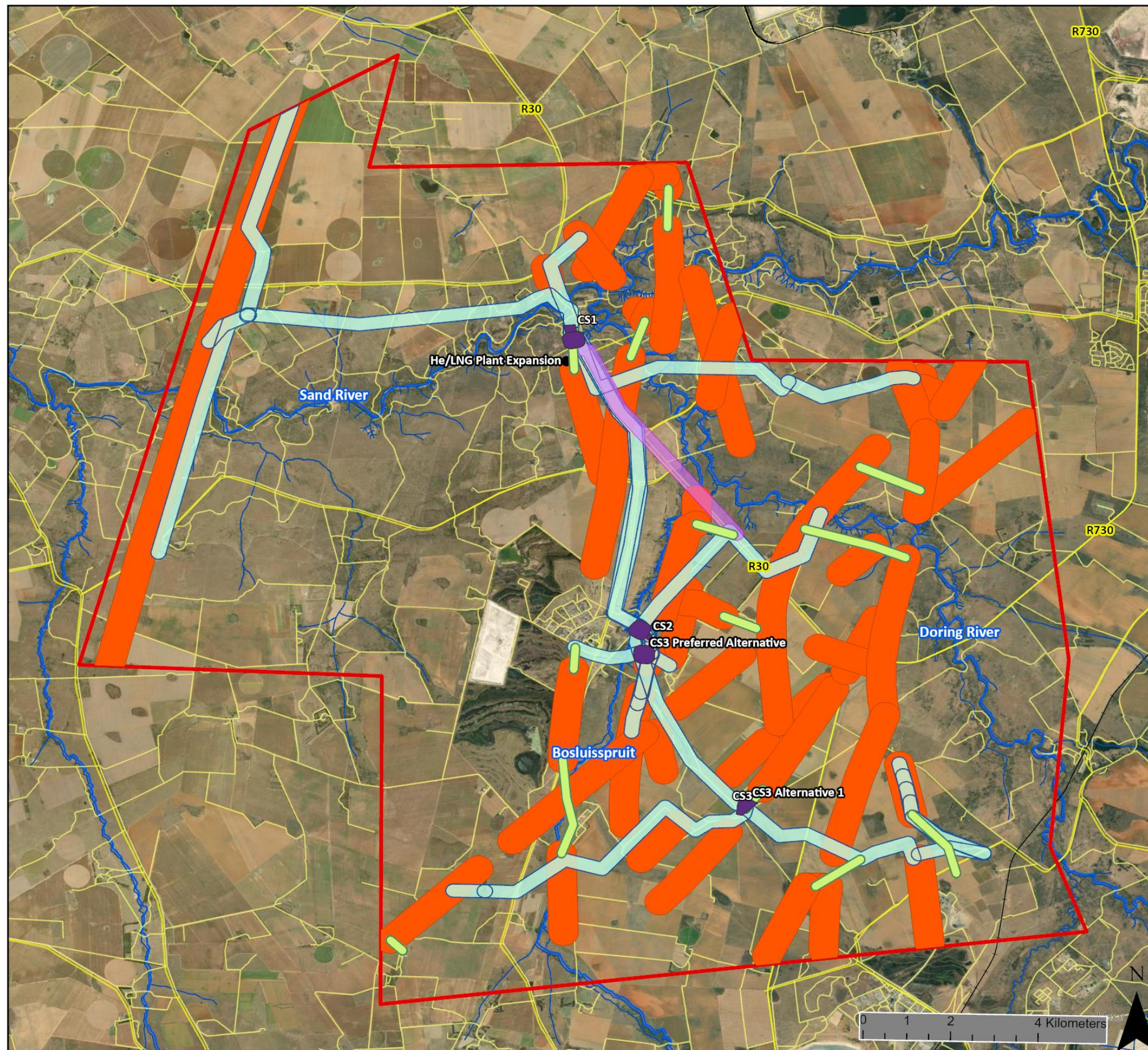
EIMS and Specialist Team

Company	Name	Project Responsibility
	Mr Brian Whitfield	Environmental Assessment Practitioner EAPASA Ref: 2022/4496
	Mr Andrew Husted	Agriculture and HydroSoils / Terrestrial Biodiversity / Wetlands and Aquatics
	Dr Hanlie Liebenberg-Enslin	Noise / Air Quality & Health Risk / GHG & Climate Change
	Mr Ferdinand Mostert	Geohydrology
	Mr Gerrie Muller	Economic
	Mr Wouter Fourie	Heritage and Palaeontology
	Mr Rendani Thovhakale	Hydrology
	Ms Ilse Aucamp	Social
	Mr Jon Marshall	Visual

Scoping and EIA Process














Infrastructure Transects Map



Locality Map

1473 Tetra4 Cluster 2 Project

Legend

-  Study Area
-  Places
-  Railway
-  Roads
-  Rivers
- Infrastructure**
-  Compressor Stations
-  LNG/LHe Plant
- Project Footprint Buffer Zones**
-  Pipeline (300m)
-  Wells Tansects (600m)
-  Transmission Loop Buffer (300m)
-  Extensions

