

**CLEAN
TEQ**
SUNRISE

**Community Consultative
Committee meeting**

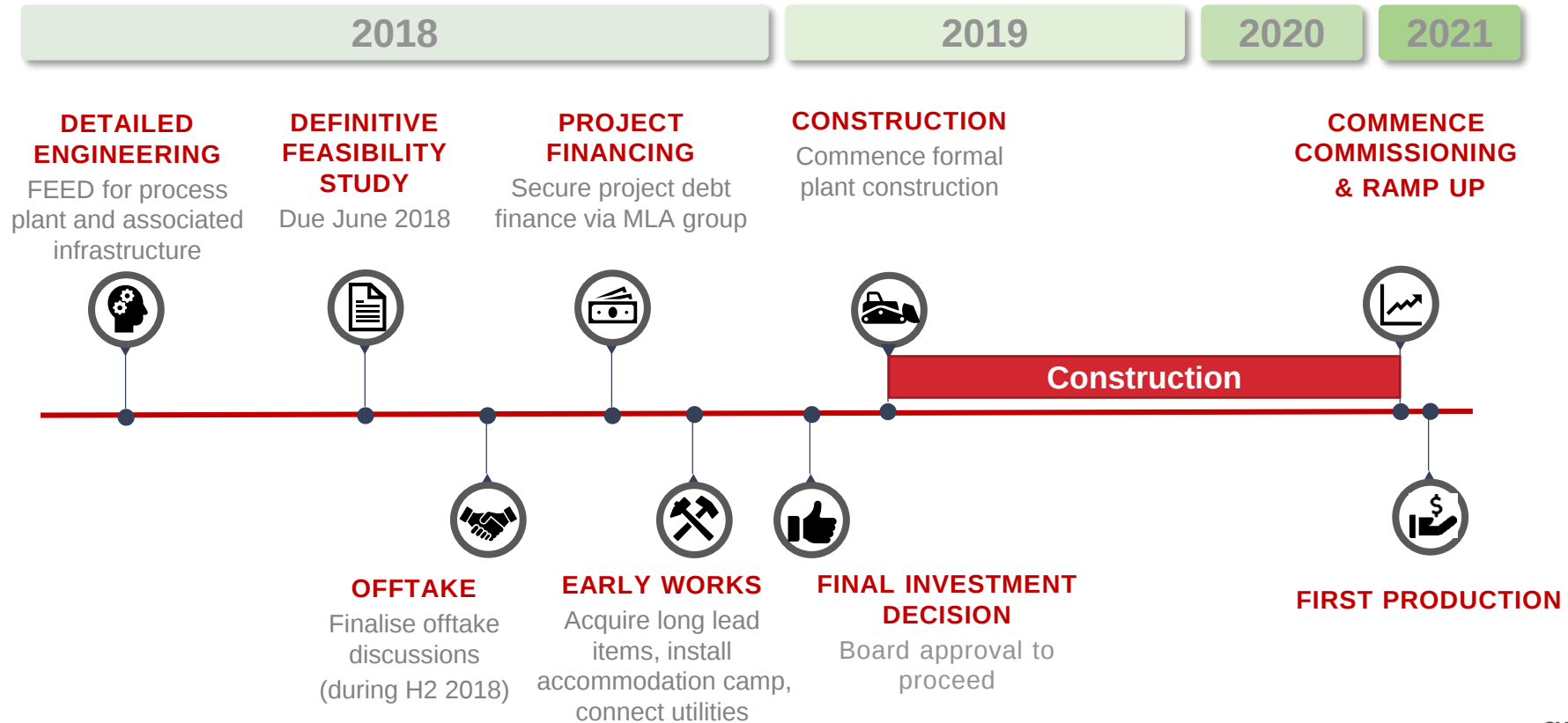
30 May 2018

OVERVIEW

1. Project Update
2. Community Involvement
3. Modification Application Updates
4. Environmental Management
5. Other Items

