



**MANHATTAN**

MANHATTAN CORPORATION LIMITED

## SEPTEMBER QUARTER 2015 HIGHLIGHTS

- *Uranium price up 33% in last year to around US\$36lb*
- *Virtually all other commodities are crashing on a downward slope including zinc, nickel, gold, silver, iron ore, coal, coffee, sugar and oil*
- *Uranium price forecast to rise by 80% to over US\$64lb by 2018 (Bloomberg). Gold by comparison is expected to rise by 14% to US\$1,285 an ounce in same period*
- *World Nuclear Association forecasts global nuclear power generation capacity to grow by 45% over next 20 years*
- *Nuclear power is cost competitive with other baseload technologies and can generate more electricity, more cheaply, over their operating life if financing costs are competitive (OECD Nuclear Energy Agency IEA Report)*
- *China, with 25 units under construction, is building nuclear reactors faster than any nation in history and its nuclear grid will surpass the US as the largest producer of nuclear power and consumer of uranium by 2025*
- *USA and Japan renew commitment to nuclear power. USA has 5 new reactors under construction and nuclear plants making a major contribution to emission reduction targets announced by President Obama*
- *Japan has 3 new plants under construction and restarted 2 existing plants with 16 plants planned to be back online by 2016*
- *Russia, India, South Korea and UEA forge ahead with their nuclear new builds*
- *New uranium mines required with 83% increase in yellowcake supply to 267Mlb per annum by 2025 needed to service installed nuclear fleet*
- *Current uranium prices need to double to around \$75lb to attract new investment in mines to meet supply by 2020*
- *Manhattan's 100% owned Ponton project in WA has reported 17.2Mlb uranium oxide Inferred Resource with additional drilled Exploration Targets reported of 33 to 67Mlbs U<sub>3</sub>O<sub>8</sub>*
- *Manhattan's Ponton project potential lower quartile cost ISR uranium producer*
- **SPOT MARKET URANIUM OXIDE NOW US\$35.25 POUND**



## REVIEW OF OPERATIONS

### INTRODUCTION

Manhattan Corporation Limited's ("Manhattan") flagship Ponton uranium project is located approximately 200km northeast of Kalgoorlie on the edge of the Great Victoria Desert in WA. The Company has 100% control of around 1,250km<sup>2</sup> of exploration tenements underlain by Tertiary palaeochannels within the Gunbarrel Basin. These palaeochannels are known to host a number of uranium deposits and drilled uranium prospects (Figures 1 & 2).

The Company is drill testing and developing palaeochannel sand hosted uranium mineralisation amenable to in-situ metal recovery ("ISR").

**FIGURE 1: MANHATTAN'S PONTON URANIUM PROJECT**



In March 2011 Manhattan reported an Inferred Resource for the Double 8 uranium deposit at Ponton in WA of 17.2 million pounds ("Mlb") of uranium oxide (" $U_3O_8$ ") at a 200ppm cutoff. This information was prepared and first disclosed under JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

Exploration Results at Ponton, reported on 7 February 2014, have also identified four wide spaced drilled Exploration Targets with tonnage ranges of 4 to 45 million tonnes ("Mt"), grade ranges of 250 to 450ppm  $U_3O_8$  totalling 33 to 67Mlb  $U_3O_8$  at the 200ppm  $U_3O_8$  cutoff. In accordance with clause 17 of the JORC Code 2012, the potential quantity and grade reported as Exploration Targets in this report must be considered conceptual in nature as there has been insufficient exploration and drilling to define a Mineral Resource and it is uncertain if further exploration and drilling will result in the determination of a Mineral Resource.

The four Exploration Targets reported for the Ponton project are:

