



# ASX Announcement

20 March 2014

## COMPANY DETAILS

**ABN:** 62 147 346 334

## **PRINCIPAL AND REGISTERED OFFICE**

Potash West NL  
Suite 3  
23 Belgravia Street  
Belmont WA 6104

## **POSTAL ADDRESS**

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## **ASX CODE**

PWN

## **OTC PINK**

PWNNY

## **CORPORATE INFORMATION**

(20 March 2014)

113M Ordinary shares  
4M Unlisted Options  
8M Listed Options

## **BOARD OF DIRECTORS**

**Adrian Griffin**  
(Non-Executive Chairman)  
**Patrick McManus**  
(Managing Director)  
**George Sakalidis**  
(Non-Executive Director)  
**Gary Johnson**  
(Non-Executive Director)

## POTASH WEST PHOSPHATE RESOURCE UPDATE

In the ASX release "PWN Phosphate Resource Update" of 20 March 2014 several rows were inadvertently omitted from section 2 of Appendix 1-JORC Code, 2012 Edition-Table 1. This has been rectified and an amended Appendix 1 is attached. We apologize for confusion this may have caused.

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### ***Competent Persons' Statements:***

The information in this report that relates to the estimation of the Mineral Resources is based on and fairly represents information and supporting documentation prepared by J.J.G. Doepel, who is a member of the Australasian Institute of Mining and Metallurgy. Mr. Doepel, Principal Geologist of the independent consultancy Continental Resource Management Pty Ltd, has sufficient experience relevant to the style of mineralisation and type of deposit under consideration. He is qualified as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". This report is issued with Mr. Doepel's consent as to the form and context in which the Mineral Resource appears.

The metallurgical information in this report is based on and fairly represents information and supporting documentation compiled by Gary Johnson, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr. Johnson has sufficient experience relevant to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Johnson is a Non- executive Director of Potash West and Managing Director of Strategic Metallurgy Pty Ltd. This report is issued with Mr. Johnson's consent as to the form and context in which the results appear.

**About Potash West**

*Potash West (ASX:PWN) is an exploration company focused on developing potassium-rich glauconite deposits in West Australia's Perth Basin. The Company aims to define a substantial resource base and investigate how best to recover phosphate and potash from the mineral. The project is well situated in relation to infrastructure, with close access to rail, power and gas. A successful commercial outcome will allow the Company to become a major contributor to the fertilizer market at a time of heightened demand.*

*The Company has a major land holding over one of the world's largest known glauconite deposits, with exploration licenses and applications covering an area of more than 2,000km<sup>2</sup>. Previous exploration indicates glauconite sediments are widespread for more than 150km along strike and 30km in width*