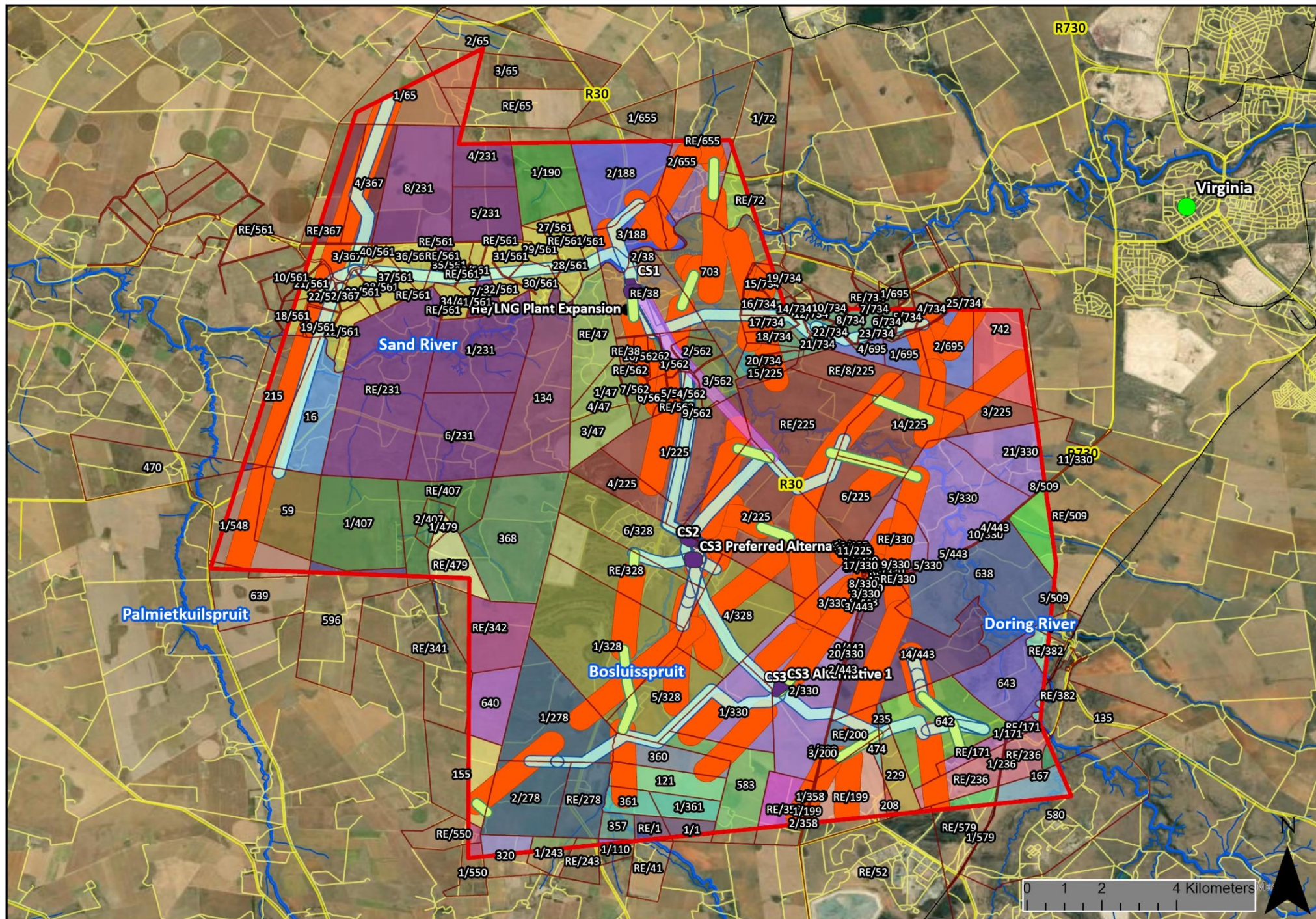


Data Sources:
 CSG; ESRI, SANBI, DHSWS
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree
 Ref: Locality Map