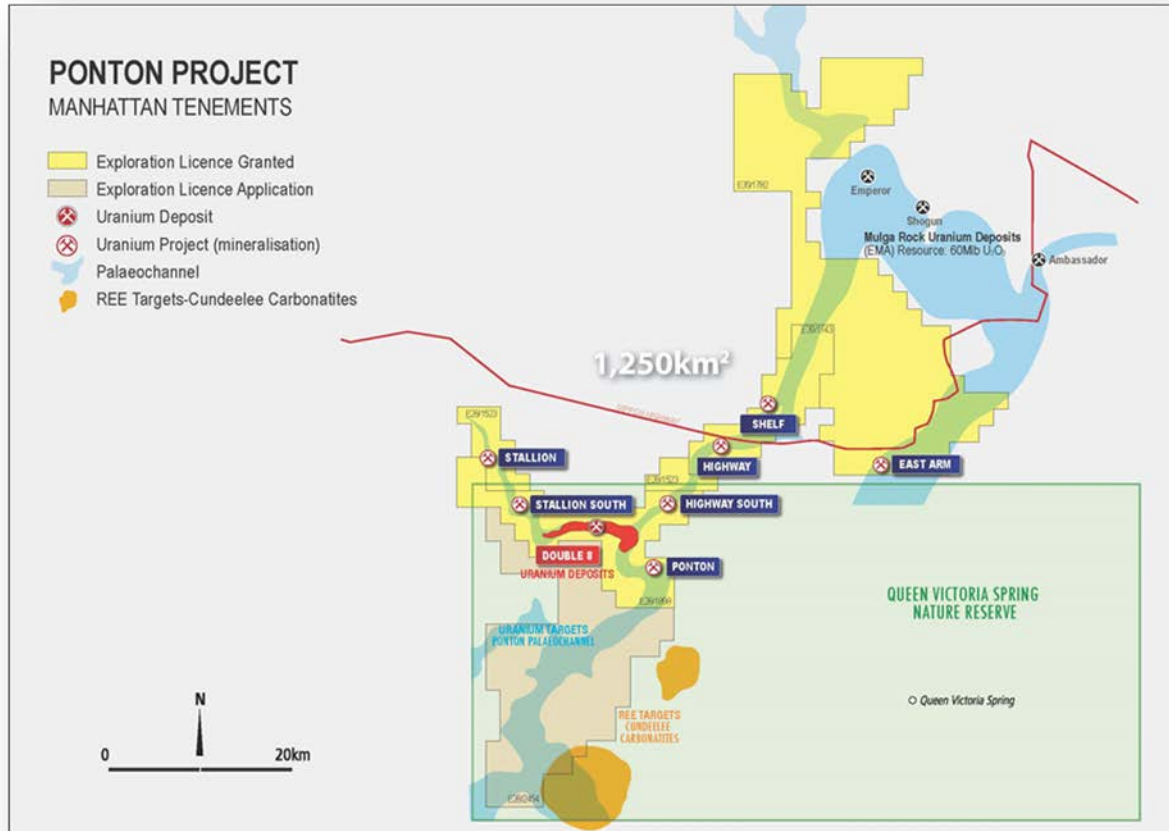
- Double 8 of between 2.5 and 5.5Mlb  $U_3O_8$ ;
- Stallion South of between 8 and 16Mlb  $U_3O_8$ ;
- Highway South of between 8 and 16Mlb  $U_3O_8$ ; and
- Ponton of between 15 and 30Mlb  $U_3O_8$



The Double 8 Resource Estimate and the Double 8, Stallion South, Highway South and Ponton Exploration Targets reported here were prepared by the Company's independent resource consultants Hellman & Schofield.

The Double 8 uranium deposit and the four Exploration Targets at Double 8, Stallion South, Highway South and Ponton are all located on granted exploration licence, E28/1898, located mostly within the Queen Victoria Spring Nature Reserve ("QVSNR") (Figures 2 & 3).

**FIGURE 2: MANHATTAN'S PONTON TENEMENTS**



The four Exploration Targets reported are based on actual exploration results including Manhattan's aircore and sonic drilling of over 760 holes and 52,700 metres of drilling along the palaeochannels immediately to the north of QVSNR, over 50km of conductive palaeochannels defined by the Company's airborne EM and magnetic surveys within QVSNR (Figure 3) and uranium mineralised sands discovered in previous drilling of 114 holes and 6,900 metres of drilling and down hole gamma logging by PNC Exploration ("PNC") and Uranerz Limited ("Uranerz") in the area.

Manhattan is now seeking exploration access approval to exploration licence E28/1898 located mostly within the QVSNR. The licence was granted in August 2011. On gaining exploration access to E28/1898 Manhattan will recommence drill testing and evaluation of the Double 8 uranium deposit and the four Exploration Targets identified at Double 8, Stallion South, Highway South and Ponton prospects where resource definition drilling will underpin the future development of the project.