## APPENDIX 1 - JORC CODE, 2012 EDITION – TABLE 1

### Section 1 Sampling Techniques and Data

Criteria	Commentary
<b><i>Sampling techniques</i></b>	<ul style="list-style-type: none"> <li>Air-core drilling was used to obtain 1m samples from target horizons;</li> <li>3kg sub-samples were split by rotary splitter or by scoop sampling. Sub-sample size 3 to 4kg.</li> </ul>
<b><i>Drilling techniques</i></b>	<ul style="list-style-type: none"> <li>Vertical NQ Air-core</li> </ul>
<b><i>Drill sample recovery</i></b>	<ul style="list-style-type: none"> <li>Clay content of moist greensands ensured total recovery and retention of all size fractions;</li> <li>Holes were conditioned at completion and cyclone opened and cleaned before next hole drilled</li> </ul>
<b><i>Logging</i></b>	<ul style="list-style-type: none"> <li>All intervals geologically logged directly into a field computer using a database designed to capture relevant data including, oxidation, grainsize, rounding, sorting, mineralisation, hardness, colour and stratigraphic unit. All logging sample layouts are photographed and chip trays stored for future reference.</li> </ul>
<b><i>Sub-sampling techniques and sample preparation</i></b>	<ul style="list-style-type: none"> <li>Duplicate field splits at a 1:18 ratio returned R<sup>2</sup> correlation coefficient of 0.96 for P<sub>2</sub>O<sub>5</sub> indicating robustness of sampling process;</li> <li>Sample preparation by Genalysis Laboratory Services Pty Ltd via drying and total pulverisation</li> </ul>
<b><i>Quality of assay data and laboratory tests</i></b>	<ul style="list-style-type: none"> <li>Analysis by Genalysis Laboratory Services Pty Ltd by Phosphate Major Element Suite FB1 method (XRF after lithium borate fusion);</li> <li>Two alternate phosphate standards were submitted with samples at a 1:18 ratio. For the P<sub>2</sub>O<sub>5</sub> analyses the respective means of the analytical results of the standards were 9.74% and 4.94% as against the nominal standard means of 9.72% and 4.94%.</li> </ul>
<b><i>Verification of sampling and assaying</i></b>	<ul style="list-style-type: none"> <li>Sampling and logging verified by site visits by Exploration Manager and Independent Consultant. Logging checked against major element assays and sample photography;</li> <li>Assay entry by digital capture of laboratory files, with later verification of significant intervals against original files.</li> </ul>
<b><i>Location of data points</i></b>	<ul style="list-style-type: none"> <li>Holes located by GPS;</li> <li>Grid MGA_GDA94, Zone 50;</li> <li>Elevation data is based on a topographic contour set produced from SRTM imagery at 5m vertical resolution.</li> </ul>
<b><i>Data spacing and distribution</i></b>	<ul style="list-style-type: none"> <li>1m samples collected and analysed throughout mineralized horizons;</li> <li>Geological continuity across deposit;</li> <li>Grade continuity over 1100m in 20°/300° orientation and 750m in 110°/290° orientation. As the holes were drilled on 400m spacing the geological and grade continuity is appropriate for the estimation procedure and the resource classification.</li> </ul>
<b><i>Orientation of data in relation to geological</i></b>	<ul style="list-style-type: none"> <li>Vertical drilling through virtually horizontal stratigraphy resulted in intersected thickness equivalent to true thickness.</li> </ul>

Criteria	Commentary
<b>structure</b>	
<b>Sample security</b>	<ul style="list-style-type: none"> <li>• Samples transported from site to laboratory by Potash West staff.</li> </ul>
<b>Audits or reviews</b>	<ul style="list-style-type: none"> <li>• Sample techniques, logs, and data reviewed positively by independent consultant geologist.</li> </ul>

## Section 2 Reporting of Exploration Results

Criteria	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"> <li>• The deposit is within E70/3987 held by Richmond Resources Pty Ltd. A deed is place between Richmond Resources and Potash West, whereby Potash West holds the rights to the glauconite and phosphate minerals and to any by-products produced processing these minerals.</li> <li>• The tenement was granted on 26/07/2011 for a period of five years. The required expenditure has been met for the first two years.</li> <li>• The deposit is beneath farm land owned by Roseville Nominees, with whom compensation agreements have been signed, with the mineral sub-surface rights subsequently being granted both above and below 30m below surface.</li> </ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>• No exploration work was carried out in the area of the deposit prior to that by Potash West.</li> </ul>
<b>Geology</b>	<ul style="list-style-type: none"> <li>• The phosphate is present as fluorapatite nodules and grains concentrated within particular horizons of horizontal greensand and chalk formations.</li> </ul>
<b>Drill hole Information</b>	<ul style="list-style-type: none"> <li>• See Appendix 2.</li> </ul>
<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li>• No data aggregation used. 1m samples collected, analysed, and modelled through mineralisation.</li> </ul>
<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"> <li>• Mineralisation widths and intercept lengths in 1:1 ratio, as vertical holes intersect horizontal mineralisation.</li> </ul>
<b>Diagrams</b>	<ul style="list-style-type: none"> <li>• See Figures 3 to 5.</li> </ul>
<b>Balanced Reporting</b>	<ul style="list-style-type: none"> <li>• See Figures 4 and 5: representative grade sections through the deposit.</li> </ul>
<b>Other substantive exploration data</b>	<ul style="list-style-type: none"> <li>• Deposit grade is uniform within sedimentary horizons, with grade continuity over 1100m to 20° and 650m to 110°.</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li>• The deposit is open to the north and to the east. Further drilling is planned to confirm continuation.</li> </ul>