Date: 2022/07/19
 EIMS Ref: Locality
 Compiled: CM
 Reviewed: BW
 Approved: LW



Cadastral Map



Legend

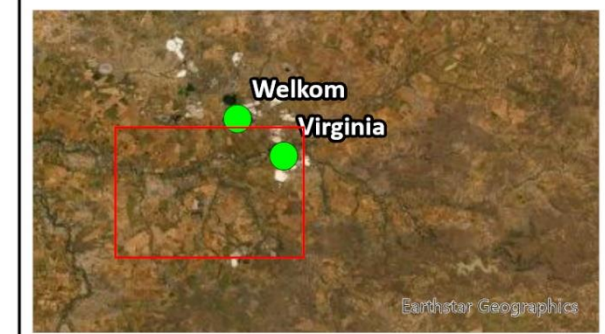
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|---------------------------|-------------------------|----------------------------|-----------------------------|-------------------------------|---------------------|
| Adamsons Vley No. 655 | Cabriere No. 215 | Grusde No. 229 | Klein Pan No. 320 | Mooivlei No. 357 | Vaalbank No. 190 |
| Annex Glen Ross No. 562 | Carlo No. 596 | Hakkies No. 695 | Kleinbegin No. 134 | Nortier No. 361 | Vlakpan No. 358 |
| Annex Grusde No. 474 | Damplaats No. 341 | Hakkies No. 695 | Kovno No. 235 | Palmietkuil No. 548 | Welgelegen No. 382 |
| Annex Mooivlakte No. 208 | Dankbaarheid No. 16 | Hakkies No. 742 | Langlaagte No. 110 | Palmietkuil No. 328 | Weltevrede No. 638 |
| Blaauwdrift No. 188 | De Klerks Kraal No. 231 | Harmonie No. 579 | Leeuwaarden No. 171 | Paulina No. 470 | Weltevreden No. 443 |
| Bloemhoek No. 509 | Die Mond No. 479 | Helpmekeer No. 47 | Leeuwbult No. 52 | Richelieu No. 135 | Zoetendal No. 243 |
| Boschluisspruit No. 278 | Digito No. 642 | Jonkers Rust No. 72 | Leeuwbult No. 580 | Rondehoek No. 200 | Zonderzorg No. 342 |
| Braklaagte No. 41 | Doorn River No. 330 | Jordaan No. 1 | Lekkerlewe No. 643 | Siberia No. 464 | Zonderzorg No. 640 |
| Brakspruit No. 121 | Doorndeel No. 236 | Jordaans Rust No. 59 | Middelplaas No. 583 | Spoorleggerswoning 54 No. 167 | |
| Bruintjies Hoogte No. 367 | Enkeldoorn No. 360 | Kaalpan No. 65 | Mond Van Doornrivier No. 38 | Stille Woning No. 703 | |
| Bruintjies Hoogte No. 367 | Frisgewaag No. 550 | Kalkoenkrans No. 225 | Mooifontein No. 639 | Terra Blanda No. 155 | |
| Bryan No. 561 | Glen Ross No. 734 | Klein Palmiet Kuil No. 407 | Mooivlakte No. 199 | Toulon No. 368 | |

Cadastral / Infrastructure

1473 Tetra4 Cluster 2 Project

Legend

- Study Area
- Places
- Railway
- Roads
- Rivers
- Infrastructure
 - Compressor Stations
 - LNG/LHe Plant
- Project Footprint Buffer Zones
 - Pipeline (300m)
 - Wells Tansects (600m)
 - Transmission Loop Buffer (300m)
 - Extensions



Data Sources:

CSG; ESRI, SANBI, DHSWS
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree
 Ref: Cadastral Infrastructure

Date: 2022/08/12

EIMS Ref: Cad Infrast.