## REVIEW OF PROJECTS

### 1. PONTON PROJECT (WA)

**Interest: Manhattan 100%**

**Operator: Manhattan Corporation Limited**

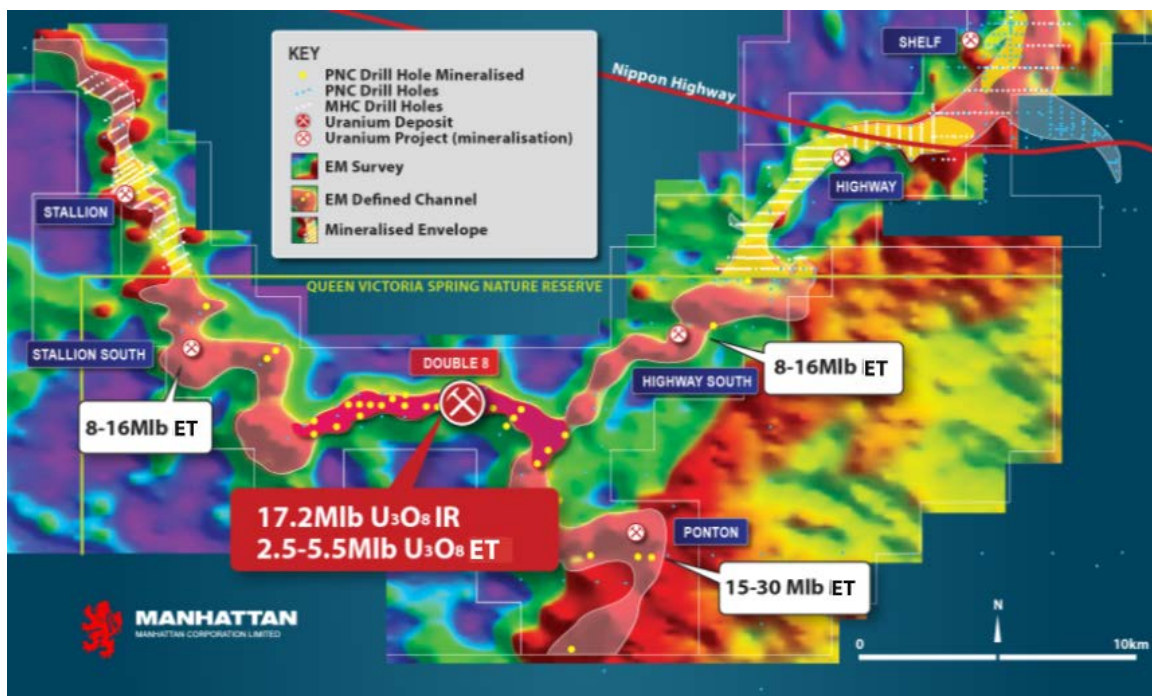
The Ponton project area is underlain by Tertiary palaeochannels within the Gunbarrel Basin. Carbonaceous sand hosted uranium mineralisation, below 40 to 70 metres of cover, has now been defined by drilling along 55 kilometres of the palaeochannels at Stallion, Stallion South, Double 8, Ponton, Highway and Highway South prospects (Figure 3). At a depth of 40 to 70 metres the uranium mineralisation is in shallow reduced sand hosted tabular uranium deposits in a confined palaeochannel that is potentially amenable to ISR metal recovery, the lowest cost method of producing yellowcake with the least environmental impact.

Within E28/1898 approximately 6,900 metres of drilling, in 114 drill holes, was drilled and down hole gamma logged by PNC and Uranerz in 1983 to 1986. This drilling discovered the palaeochannel sand hosted uranium mineralisation at Double 8, Stallion South, Highway South and Ponton (Figure 3). Manhattan has obtained and compiled all the PNC and Uranerz exploration results including the geological drill logs, assay results, down hole gamma logs, logging tool calibrations and estimated disequilibrium factors. These drill logs and gamma logs have been digitised and verified by Manhattan's independent consultants 3D Exploration Pty Ltd.

Forty four (44) of these drill holes were drilled into the Double 8 deposit. Double 8 was found to host roll-front or tabular type uranium mineralisation in the lower parts of the palaeochannel (40 to 70 metres depth) in reduced sands. The uranium mineralisation was drill intersected in an area along approximately nine kilometres of the palaeochannel, at widths of approximately 500m on average and down hole thicknesses of 3 to 25 metres.