CLEAN TEQ UPDATE

INDICATIVE PROJECT SCHEDULE



PROJECT FINANCING

STRONG BANKING SUPPORT FOR PROJECT DEBT FACILITY

- **Mandated Lead Arranger (MLA)** group appointed November 2017
 - National Australia Bank
 - Societe General
 - Natixis
 - International Commercial Bank of China (ICBC)
- **US\$500 million in indicative commitments** received, prior to syndication
- Technical experts appointed and **ready to engage post-DFS completion**
- Targeting credit-approved term sheet from MLAs prior to FID
- **Strong interest** from a range of Australian and international banks



OFFTAKE & INVESTMENT STRATEGY

CONSIDERABLE DEMAND FROM END USERS AND INTERMEDIARIES

- **First offtake agreement** with Beijing Easpring signed in 2017
- **Extensive due-diligence is ongoing** by a range of parties considering product offtake and/or project level investment
- **Product samples provided** to various participants including:
 - OEMs
 - Cathode manufacturers
 - Battery manufacturers
 - Integrated trading houses
- Interest from Asia, Europe and North America



当升科技
EASPRING

Binding five-year offtake agreement for 20% of cobalt and nickel sulphate production

Transparent pricing mechanism
LME/LMB Price + sulphate premia (negotiated quarterly)

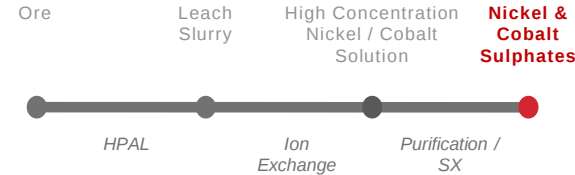
Offtake will **convert to LOM supply with project level investment** by Easpring in Sunrise (discussions ongoing)

INNOVATIVE CLEAN-ix® PROCESSING

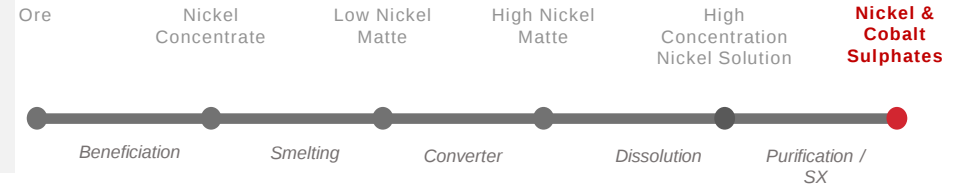
INNOVATIVE CLEAN-iX® PROCESSING

SULPHATE PRODUCTS DIRECT FROM PRIMARY ORE PROCESSING

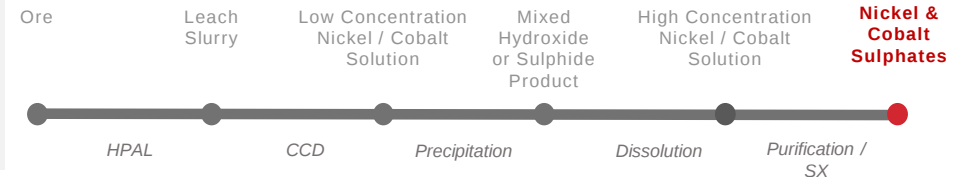
- Clean-iX® process **removes intermediate processing steps**
- cRIP has **60+ years of operation** in large-scale mining operations globally and **14 years of development on laterite** ore bodies
- **Large scale pilot plant located** in Perth has processed Sunrise ore to produce **nickel and cobalt sulphate customer samples**



TRADITIONAL PYROMETALLURGICAL PROCESS



TRADITIONAL HYDROMETALLURGICAL PROCESS



SUNRISE PROCESS FLOWSHEET

FOUR-STAGE PROCESS FROM ORE DIRECT TO SULPHATES

1

MINING & BENEFICIATION



2

HIGH PRESSURE ACID LEACHING



Slurry treated at high pressure, high temperature & low pH in autoclaves to leach metals