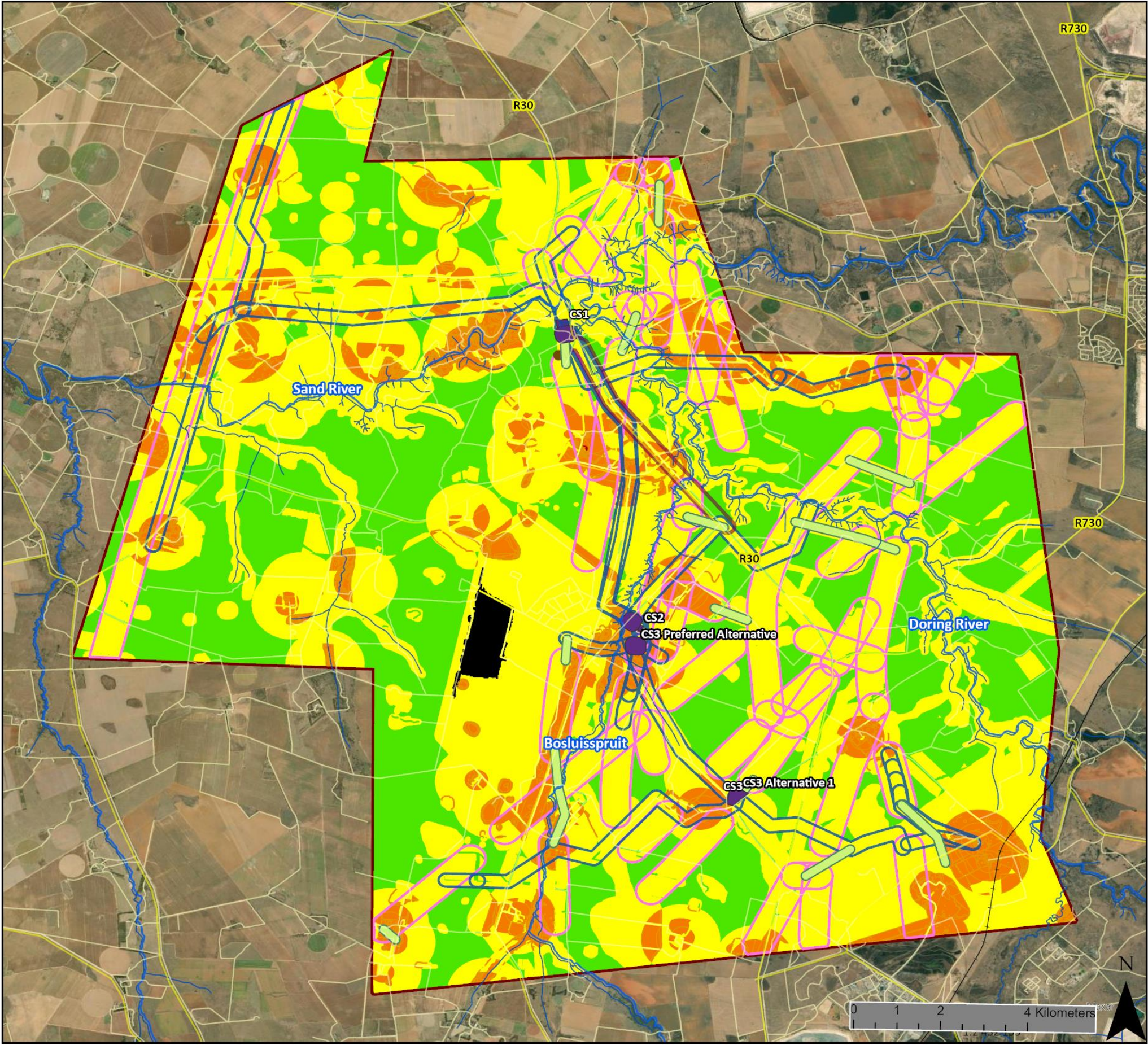
Compiled: CM

Reviewed: BW

Approved: LW



Sensitivity Map



Scoping Phase: Combined Sensitivity Map 1473 Tetra4 Cluster 2 Project

- Legend
- Project Footprint Buffer Zones
- Pipeline (300m)
 - Wells Tansects (600m)
 - Transmission Loop Buffer (300m)
- Infrastructure
- Compressor Stations
 - Extensions
 - LNG/LHe Plant
 - Places
 - Railway
 - Roads
 - Rivers
- Study Area
- FinalSens
- Least Concern
 - Low
 - Medium
 - High
 - No-go Area