From December 2009 to December 2010 Manhattan drilled over 52,700 metres of aircore and sonic drilling in 767 holes along the palaeochannels at Ponton to the north of the QVSNR. Manhattan's exploration and drilling results and the historic PNC and Uranerz data have been reviewed and the Inferred Resource estimated for Double 8 and Exploration Targets reported for Double 8, Stallion South, Highway South and Ponton prospects.

**FIGURE 3: DOUBLE 8 RESOURCE, STALLION SOUTH, HIGHWAY SOUTH & PONTON EXPLORATION TARGETS**





## 2. DOUBLE 8 URANIUM DEPOSIT (WA)

**Interest: Manhattan 100%**

**Operator: Manhattan Corporation Limited**

The Double 8 uranium deposit is located in granted tenement E28/1898 in the southwest of the project area within the QVSNR (Figures 2 & 3).

### DOUBLE 8 INFERRED RESOURCE ESTIMATES

An Inferred Resource of 7,800 tonnes (17.2Mlb) of uranium oxide at a 200ppm  $U_3O_8$  cutoff for the Double 8 uranium deposit was reported in 2011. The reported resources are based on RC drilling by PNC in the mid 1980's and are classified as Inferred. This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

#### Double 8 Inferred Resources

DOUBLE 8 INFERRED RESOURCE ESTIMATES				
CUTOFF GRADE $U_3O_8$ (ppm)	TONNES (MILLION)	GRADE $U_3O_8$ (ppm)	TONNES $U_3O_8$ (t)	POUNDS (MILLION) $U_3O_8$ (Mlb)
100	110	170	18,700	42.0
150	51	240	12,240	26.0
200	26	300	7,800	17.2
250	14	360	5,040	11.0

Where  $U_3O_8$  is reported it relates to grade values calculated from down hole radiometric gamma logs. Double 8 drill holes were logged by PNC using Austral L300 Middiloggers for natural gamma radiation. Four Austral L300 loggers were used by PNC in the area, calibrated against each other on a regular basis, and gamma responses compared to chemical assays from a number of core holes. Conversion factors for gamma response to U assays assuming secular equilibrium were then established.  $eU_3O_8$  grades are then estimated by converting down hole radiometric gamma logs to equivalent uranium  $eU$  and multiplied by 1.179 to convert to equivalent uranium grades  $eU_3O_8$ . A further disequilibrium factor is applied by multiplying  $eU_3O_8$  by 1.2 to establish  $U_3O_8$ . Down hole radiometric gamma logging in sand hosted uranium deposits, similar to Double 8, is a common and well established method of estimating uranium grades. All  $U_3O_8$  grade results reported are subject to possible disequilibrium factors that should be taken into account when assessing the reported grades.

### DOUBLE 8 EXPLORATION TARGET

The Double 8 Exploration Target, reported in January 2014, is based on 44 drill holes totalling approximately 2,700 metres of drilling and down hole gamma logs in areas of the deposit where drill spacing is considered too wide to define a Mineral Resource to an inferred resource status.

Exploration Results have identified a drilled Exploration Target with uranium mineralisation potential, at a 200ppm  $U_3O_8$  cutoff, at Double 8 of 4 to 8Mt grading 250 to 450ppm  $U_3O_8$  containing 1,100 to 2,500 tonnes or 2.5 to 5.5Mlb of contained  $U_3O_8$ .

#### Double 8 Exploration Target

DOUBLE 8 EXPLORATION TARGET				
CUTOFF GRADE $U_3O_8$ (ppm)	TONNAGE RANGE (MILLION)	GRADE RANGE $U_3O_8$ (ppm)	TONNAGE RANGE $U_3O_8$ (t)	POUNDS RANGE (MILLION) $U_3O_8$ (Mlb)
200	4 - 8	250 - 450	1,100 - 2,500	2.5 - 5.5

In accordance with clause 17 of the JORC Code 2012, the potential quantity and grade reported as Exploration Targets in this report must be considered conceptual in nature as there has been insufficient exploration and drilling to define a Mineral Resource and it is uncertain if further exploration and drilling will result in the determination of a Mineral Resource.

The uranium mineralisation at Double 8 remains open and is yet to be closed off by drilling. Manhattan considers that further infill drilling, on 100m x 400m centres, of the Double 8 deposit will expand on the reported resource



and the confidence levels of resources will improve and report to higher confidence categories under the JORC Code 2012.