SUNRISE PROCESS FLOWSHEET

FOUR-STAGE PROCESS FROM ORE DIRECT TO SULPHATES

3

METAL EXTRACTION (Clean iX®)



Ion-exchange used to extract nickel, cobalt and scandium from leached solution

4

REFINING



Eluate processed via solvent extraction before separation & crystallisation

COMMUNITY UPDATE

BUILDING OUR SOCIAL LICENCE

- Regional **community briefings and meetings**: 1:1 and groups
- Advertising **local employment and procurement**: meetings scheduled for July 2018
- Building our **NSW team**: Environmental Specialist, HR recruiter recently joined
- Many ways to **stay in touch**: newsletters, eNews, website, Facebook, meetings, shopfronts
- Supporting **local initiatives** – Abba Festival, Trundle Showgirl Competition, Trundle Central School, St Patrick's – Trundle
- Community **drop-in meetings**: sessions in Fifield and Trundle (February, March and May), as well as Forbes (May)
- Borefield **neighbour meeting**: April and May at Warroo Hall



LOCAL SHIRE COUNCIL SITE TOUR



IT'S BEEN A BUSY FEW MONTHS



EMPLOYMENT EOI STATISTICS



Trundle / Tullamore / Fifield = **21**



Parkes = **27**



Condobolin = **33**



Forbes = **9**



Other NSW = **35**

NSW TOTAL = **125**
All EOI 167

PROCUREMENT EOI STATISTICS



Trundle / Tullamore / Fifiel = 3



Parkes = 11



Condobolin = 10



Forbes = 2



Other NSW = 18

NSW TOTAL = 44

All EOI 63

MODIFICATION UPDATE

MODIFICATION APPLICATIONS UPDATE

Optimisation Modification (MOD 4)

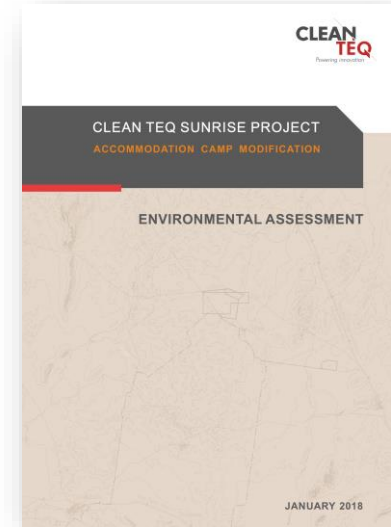
- Modification 4 seeks approval for the opportunities identified in the Optimisation Study.
- EA submitted in November 2017.
- Responses to Submissions submitted in February 2018.
- **Response to DP&E additional information request submitted on 24 May 2018.**



MODIFICATION APPLICATIONS UPDATE

Accommodation Camp Modification (MOD 6)

- Modification 6 seeks approval for the relocation of the accommodation camp.
- EA submitted in January 2018.
- Response to Submissions submitted in February 2018.
- Approved May 2018



ENVIRONMENTAL MANAGEMENT

ENVIRONMENTAL MANAGEMENT

Air Quality Assessment

- Assessment prepared in accordance with EPA's *Approved Methods for the Modelling and Assessment of Air Pollutants in NSW*.
- Model used to predict potential air quality impacts – considers modified Project operations (included predicted stack emissions) and mitigation measures, local landforms and meteorology.
- Contemporary EPA impact assessment criteria for gaseous pollutants and particulate matter considered.
- **No exceedances of EPA impact assessment criteria predicted.**
- **EPA raised no concerns with Air Quality Assessment.**



ENVIRONMENTAL MANAGEMENT

Air Quality Monitoring

- AQMP will be prepared prior to construction in consultation with the EPA and to the satisfaction of the DP&E.
- The AQMP will include an air quality monitoring program for evaluating and reporting on:
 - baseline monitoring undertaken prior to the Project;
 - compliance against the air quality criteria; and
 - compliance against the air quality operating conditions.
- Air quality and meteorological monitoring will be undertaken in accordance with the Project's Development Consent and EPL.