### Section 3 Estimation and Reporting of Mineral Resources

Criteria	Commentary
<b>Database integrity</b>	<ul style="list-style-type: none"> <li>Assay data copied digitally from laboratory files; significant intersections checked; Micromine drill-hole verification performed.</li> </ul>
<b>Site visits</b>	<ul style="list-style-type: none"> <li>Competent person visited site during drilling programmes in June and August 2012.</li> </ul>
<b>Geological interpretation</b>	<ul style="list-style-type: none"> <li>High degree of confidence in geological interpretation as stratigraphy is both visually and chemically distinct and continuous.</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>Resource has north-south length of 1200m and east-west length of 2850m. Minimum depth is 5m and maximum depth is 50m with majority of resource between 20m and 40m below surface;</li> <li>Mineralisation is closed to west by topography and tenure; open to north and to east; and of low grade to south.</li> </ul>
<b>Estimation and modelling techniques</b>	<ul style="list-style-type: none"> <li>Estimation of P<sub>2</sub>O<sub>5</sub> ore block grades by IDS within 1% P<sub>2</sub>O<sub>5</sub> wireframe using Micromine software;</li> <li>Block size 100m x 100m x 1m vertical (sample spacing 400m x 400m x 1m);</li> <li>Search criteria 1100m to 20°; plunge 0°; 650m to 110°; dip 0.7° to 110°; and 2.5m vertical;</li> <li>Geological boundaries checked against grade shell;</li> <li>Previous report of same estimate using lower block cut of 1.85% P<sub>2</sub>O<sub>5</sub>. No previous estimates or mine production records carried out;</li> <li>No upper cuts as no outlying values;</li> <li>OBM grades validated by comparison with assay values.</li> </ul>
<b>Moisture</b>	<ul style="list-style-type: none"> <li>Tonnages estimated on dry basis.</li> </ul>
<b>Cut-off parameters</b>	<ul style="list-style-type: none"> <li>Estimate initially reported above a range of grades. Final report grade of above 2.15% P<sub>2</sub>O<sub>5</sub> selected on basis of on-going Potash West studies;</li> </ul>
<b>Mining factors or assumptions</b>	<ul style="list-style-type: none"> <li>Topsoil and overburden to be mined by scrapers and mineralisation to be mined by bulldozer feeding in-pit slurry unit.</li> </ul>
<b>Metallurgical factors or assumptions</b>	<ul style="list-style-type: none"> <li>The processing route is conventional, consisting of wet scrubbing, screening, desliming, magnetic separation, flotation, and reaction with sulphuric acid to produce single superphosphate.</li> </ul>
<b>Environmental factors or assumptions</b>	<ul style="list-style-type: none"> <li>Waste and de-watered flotation tailings and slimes to be returned to mine-void and covered with stored topsoil.</li> </ul>
<b>Bulk density</b>	<ul style="list-style-type: none"> <li>Density determinations carried out on 93 PQ core samples by Metallurgy Pty Ltd and reported as dry densities;</li> <li>Poison Hill Greensand: 12 samples, median SG 1.45, mean SG 1.55, SG of 1.50 used;</li> <li>Gingin Chalk: 7 samples, median SG 1.53, mean SG 1.50, SG of 1.50 used;</li> <li>Molecap Greensand: 68 samples, median SG 1.64, mean SG 1.64, SG of 1.63 used;</li> <li>Nodule horizon: 6 samples, median SG 1.81, mean SG 1.80, SG of 1.80 used.</li> </ul>
<b>Classification</b>	<ul style="list-style-type: none"> <li>Classified as Indicated Resource as it is the Competent Person's view that the drill-holes from which resource is estimated clearly define both geological and grade continuity throughout the resource; and that the density data adequately reflects that of the</li> </ul>

Criteria	Commentary
	deposit.
<b><i>Discussion of relative accuracy / confidence</i></b>	<ul style="list-style-type: none"><li>• The relative accuracy of the Mineral Resource estimate is reflected in the reporting of the Mineral Resource as per the guidelines of the 2012 JORC Code.</li></ul>

## APPENDIX 2 –DRILL-HOLE DETAILS

The table below details the air-core drill-holes used for the resource estimate. All holes were drilled vertically.