On gaining exploration access to E28/1898, and approval of Manhattan's Program of Work ("POW") by the Department of Mines and Petroleum ("DMP"), the Company plans to complete approximately 200 aircore drill holes for 16,000 metres of infill resource definition drilling on 400 x 100m centres along the defined palaeochannel within the reported Inferred Resource area at Double 8. This drilling program, including the resource definition drilling planned for the Stallion South, Highway South and Ponton prospects, will be completed within approximately one year of POW approval (Figure 3).

### 3. STALLION SOUTH (WA)

**Interest: Manhattan 100%**

**Operator: Manhattan Corporation Limited**

Stallion South is located immediately to the south of Stallion and northwest of Double 8 along the Ponton palaeochannel. This prospect is within granted licence E28/1898 within the QVSNR (Figures 2 & 3).

The drilled uranium mineralisation at Stallion South is also hosted in palaeochannels within reduced carbonaceous sands and weathered granitic sands in a confined aquifer overlying crystalline granite basement.

#### STALLION SOUTH EXPLORATION TARGET

The Stallion South Exploration Target, reported in January 2014, is based on 13 drill holes totalling approximately 780 metres of drilling and down hole gamma logs. This drilling, on approximately 400m x 3km centres along the palaeochannel, is considered too wide to define a Mineral Resource to an inferred resource status.

Exploration Results have identified a drilled Exploration Target with uranium mineralisation potential at a 200ppm U<sub>3</sub>O<sub>8</sub> cutoff, for Stallion South of 12 to 24Mt grading 250 to 350ppm U<sub>3</sub>O<sub>8</sub> containing 3,600 to 7,300 tonnes or 8 to 16Mlb of contained U<sub>3</sub>O<sub>8</sub>.

#### Stallion South Exploration Target

STALLION SOUTH EXPLORATION TARGET				
CUTOFF GRADE U <sub>3</sub> O <sub>8</sub> (ppm)	TONNAGE RANGE (MILLION)	GRADE RANGE U <sub>3</sub> O <sub>8</sub> (ppm)	TONNAGE RANGE U <sub>3</sub> O <sub>8</sub> (t)	POUNDS RANGE (MILLION) U <sub>3</sub> O <sub>8</sub> (Mlb)
200	12 - 24	250 - 350	3,600 - 7,300	8 - 16

*In accordance with clause 17 of the JORC Code 2012, the potential quantity and grade reported as Exploration Targets in this report must be considered conceptual in nature as there has been insufficient exploration and drilling to define a Mineral Resource and it is uncertain if further exploration and drilling will result in the determination of a Mineral Resource.*

On gaining exploration access to E28/1898, and approval of Manhattan's POW by DMP, the Company plans to complete approximately 250 aircore drill holes for 20,000 metres of infill resource definition drilling on 400 x 100m centres along the defined palaeochannel at Stallion South. This drilling program, including the resource definition drilling planned for Double 8 and the Highway South and Ponton prospects, will be completed within approximately one year of POW approval (Figure 3).

### 4. HIGHWAY SOUTH (WA)

**Interest: Manhattan 100%**

**Operator: Manhattan Corporation Limited**

Highway South is centred 5km along the palaeochannel to the northeast of Double 8. This prospect is within granted licence E28/1898 within the QVSNR (Figures 2 & 3).

The drilled uranium mineralisation at Highway South is also hosted in palaeochannels within reduced carbonaceous sands and weathered granitic sands in a confined aquifer overlying crystalline granite basement.



## HIGHWAY SOUTH EXPLORATION TARGET

The Highway South Exploration Target, reported in January 2014, is based on 33 drill holes totalling approximately 1,980 metres of drilling and down hole gamma logs. This drilling, on approximately 400m x 2km centres along the palaeochannel, is considered too wide to define a Mineral Resource to an inferred resource status.

Exploration Results have identified drilled Exploration Targets with uranium mineralisation potential at a 200ppm  $U_3O_8$  cutoff, for Highway South of 12 to 24Mt grading 250 to 350ppm  $U_3O_8$  containing 3,600 to 7,300 tonnes or 8 to 16Mlb of contained  $U_3O_8$ .