ENVIRONMENTAL MANAGEMENT

Air Quality Monitoring

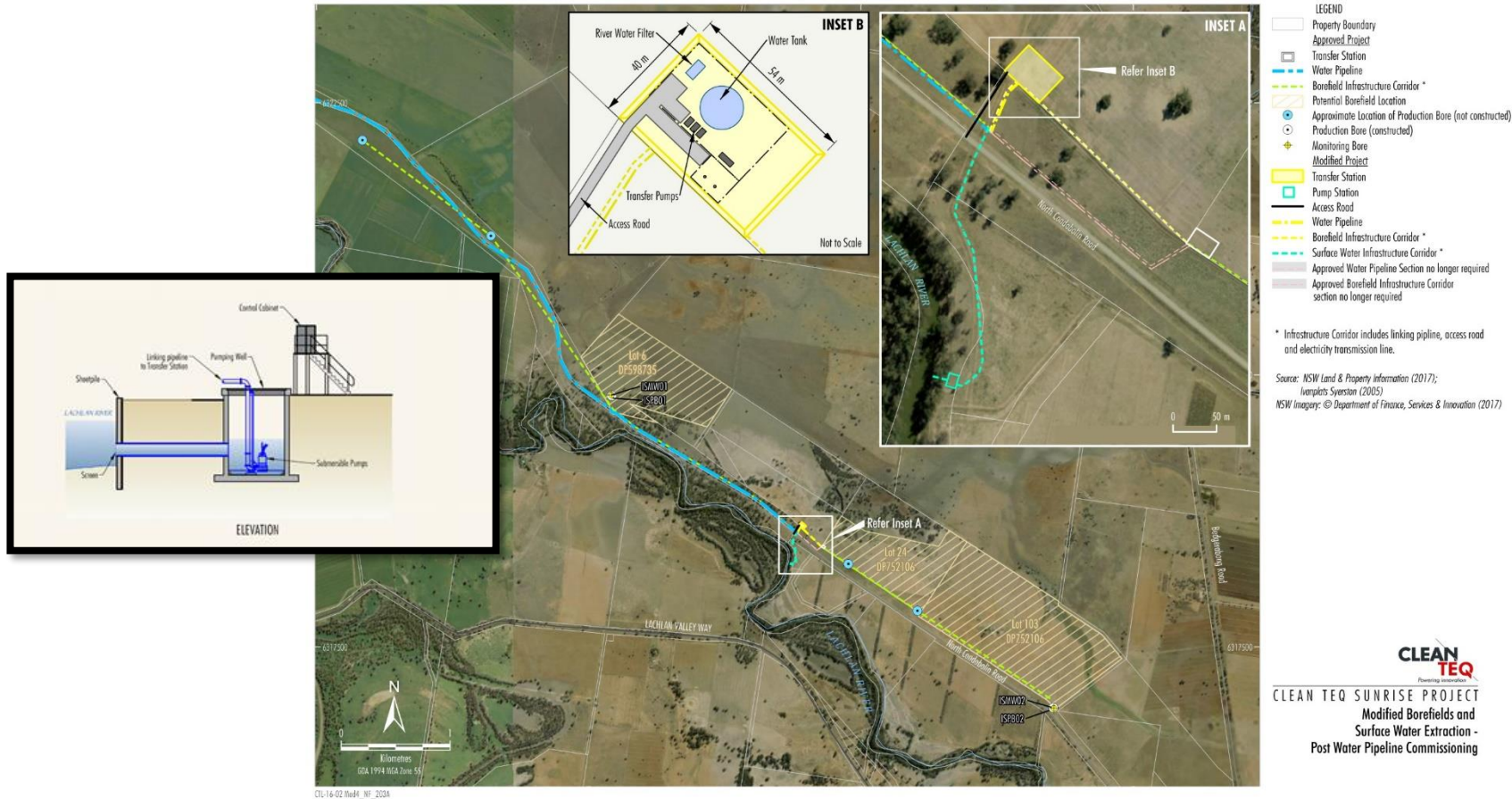
- Air quality monitoring will be conducted at:
 - locations representative of the privately-owned receivers most likely to be affected by Project air quality emissions; and
 - the sulphuric acid plant stack.
- Parameters – dust deposition, particulate matter and relevant gaseous pollutants.
- Monitoring will be conducted by a suitably qualified person in accordance with Australian Standards and the EPA's *Approved Methods for the Modelling and Assessment of Air Pollutants in NSW*.
- Monitoring results will be reported in accordance with the Development Consent and EPL requirements.

