



**VALENCE  
INDUSTRIES**

**ASIA PACIFIC | EUROPE | THE AMERICAS**

**21 SEPTEMBER 2015**

**ASX: VXL & VXLO**

**AUSTRALIAN STOCK EXCHANGE ANNOUNCEMENT & MEDIA RELEASE**

**PRODUCTION UPDATE**

- Commissioning and ramp up of production continues with concentrate grades of up to 94% achieved with high proportions of large flake sizes
- Production testing has identified process bottlenecks which when removed will improve grades, reduce processing costs and which are planned to increase production capacity by more than 50%
- Plant process improvement and enhancement plan will require only modest capex and are to be implemented on close of Initial Finance Facility
- In addition operational and cost consolidation will underpin efficiencies across the business

---

Valence Industries Ltd (ASX:VXL), (the "Company" or "Valence Industries") provides the following update on graphite production at its Uley Graphite™ site in South Australia.

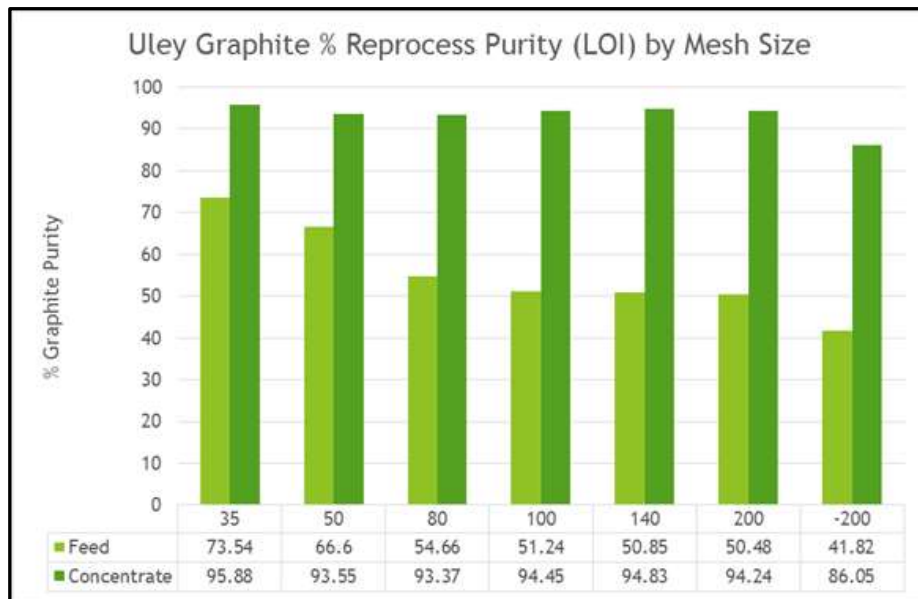
Since commencing the commissioning and ramp up of production in June 2015 at the Uley Graphite™ plant, the Company has achieved a number of milestones:

- Delivered production graphite concentrate grades of up to 94% with consistent output still required
- Achieved plant capacity of 20 tonnes per hour (tph) feed-in rate with continuous operation over weekly operating periods still required
- Successful completion of Tailings Storage Facility (TSF) as a key part of the process system.

**PROCESS IMPROVEMENTS AND ENHANCEMENTS**

As part of the commissioning and ramp up phase the Company has continued to commit significant resources to testwork and maximising production and quality from the Uley Graphite™ plant and has engaged experienced external technical consultants in that process. During recent production runs, the Company's external consultants concluded that the existing plant's capacity and quality may be significantly enhanced to levels that exceed its original name plate levels. Moreover the process improvements and enhancements will be able to be implemented by the Company's external specialist consultants within the limits of the Initial Facility and completed by April 2016.

In particular Uley Graphite™ plant testwork has confirmed and duplicated the Company's independent laboratory testing that additional grinding of coarser graphite concentrate currently produced at the site resulted in improved concentrate purity across all mesh sizes (see Figure 1).



*Figure 1. Additional Grinding Test % Loss on Ignition (LOI) Purity Results by Mesh size  
(Uley Graphite™ plant) 29 August 2015*

It is expected the enhancements will accelerate the Company's production expansion programs by several months, with production capacity planned to increase by more than 50% to a level in excess of 20,000 tonnes per annum whilst achieving product purity and detailed specifications to meet current customers' requirements in respect of the Company's HeatPRO™ StratGRAFF™ products including:

- (a) Concentrate grade of more than 90%, targeting specifically 90% to 95% for specific customer requirements; and
- (b) At a mesh size distribution ranging from finer flake of -200 mesh to extra coarse flake of +35 mesh.

The Company continues to progress additional product qualifications with prospective customers for various graphite grades focusing on its key target applications in thermal management (the Company's HeatPRO™ brand) and in lubricants, drilling fluids, expandable graphites, fire retardants and foils (the Company's StratGRAFF™ brand).