### Highway South Exploration Target

HIGHWAY SOUTH EXPLORATION TARGET				
CUTOFF GRADE $U_3O_8$ (ppm)	TONNAGE RANGE (MILLION)	GRADE RANGE $U_3O_8$ (ppm)	TONNAGE RANGE $U_3O_8$ (t)	POUNDS RANGE (MILLION) $U_3O_8$ (Mlb)
200	12 - 24	250 - 350	3,600 - 7,300	8 - 16

*In accordance with clause 17 of the JORC Code 2012, the potential quantity and grade reported as Exploration Targets in this report must be considered conceptual in nature as there has been insufficient exploration and drilling to define a Mineral Resource and it is uncertain if further exploration and drilling will result in the determination of a Mineral Resource.*

On gaining exploration access to E28/1898, and approval of Manhattan's POW by DMP, the Company plans to complete approximately 250 aircore drill holes for 20,000 metres of infill resource definition drilling on 400 x 100m centres along the defined palaeochannel at Highway South. This drilling program, including the resource definition drilling planned for Double 8 and the Stallion South and Ponton prospects, will be completed within approximately one year of POW approval (Figure 3).

## 5. PONTON (WA)

**Interest: Manhattan 100%**

**Operator: Manhattan Corporation Limited**

Ponton is located along the palaeochannel to the southeast of Double 8. This prospect is within granted licence E28/1898 within the QVSNR (Figures 2 & 3).

The drilled uranium mineralisation at Ponton is also hosted in palaeochannels within reduced carbonaceous sands and weathered granitic sands in a confined aquifer overlying crystalline granite and Patterson Group shale basement.

### PONTON EXPLORATION TARGET

The Ponton Exploration Target, reported in January 2014, is based on 24 drill holes totalling approximately 1,440 metres of drilling and down hole gamma logs. This drilling, on approximately 1km x 1km centres along the palaeochannel, is considered too wide to define a Mineral Resource to an inferred resource status.

Exploration Results have identified drilled Exploration Targets with uranium mineralisation potential, at a 200ppm  $U_3O_8$  cutoff, for the Ponton prospect of 23 to 45Mt grading 250 to 350ppm  $U_3O_8$  containing 6,800 to 13,600 tonnes or 15 to 30Mlb of contained  $U_3O_8$ .



### Ponton Exploration Target

PONTON EXPLORATION TARGET				
CUTOFF GRADE U <sub>3</sub> O <sub>8</sub> (ppm)	TONNAGE RANGE (MILLION)	GRADE RANGE U <sub>3</sub> O <sub>8</sub> (ppm)	TONNAGE RANGE U <sub>3</sub> O <sub>8</sub> (t)	POUNDS RANGE (MILLION) U <sub>3</sub> O <sub>8</sub> (Mlb)
200	23 - 45	250 - 350	6,800 - 13,600	15 - 30

*In accordance with clause 17 of the JORC Code 2012, the potential quantity and grade reported as Exploration Targets in this report must be considered conceptual in nature as there has been insufficient exploration and drilling to define a Mineral Resource and it is uncertain if further exploration and drilling will result in the determination of a Mineral Resource.*

On gaining exploration access to E28/1898, and approval of Manhattan's POW by DMP, the Company plans to complete approximately 300 aircore drill holes for 24,000 metres of infill resource definition drilling on 400 x 100m centres along the defined palaeochannel at the Ponton prospect. This drilling program, including the resource definition drilling planned for Double 8 and the Stallion South and Highway South prospects, will be completed within approximately one year of POW approval (Figure 3).

## 6. STALLION (WA)

**Interest: Manhattan 100%**

**Operator: Manhattan Corporation Limited**

The Stallion uranium prospect is located in E28/1523 and centred 14 kilometres northwest of the Double 8 uranium deposit at Ponton (Figures 2 & 3).

In 2010 Manhattan completed 221 vertical aircore drill holes totalling 16,914m and 16 duplicate sonic drill holes totalling 1,177m of drilling along 8 kilometres of the palaeochannel at Stallion (Figure 3). Drilling has been completed on 200m and 400m spaced lines with holes drilled at 100m centres along each grid line across the palaeochannel within mineralised zones. All drill holes were gamma logged.

The resource potential for Stallion is being assessed by the Company's independent resource consultants. The secular disequilibrium data for 205 sonic and aircore drill holes indicates a positive disequilibrium factor of 1 to over 3 above 80ppm U<sub>3</sub>O<sub>8</sub> and confirms that a disequilibrium factor for the Stallion prospect may be significantly higher than the x1.2 currently assumed for the reported Inferred Resources and Exploration Targets at Ponton. The application of the high resolution Germanium HpGe down hole probe when drilling recommences, that detects protactinium isotope Pa<sup>214</sup> which reaches equilibrium with U<sup>238</sup> within days, will establish (with the required statistical confidence) the conversion of the high resolution gamma logs to uranium grades for reporting of resource estimates at Stallion.