ENVIRONMENTAL MANAGEMENT

Borefield

- The Project borefield will be the primary Project water supply.
- Development Consent DA 374-11-00 allows for the extraction and transfer of up to 6,390 ML/year.
- **Clean TeQ is currently approved to extract approximately 3,154 ML/year** from the borefield located in Zone 5 of the Upper Lachlan Alluvial Groundwater Source in the *Water Sharing Plan for the Lachlan Unregulated and Alluvial Water Sources, 2012*.
- Construction phase (two years) water demand (in the order of 600 ML/year) is significantly lower than the operational phase.

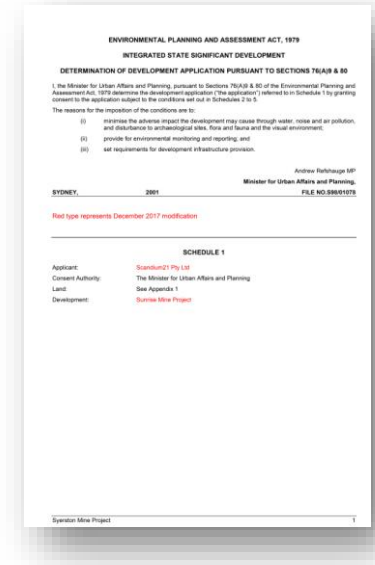
ENVIRONMENTAL MANAGEMENT



ENVIRONMENTAL MANAGEMENT

Borefield Management

- Borefield operated in accordance with the requirements of:
 - Project Development Consent; and
 - Water Access Licences.
- These approvals include (but not limited to):
 - extraction limits;
 - requirement to develop a borefield operational strategy (including monitoring) to manage any adverse Project impacts; and
 - compensatory water supply requirements.
- Project borefield managed to minimise the potential for adverse impacts on other groundwater users.



ENVIRONMENTAL MANAGEMENT

Groundwater Management Plan

- GWMP must be prepared in consultation with DI-Water and the EPA, and must be approved by the Secretary of the DP&E prior to construction.
- GWMP must include:
 - Baseline groundwater data (levels, yield and quality) in privately-owned groundwater bores in the vicinity of the mine and borefield;
 - Trigger levels to investigate potentially adverse groundwater impacts in the vicinity of the mine and borefield;
 - A program to monitor potential groundwater impacts in privately-owned groundwater bores in the vicinity of the mine and borefield; and
 - A plan to respond to any exceedances of the trigger levels, and mitigate any adverse impacts of the Project.

ENVIRONMENTAL MANAGEMENT

Groundwater Works Program – Borefield

- To inform the GWMP (e.g. trigger levels, response measures) for the operational phase, Clean TeQ will undertake a Groundwater Works Program during 2018, including:
 - 2018 Bore Census to identify groundwater users in the vicinity of the borefield in consultation with local groundwater users;
 - Develop an expanded groundwater monitoring program that can include local groundwater users;
 - Additional hydrogeological testing (e.g. pumping tests); and
 - Develop a contemporary groundwater model.