Hole ID	E MGA Z50 (GDA 94)	N MGA Z50 (GDA 94)	RL (m)	Depth (m)
PWAC034	368142	6637532	352	80
PWAC035	368148	6636740	362	75
PWAC036	368128	6636050	359	78
PWAC037	368139	6635359	353	68
PWAC209	368555	6636394	375	48
PWAC210	369363	6636400	367	45
PWAC211	370149	6636446	375	55
PWAC212	368559	6635603	365	48
PWAC213	369351	6635597	352	39
PWAC214	370154	6635604	359	48
PWAC215	370164	6637206	358	48
PWAC216	369368	6637194	383	53
PWAC217	368554	6637201	376	45
PWAC218	368554	6638002	348	21
PWAC219	369359	6637998	368	43
PWAC220	370151	6638003	361	45
PWAC221	368952	6638403	356	21
PWAC222	368538	6638399	338	15
PWAC223	369344	6638407	361	39
PWAC224	369758	6638400	365	45
PWAC225	370156	6638399	362	39
PWAC226	370572	6638404	366	45
PWAC227	370554	6638000	360	48
PWAC228	369758	6638000	363	39
PWAC229	368945	6637995	357	30
PWAC230	368167	6637998	340	21
PWAC231	368357	6637800	351	12
PWAC232	368543	6637610	364	28
PWAC233	368919	6637620	377	45
PWAC234	369369	6637603	370	45
PWAC235	369757	6637601	365	42
PWAC236	370166	6637605	361	39
PWAC237	370558	6637603	360	44
PWAC238	370556	6637197	350	45
PWAC239	369749	6637200	372	48
PWAC240	368957	6637231	391	60
PWAC241	368352	6637398	365	24
PWAC242	368154	6637198	357	15
PWAC243	368351	6636997	367	33
PWAC244	368550	6636801	375	45
PWAC245	368963	6636798	386	60

Hole ID	E MGA Z50 (GDA 94)	N MGA Z50 (GDA 94)	RL (m)	Depth (m)
PWAC246	369345	6636808	380	54
PWAC247	369754	6636799	374	56
PWAC248	370158	6636798	365	48
PWAC249	370556	6636800	355	39
PWAC250	370560	6636401	362	57
PWAC251	369754	6636397	377	60
PWAC252	368956	6636405	370	35
PWAC253	368752	6636402	372	45
PWAC254	368154	6636402	366	28
PWAC255	368363	6636598	370	36
PWAC256	368352	6636799	369	29
PWAC257	368159	6637000	361	24
PWAC258	368351	6637197	371	27
PWAC259	368558	6636997	377	42
PWAC260	368355	6636202	371	28
PWAC261	368553	6636003	367	35
PWAC262	368957	6636002	365	36
PWAC263	369356	6635996	360	39
PWAC264	369755	6635999	363	42
PWAC265	370154	6636002	363	51
PWAC266	370553	6636000	360	48
PWAC267	370554	6635603	352	48
PWAC268	369757	6635600	351	36
PWAC269	368953	6635599	364	36
PWAC270	368353	6635797	357	21
PWAC271	368155	6635604	354	15
PWAC272	368357	6635388	369	35
PWAC273	368160	6635209	347	15
PWAC274	368556	6635200	370	37
PWAC275	368958	6635201	365	39
PWAC276	369361	6635201	354	36
PWAC277	369722	6635176	343	30
PWAC278	370156	6635203	345	36
PWAC279	370554	6635200	354	48
PWAC280	369356	6634799	351	36
PWAC281	368955	6634802	355	30
PWAC282	368554	6634799	356	27
PWAC283	368159	6634794	344	9
PWAC284	370755	6635402	354	51
PWAC285	370758	6635804	357	51
PWAC286	370753	6636195	356	48
PWAC287	370756	6636601	357	48
PWAC288	370753	6637000	348	36
PWAC289	370753	6637402	354	42
PWAC290	370741	6637807	357	42
PWAC291	370740	6638203	358	39