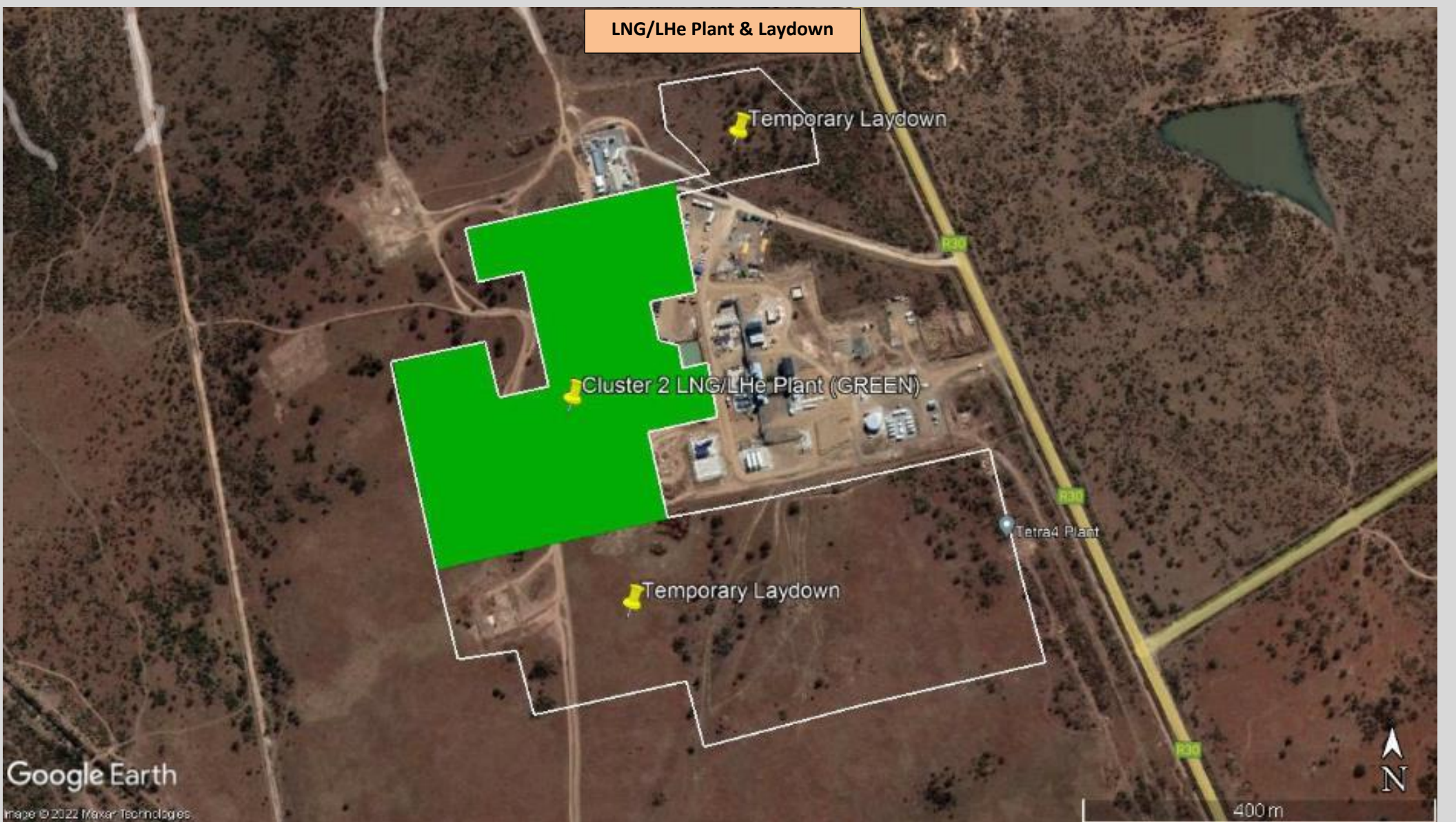


Data Sources:
CSG; ESRI, SANBI, DHSWS
Coord System: GCS WGS 1984
Datum: WGS 1984
Units: Degree
Ref: Scoping Sensitivity

Date: 2022/06/29
EIMS Ref: Sensitivity Baseline
Compiled: CM
Reviewed: BW
Approved: LW



Infrastructure Examples



Planning/Construction Impact Assessment

Discipline	Impact	Phase	Pre-mitigation ER	Post-mitigation ER	Final score
Air Quality	Increase in air quality impacts due to construction of the road/pipeline	Construction	-9	-6.8	-8
	Increase in air quality impacts due to construction of the wells and booster stations	Construction	-10	-6.8	-8
	Increase in air quality impacts due to construction of the plant and CSs	Construction	-11	-7.5	-8
Climate Change	Climate Change risk due to Scope 1 & 2 construction	Construction	-8	-7	-9
Noise	Increase in noise levels due to construction of the pipeline	Construction	-11	-7.5	-8
	Increase in noise levels due to construction of the wells and Blower Stations	Construction	-12	-8.3	-8
	Increase in noise levels due to construction of the Plant and Compressor Stations	Construction	-8.3	-7.5	-8
Geohydrology (Groundwater)	Groundwater deterioration and siltation due to contaminated stormwater run-off from the construction area.	Construction	-4	-1.8	-2
	Poor quality leachate from the construction camp impact on groundwater quality.	Construction	-8.3	-4.5	-6
	Contamination of groundwater resources due to poor maintenance of machinery.	Construction	-12	-7.5	-9
	Groundwater pollution from poor management of hazardous substances.	Construction	-8.3	-4.5	-6
Hydrology (Surface Water)	Hydrology - Loss of watercourse vegetation	Construction	-3	-1.5	-2
	Erosion	Construction	-6	-3	-3
	Stormwater contamination	Construction	-7	-3	-3
	Alien and/or Invasive Vegetation	Construction	-6.5	-1.8	-2
	Alterations of the river banks and river bed	Construction	-6.8	-3.5	-4
Heritage & Palaeontology	Impact on unidentified heritage resources	Construction	-3	-5.5	-8
	Impact on burial grounds and graves	Construction	-16	-6	-8
	Impact on historic to recent sites with possible graves	Construction	-11	-6	-8
	Impact on structures of medium heritage significance	Construction	10.5	-5	-6
	Impact on palaeontology	Construction	-18	-8	-11
Social	Impact on livelihoods	Construction	-15	-11	-14
	Uncertainty	Planning	-16	-8.3	-10
	Nuisance factor due to increase in ambient dust and noise levels	Construction	-13	-10	-11
	Changes in travel patterns	Construction	-13	-9	-10
	Damage to farm roads, existing services, and infrastructure	Construction	-15	-10	-11
	Impacts on livelihoods due to behaviour of contractors	Construction	-11	-6.8	-8
	Impacts on safety and security of local residents	Construction	-13	-11	-17
	impacts on sense and spirit of place	Construction	-15	-10	-14
	Impacts on the social licence to operate	Construction	-12	11	14
	Increase in social pathologies	Construction	-11	-10	-11
	Secondary economic opportunities	Construction	11	17.5	20
Visual	Impact on Existing Agricultural Landscape Character	Construction	-8	-8	-9