ENVIRONMENTAL MANAGEMENT

Groundwater Works Program – Borefield

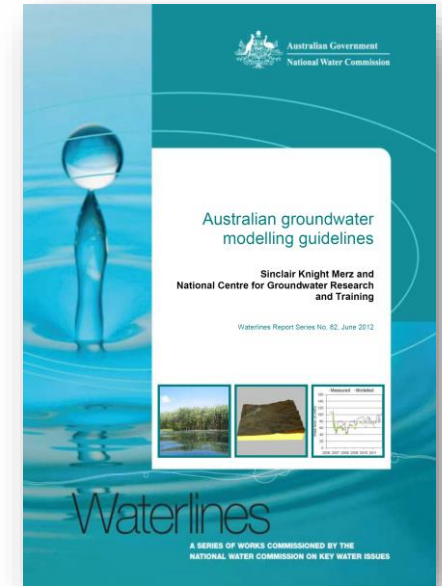


- Clean TeQ has engaged ENRS to undertake the **2018 Bore Census**.
- 2018 Bore Census purpose is to:
 - Identify existing groundwater users in the vicinity of the borefield.
 - Update and/or add to the existing baseline information on the bores (e.g. location, depth, water quality, usage) collected during the 2005 Bore Census.
- Information collected will be used to inform:
 - Finalisation of the GWMP (e.g. baseline conditions, monitoring program, trigger levels, management measures).
 - Development of a contemporary groundwater model.

ENVIRONMENTAL MANAGEMENT

Groundwater Works Program – Borefield

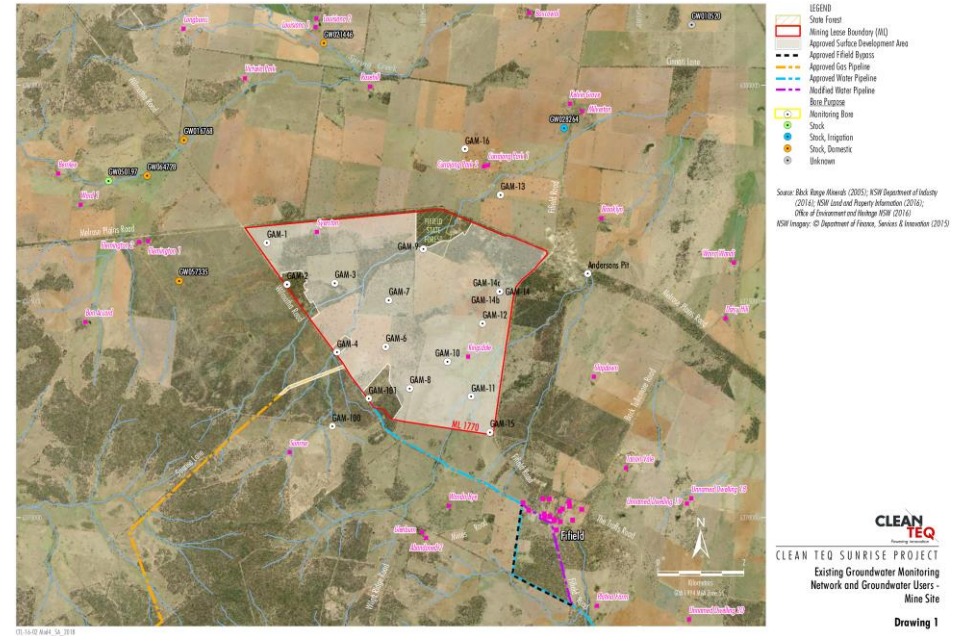
- A **groundwater model** will be developed by a suitably qualified groundwater expert in accordance with contemporary standards – e.g. the *Australian National Groundwater Modelling Guidelines*.
- The groundwater model will be used to inform the GWMP (e.g. pumping strategy to minimise impacts on other water users, establish trigger levels, develop responses measures) for the operational phase.