#### **NEW RESOURCE ESTIMATES & MINING PROGRAM**

The Company will continue to work on updating the mineral resource and reserve estimate for Uley Pit 2 following recently announced drilling results (ASX announcement 24/8/2015). The highly encouraging results from drilling have the potential to increase the Uley Graphite™ operation's resource tonnes and, due to the shallow nature of the deposit, has the potential to generate lower cost reserves.

The Company plans to release an updated JORC 2014 mineral resource and reserve estimate in Q1 CY2016. This will follow the upgrades, which have already been released this year and generate a further detailed technical analysis, which is likely to give rise to an update of the mine plan. Consistent with the scheduling of process improvements the Company is considering deferring the planned commencement of mining activities at Uley Pit 2 until Q1 CY2016 so that new ore is only mined as needed to feed the plant.



## **PRODUCTION CHANGES & OVERHEAD COST REDUCTION PROGRAM**

To allow for work to be carried out for the process improvement program, the existing Uley Graphite™ plant will be operated at 50% of nameplate capacity until April 2016. Valence Industries is confident that all existing and potential customer specifications will be satisfied with the reduced production rate, and the Company is continuing to work with customers to match production to customer delivery requirements.

These changes have also seen Valence Industries implement a cost reduction program at both the Uley Graphite™ site and the corporate office in Adelaide, South Australia. Valence Industries has reduced workforce numbers by 60% and, together with corporate and plant operating efficiencies, the initiative is expected to deliver significant monthly cost savings.

Valence Industries will retain key staff required for current production and process improvement, and will further review workforce structure as production increases to full capacity as it completes the process changes scheduled in April 2016.

## **CUSTOMER QUALIFICATIONS & EXPORTS**

Since June 2015, approximately 250 tonnes of graphite concentrate has been produced with the first concentrate shipments to occur following additional screening to match customer specifications. Further qualifications with new customers in Europe and the Americas is continuing with those to join existing customers scheduled to receive production this year, with the focus on key target applications in thermal management (branded HeatPRO™) and in lubricants, drilling fluids, expandable graphites, fire retardants and foils (branded StratGRAFF™).

The Company plans to commence trucking of graphite produced in the past three months to the warehouse in Adelaide within the next four to six weeks. Export shipping will occur once a minimum level of inventory of the Company's graphite products has been built up. This is required before regular exports to customers can commence, which is anticipated in the latter half of Q4 CY 2015. This modification to the export timeline accommodates for the production adjustment outlined above.

### **Managing Director and Chief Executive, Christopher Darby commented:**

"The focus of the Company going forward remains on the production and supply of premium grade graphite products at a consistent purity range from 90% to 95%. The operational changes we are implementing at the plant level and across the business will facilitate greater value to our business and shareholders and deliver early increases to our Phase II expansion program for improved output capacity."

*For further information, please contact:*

#### ***Investor enquiries:***

Christopher S. Darby  
CEO & Managing Director  
info@valenceindustries.com  
+61 8 8215 6400

#### ***Media enquiries:***

Fran Foo  
Media & Capital Partners  
fran.foo@mcpartners.com.au  
+61 416 302 719



---

**Forward Looking Statements**

*All statements other than statements of historical fact included in this announcement including, without limitation, statements regarding future plans and objectives of Valence Industries Limited (Valence Industries) are forward-looking statements. When used in this announcement, forward-looking statements can be identified by words such as 'may', 'could', 'believes', 'estimates', 'targets', 'expects' or 'intends' and other similar words that involve risks and uncertainties. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions regarding future events and actions that, as at the date of this announcement, are expected to take place. Such forward-looking statements are not guarantees of future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of the company, its directors and management of Valence Industries, that could cause Valence Industries' actual results to differ materially from the results expressed or anticipated in these statements.*

*Valence Industries cannot and does not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this announcement will actually occur and investors are cautioned not to place undue reliance on these forward-looking statements. Valence Industries does not undertake to update or revise forward-looking statements, or to publish prospective financial information in the future, regardless of whether new information, future events or any other factors affect the information contained in this announcement, except where required by applicable law.*

**Competent Persons Statement**

*The information in the announcement on 24 August 2015 that relates to the Mineral Resources pertaining to the Company's in-fill drilling campaign results was based on information compiled by Ms Karen Lloyd under the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Ms Lloyd consented to the inclusion of the statement.*

*Valence Industries confirms that it is not aware of any new information or data that materially affects the information included in this announcement and that all material assumptions and technical parameters underpinning the estimates in this announcement continue to apply and have not materially changed since the announcements previously released as "High Grade Graphite Mineralisation Continuity at Uley" (24/8/15).*