	Impact on Existing Natural Landscape Character	Construction	-8	-3	-3
	The visual impact on views from local roads	Construction	-8	-5.3	-6
	Change of Natural of Views from Homesteads	Construction	-12	-4.5	-5
	The visual impact on views from local homesteads due to Lighting	Construction	-8	-1	-1
Terrestrial	Temporary disturbance of wildlife due to increased human presence and use of machinery and/or vehicles.	Planning	-3.5	-2	-2
	Destruction, further loss and fragmentation of the vegetation community	Construction	-11	-9	-11
	Introduction of alien species, especially plants	Construction	-7.5	-6	-7
	Erosion due to storm water runoff and wind	Construction	-7.5	-6.8	-8
	Displacement of faunal community due to habitat loss, direct mortalities and disturbance (road collisions, noise, light, dust, vibration and poaching).	Construction	-9	-7.5	-8
Soils	Construction of compressors and wells	Construction	-7.5	-7.5	-8
	Construction of pipelines and transmission loop	Construction	-6	-6	-7
Wetlands	Exploration Wells - Habitat	Planning	-4	-2.3	-3
	Exploration Wells - Water Quality	Planning	-4	-2.3	-2
	Exploration Wells - Flow	Planning	-3	-1.5	-2
	Pipelines and Transmission loop - Habitat	Construction	-7.5	-4	-5
	Pipelines and Transmission loop - Water Quality	Construction	-3.5	-3.5	-4
	Pipelines and Transmission loop - Flow	Construction	-3	-3	-3
	Compressors Station CS1 - Habitat	Construction	-8.3	-5	-6
	Compressors Station CS1 - Water Quality	Construction	-3.5	-3.5	-4
	Compressors Station CS1 - Flow	Construction	-3	-3	-3
	Compressors Station CS1 - Habitat	Construction	-3	-3	-3
	Compressors Station CS1 - Water Quality	Construction	-3	-3	-3
	Compressors Station CS1 - Flow	Construction	-3	-2.5	-3
	Compressors CS2 - Habitat	Construction	-4	-4	-5
	Compressors CS2 - Water Quality	Construction	-3.5	-3.5	-4
	Compressors CS2 - Flow	Construction	-3	-3	-3
	Compressors CS3 - Habitat	Construction	-3.8	-3	-3
	Compressors CS3 - Water Quality	Construction	-3.5	-3.5	-4
	Compressors CS3 - Flow	Construction	-3	-3	-3
	Compressors CS3 - Habitat	Construction	-4	-4	-5
	Compressors CS3 - Water Quality	Construction	-3.5	-3.5	-4
	Compressors CS3 - Flow	Construction	-3	-3	-3
	Powerlines - Habitat	Construction	-5.5	-3	-3
	Powerlines - Water Quality	Construction	-2	-1.3	-1
	Powerlines - Flow	Construction	-2.5	-1.3	-1
	Access Roads - Habitat	Construction	-4.5	-3	-3
	Access Roads - Water Quality	Construction	-6.8	-4	-4
	Access Roads - Flow	Construction	-3.5	-2	-2
LNG/LHe Plant - Habitat	Construction	-4	-3	-3	
LNG/LHe Plant - Water Quality	Construction	-3.5	-2.5	-3	
LNG/LHe Plant - Flow	Construction	-3	-2.5	-3	
Economic	GGP Impact	Construction	16	16	18
	Employment Impacts	Construction	13	13	15
	Forex savings	Construction	-9.8	-9.8	-11
	Fiscal Income	Construction	12	12	14
	Economic development per capita	Construction	15	15	17
	Country and Industry Competitiveness	Construction	16	16	18
	Black Economic Transformation	Construction	14	14	16
	Alternative Land-use	Construction	8.75	8.75	10
	Need and Desirability	Construction	15	15	17
Impact on individual farmland values	Construction	-7.5	-7.5	-8	