ENVIRONMENTAL MANAGEMENT

Groundwater Works Program – Mine

- Clean TeQ will undertake the following:
 - A bore census in the vicinity of the mine site will be undertaken after the borefield bore census.
 - Develop a contemporary groundwater model for the mine site prior to the commencement of mining operations.



ENVIRONMENTAL MANAGEMENT

Compensatory Water Supply

- Development Consent requires:

The Applicant must provide a compensatory water supply to anyone whose basic landholder water rights (as defined in the Water Management Act 2000) are adversely and directly impacted as a result of the development. This supply must be provided in consultation with DPI Water, and to the satisfaction of the Secretary. The compensatory water supply measures must provide an alternative long-term supply of water that is equivalent to the loss attributable to the development. Equivalent water supply must be provided (at least on an interim basis) as soon as possible after the loss is identified, unless otherwise agreed with the landowner.

OTHER ITEMS

OTHER ITEMS

Project Employment Opportunities

- The Project workforce would include:
 - Construction Phase – up to 1,000 personnel
 - Operations Phase – approximately 300 personnel.
- Approximately one-third of the operational workforce would be located at the Parkes Operation Centre.
- Clean TeQ will employ its workforce in accordance with NSW and Commonwealth laws.

OTHER ITEMS

Project Employment Opportunities

- Clean TeQ will offer apprenticeships and traineeships.
- Clean TeQ has commenced engagement with local Aboriginal community members to develop employment opportunities for members of the local Aboriginal community.

OTHER ITEMS

Contributions to Government

- Clean TeQ will pay taxes, rates, contributions, fees to government in accordance with relevant legislation:
 - Commonwealth Government – Corporate Tax;
 - NSW Government – Royalties, Payroll Tax, etc; and
 - Local Government – Rates, VPA Contributions.

Mobile Phone Coverage

- A mobile phone tower coverage will be established for the Project.

QUESTIONS & ANSWERS

DISCLAIMER

IMPORTANT INFORMATION

This presentation has been prepared by the management of Clean TeQ Holdings Limited (the 'Company') in connection with meetings with investors and potential investors and not as specific advice to any particular party or person. The information is based on publicly available information, internally developed data and other sources. Where any opinion is expressed in this presentation, it is based on the assumptions and limitations mentioned herein and is an expression of present opinion only. No warranties or representations can be made as to the origin, validity, accuracy, completeness, currency or reliability of the information. The Company disclaims and excludes all liability (to the extent permitted by law) for losses, claims, damages, demands, costs and expenses of whatever nature arising in any way out of or in connection with the information, its accuracy, completeness or by reason of reliance by any person on any of it.

Certain statements in this presentation are forward looking statements. By their nature, forward looking statements involve a number of risks, uncertainties or assumptions that could cause actual results or events to differ materially from those expressed or implied by the forward looking statements. These risks, uncertainties or assumptions could adversely affect the outcome and financial effects of the plans and events described herein. Forward looking statements contained in this presentation regarding past trends or activities should not be taken as representation that such trends or activities will continue in the future. You should not place undue reliance on forward looking statements, which apply only as of the date of this presentation.

Actual results and developments of projects and nickel, cobalt and scandium market development may differ materially from those expressed or implied by these forward looking statements depending on a variety of factors.

This presentation does not constitute or form part of any offer or invitation to sell, or any solicitation of any offer to purchase any shares in the Company, nor shall it or any part of it or the fact of its distribution form the basis of, or be relied on in connection with, any contract or commitment or investment decisions relating thereto, nor does it constitute a recommendation regarding the shares of the Company. Past performance cannot be relied upon as a guide to future performance.

Please refer to the back of this presentation for information concerning the calculation of reserves and resources referred to herein, and the consents provide the respective Competent Persons.

For further details on the content of this presentation, please refer to the ASX releases on the Company's website.