Operational Impact Assessment

Discipline	Impact	Phase	Pre-mitigation ER	Post-mitigation ER	Final score
Air Quality	Increase in air quality impacts due to the operation of vehicles on unpaved roads	Operation	-12	-7.5	-8
	Increase in air quality impacts due to operation of the booster stations	Operation	-12	-8.3	-8
	Increase in air quality impacts due to operation of the plant	Operation	-7.5	-7.5	-8
Climate Change	Climate Change risk due to Scope 1 & 2 construction	Operation	-12	-11	-15
Noise	Increase in noise levels due to Blower Station operation	Operation	-9	-6	-6
	Increase in noise levels due to Plant and Compressor Station operation	Operation	-9	-6	-6
Geohydrology (Groundwater)	Migration of saline groundwater from the deep, fractured aquifer to the overlying, potable aquifer(s) during the gas production phase.	Operation	-18	-12	-15
	Migration of stray gas from the deep, fractured aquifer to the overlying, potable aquifer(s) during the gas production phase.	Operation	-18	-12	-15
	Groundwater pollution as a result of wastewater spills and seepage from the evaporation dams.	Operation	-12	-7.5	-9
	Poor quality leachate may emanate from the plant footprint area which may have a negative impact on groundwater quality.	Operation	-12	-7.5	-9
	Mobilisation and maintenance of heavy vehicle and machinery on-site may cause hydrocarbon contamination of groundwater resources.	Operation	-8.3	-4.5	-6
	Poor storage and management of hazardous chemical substances on-site may cause groundwater pollution.	Operation	-12	-7.5	-9
	Leakage of harmful substances from tanks, pipelines or other equipment may cause groundwater pollution.	Operation	-12	-7.5	-9
Hydrology (Surface Water)	Erosion	Operation	-5.5	-2.8	-3
	Stormwater contamination	Operation	-9	-3.5	-4
	Alien and/or Invasive Vegetation	Operation	-9.8	-4	-5
Social	Impact on livelihoods	Operation	-20	-15	-21
	Impact of servitudes on land values	Operation	-21	-15	-21
	Damage to farm roads, existing services, and infrastructure	Operation	-14	-13	-16
	Impacts on safety and security of local residents	Operation	-19	-14	-18
	impacts on sense and spirit of place	Operation	-20	-20	-28
	Impacts on the social licence to operate	Operation	-15	13	16
	Public perceptions about safety associated with gas production	Operation	-12	-6.8	-7
	Contribution to economy of South Africa	Operation	22.5	23.8	27
	Secondary economic opportunities	Operation	13	18.8	21
Potential opportunity for education, skills development, and training	Operation	13	18.8	21	
Visual	Impact on Existing Agricultural Landscape Character	Operation	-10	-9	-10
	Impact on Existing Natural Landscape Character	Operation	-7.5	-3.5	-4
	The visual impact on views from local roads	Operation	-11	-7.5	-8
	Change of Natural of Views from Homesteads	Operation	-11	-6.8	-8
	The visual impact on views from local homesteads due to Lighting	Operation	-11	-1.8	-2
Terrestrial	Environmental pollution due to potential leaks, discharges, pollutant leaching into the surrounding environment	Operation	-9	-5.5	-6
	Continued fragmentation, further loss and fragmentation of the vegetation community	Operation	-11	-8.3	-10
	Vegetation loss due to erosion and encroachment by alien invasive plant species	Operation	-8.3	-4.5	-5
	Potential leaks, discharges, pollutant from activities leaching into the surrounding environment	Operation	-9	-7.5	-8
	Continued displacement and fragmentation of the faunal community (including threatened or protected species) due to ongoing anthropogenic disturbances (noise, dust and vibrations) and habitat degradation/loss (litter, road mortalities and/or poaching).	Operation	-12	-5.5	-6
Soils	Operation of Compressor and Wells	Operation	-8.3	-5.5	-6
	Operation of pipelines and transmission loop	Operation	-7.5	-5	-6
Wetlands	Pipelines and Transmission loop - Habitat	Operation	-4	-2.5	-3
	Pipelines and Transmission loop - Water Quality	Operation	-3.5	-2	-2
	Pipelines and Transmission loop - Flow	Operation	-3	-1	-1
	Compressors Station CS1 - Habitat	Operation	-9.8	-6	-7
	Compressors Station CS1 - Water Quality	Operation	-3.5	-3.5	-4
	Compressors Station CS1 - Flow	Operation	-4	-4	-4
	Compressors Station CS1 - Habitat	Operation	-6.8	-3.5	-4
	Compressors Station CS1 - Water Quality	Operation	-3.5	-3.5	-4
	Compressors Station CS1 - Flow	Operation	-3	-1	-1
	Compressors CS2 - Habitat	Operation	-8.3	-3	-3
	Compressors CS2 - Water Quality	Operation	-3	-2	-2
	Compressors CS2 - Flow	Operation	-4.5	-2	-2
	Compressors CS3 - Habitat	Operation	-7.5	-4	-5
	Compressors CS3 - Water Quality	Operation	-3.5	-3.5	-4
	Compressors CS3 - Flow	Operation	-4	-4	-4
	Compressors CS3 - Habitat	Operation	-7.5	-4	-5
	Compressors CS3 - Water Quality	Operation	-3.5	-3.5	-4
	Compressors CS3 - Flow	Operation	-4	-4	-4
	Powerlines - Habitat	Operation	-5	-3.5	-4
	Powerlines - Water Quality	Operation	-1	-1	-1
	Powerlines - Flow	Operation	-1	-1.3	-1
	Access Roads - Habitat	Operation	-9	-4.5	-5
	Access Roads - Water Quality	Operation	-5	-4	-4
	Access Roads - Flow	Operation	-5	-3.5	-4
	LNG/LHe Plant - Habitat	Operation	-4.5	-4	-4
	LNG/LHe Plant - Water Quality	Operation	-3.5	-3.5	-4
	LNG/LHe Plant - Flow	Operation	-3	-3.5	-4
Economic	GGP Impact	Operation	23.8	23.8	33
	Employment Impacts	Operation	17	17	23
	Forex savings	Operation	18	18	25
	Fiscal Income	Operation	17	17	23
	Economic development per capita	Operation	17	17	23
	Country and Industry Competitiveness	Operation	20	20	28
	Black Economic Transformation	Operation	16	16	22
	Alternative Land-use	Operation	11.3	11.3	15
	Need and Desirability	Operation	20	20	28
Impact on individual farmland values	Operation	-9	-9	-12	

Decommissioning and Rehabilitation Impact Assessment

Discipline	Impact	Phase	Pre-mitigation ER	Post-mitigation ER	Final score
Air Quality	Increase in air quality impacts due to decommissioning and closure	Decommissioning	-11	-7.5	-8
Noise	Increase in noise levels	Decommissioning	-11	-7.5	-8
Geohydrology (Groundwater)	Migration of saline groundwater from the deep, fractured aquifer to the overlying, potable aquifer(s) during the borehole closure and decommissioning phase.	Decommissioning	-16	-9	-11
	Migration of stray gas from the deep, fractured aquifer to the overlying, potable aquifer(s) borehole closure and decommissioning phase.	Decommissioning	-16	-9	-11
	Groundwater pollution as a result of wastewater spills and seepage from the evaporation dams.	Decommissioning	-6.5	-2.3	-3
	Poor quality leachate may emanate from the plant footprint area which may have a negative impact on groundwater quality.	Decommissioning	-6.5	-2.3	-3
	De-mobilisation of heavy vehicle and machinery as part of the decommissioning phase on-site may cause hydrocarbon contamination of groundwater resources.	Decommissioning	-6.5	-2.3	-3
Hydrology (Surface Water)	Erosion	Decommissioning	-5	-2.5	-3
	Stromwater contamination	Decommissioning	-9	-3.5	-4
	Alien and/or Invasive Vegetation	Decommissioning	-6.5	-1.8	-2
Visual	Impact on Existing Agricultural Landscape Character	Decommissioning	-10	-1	-1
	Impact on Existing Natural Landscape Character	Decommissioning	-5.3	-2	-2
	The visual impact on views from local roads	Decommissioning	-10	-1	-1
	Change of Natural of Views from Homesteads	Decommissioning	-10	-1	-1
	The visual impact on views from local homesteads due to Lighting	Decommissioning	-8	-1	-1
Terrestrial	Continued encroachment of vegetation community by alien invasive plant species as well as erosion due to disturbed soils	Decommissioning	-7.5	-4.5	-5
	Continued displacement and fragmentation of the faunal community (including potential threatened or protected species) due to ongoing habitat degradation/loss (infringement, litter, road mortalities and/or poaching).	Decommissioning	-7.5	-4.5	-5
Soils	Decommissioning of Compressors and Wells	Decommissioning	-6	-6	-7
	Decommissioning of pipelines and transmission loop	Decommissioning	-4	-4	-5
Wetlands	Pipelines and Transmission loop - Habitat	Decommissioning	-7.5	-4	-5
	Pipelines and Transmission loop - Water Quality	Decommissioning	-3.5	-3.5	-4
	Pipelines and Transmission loop - Flow	Decommissioning	-3	-3	-3
	Compressors Station CS1 - Habitat	Decommissioning	-8.3	-5	-6
	Compressors Station CS1 - Water Quality	Decommissioning	-3.5	-3.5	-4
	Compressors Station CS1 - Flow	Decommissioning	-3	-3	-3
	Compressors Station CS1 - Habitat	Decommissioning	-3	-3	-3
	Compressors Station CS1 - Water Quality	Decommissioning	-3	-3	-3
	Compressors Station CS1 - Flow	Decommissioning	-3	-2.5	-3
	Compressors CS2 - Habitat	Decommissioning	-4	-4	-5
	Compressors CS2 - Water Quality	Decommissioning	-3.5	-3.5	-4
	Compressors CS2 - Flow	Decommissioning	-3	-3	-3
	Compressors CS3 - Habitat	Decommissioning	-3.8	-3	-3
	Compressors CS3 - Water Quality	Decommissioning	-3.5	-3.5	-4
	Compressors CS3 - Flow	Decommissioning	-3	-3	-3
	Compressors CS3 - Habitat	Decommissioning	-4	-4	-5
	Compressors CS3 - Water Quality	Decommissioning	-3.5	-3.5	-4
	Compressors CS3 - Flow	Decommissioning	-3	-3	-3
	Powerlines - Habitat	Decommissioning	-5	-3	-3
	Powerlines - Water Quality	Decommissioning	-2	-1.3	-1
	Powerlines - Flow	Decommissioning	-2.5	-1.3	-1
	Access Roads - Habitat	Decommissioning	-4.5	-3	-3
	Access Roads - Water Quality	Decommissioning	-6	-4	-4
	Access Roads - Flow	Decommissioning	-3.5	-2	-2
	LNG/LHe Plant - Habitat	Decommissioning	-4	-3	-3
	LNG/LHe Plant - Water Quality	Decommissioning	-3.5	-2.5	-3
	LNG/LHe Plant - Flow	Decommissioning	-3	-2.5	-3
Economic	GGP Impact	Decommissioning	-13	-13	-13
	Employment Impacts	Decommissioning	-13	-13	-13
	Forex savings	Decommissioning	-23	-23	-23
	Fiscal Income	Decommissioning	-23	-23	-23
	Economic development per capita	Decommissioning	-13	-13	-13
	Country and Industry Competitiveness	Decommissioning	-18	-18	-18
	Black Economic Transformation	Decommissioning	-16	-16	-16
	Alternative Land-use	Decommissioning	-15	-15	-15
	Need and Desirability	Decommissioning	-15	-15	-15
	Impact on individual farmland values	Decommissioning	8.25	8.25	8
	GGP Impact	Rehab and closure	-23	-23	-23
	Employment Impacts	Rehab and closure	-23	-23	-23
	Forex savings	Rehab and closure	-23	-23	-23
	Fiscal Income	Rehab and closure	-23	-23	-23
	Economic development per capita	Rehab and closure	-23	-23	-23
	Country and Industry Competitiveness	Rehab and closure	-15	-15	-15
	Black Economic Transformation	Rehab and closure	-16	-16	-16
	Alternative Land-use	Rehab and closure	-19	-19	-19
	Need and Desirability	Rehab and closure	-18	-18	-18
	Impact on individual farmland values	Rehab and closure	8.25	8.25	8