The geological controls and style of the palaeochannel sand hosted uranium mineralisation at Stallion are similar to the mineralisation encountered at Double 8.

## 7. HIGHWAY (WA)

**Interest: Manhattan 100%**

**Operator: Manhattan Corporation Limited**

The Highway uranium prospect is located in E28/1523 and E39/1143 centred 15 kilometres northwest of the Double 8 uranium deposit at Ponton (Figures 2 & 3).

In 2010 Manhattan completed 275 vertical aircore drill holes totalling 17,670m and 3 duplicate sonic drill holes totalling 144m of drilling along 10 kilometres of the palaeochannel at Highway (Figure 3). Drilling has been completed on 400m spaced lines with holes drilled at 100m centres along each grid line across the palaeochannel within mineralised zones. All drill holes were gamma logged.

As at Stallion, the resource potential for Highway is being assessed by the Company's independent resource consultants. The secular disequilibrium data also indicates a positive disequilibrium factor of 1 to over 3 above 80ppm U<sub>3</sub>O<sub>8</sub> and confirms that a disequilibrium factor for the Highway prospect may be significantly higher than the x1.2 currently assumed for the reported resource estimates at Ponton. Again, the application of the high





resolution Germanium HpGe down hole probe when drilling recommences, that detects protactinium isotope Pa<sup>214</sup> which reaches equilibrium with U<sup>238</sup> within days, will establish (with the required statistical confidence) the conversion of the high resolution gamma logs to uranium grades for reporting of resource estimates at Highway.

Apart from some shallow lignite hosted uranium mineralisation encountered along the northern part of the palaeochannel at Highway, the geological controls and style of the channel sand hosted uranium mineralisation at Highway are similar to the mineralisation encountered at Double 8 and Stallion.

## 8. SHELF (WA)

**Interest: Manhattan 100%**

**Operator: Manhattan Corporation Limited**

The Shelf prospect is located along the palaeochannel approximately 10km northeast of Highway in E39/1143.

At Shelf previous drilling by PNC and Uranerz on 200m x 100m centres identified shallower lignite hosted uranium mineralisation within the upper sandstone and claystone. In 2010 Manhattan drilled 8 duplicate aircore holes into, and confirmed, the lignite mineralisation at Shelf.

As well, in 2010 Manhattan drilled on lines approximately 800m and 1.2km apart along 20km of the palaeochannel to the north of Shelf and Highway to test the potential for additional resources within the palaeochannel to the north.

The resource potential for Shelf is being reviewed. As at Stallion and Highway, the application of the high resolution Germanium HpGe probe down hole logging will establish (with the required statistical confidence) the conversion of the high resolution gamma logs to uranium grades for reporting of resource estimates at Shelf.

## SUMMARY

In March 2011 Manhattan reported Inferred Resource for Double 8 of 17.2Mlb of uranium oxide and in February 2014 the Company reported an additional four drilled Exploration Targets with uranium mineralisation potential totalling 33 to 67Mlb U<sub>3</sub>O<sub>8</sub>, at the 200ppm U<sub>3</sub>O<sub>8</sub> cutoff, for the Double 8, Stallion South, Highway South and Ponton prospects.

Secular disequilibrium data for 205 sonic and aircore drill samples confirmed the positive disequilibrium factors of 1 to over 3 above 80ppm U<sub>3</sub>O<sub>8</sub> from Stallion and Highway drilling. This factor is significantly higher than the x1.2 currently assumed for the reported Inferred Resources and Exploration Targets in Manhattan's uranium deposits and prospects at Ponton. The application of the high resolution Germanium HpGe down hole probe, when drilling recommences, is required to establish (with the required statistical confidence) the conversion of the high resolution gamma logs to uranium grades for reporting of future resource estimates at Ponton.

The sand hosted uranium mineralisation is located in shallow, 40 to 70 metres deep, contiguous palaeochannels along 55km of strike at Ponton. Manhattan's three granted Exploration Licences and two EL applications over the prospective palaeochannels at Ponton cover an area of 1,250km<sup>2</sup>.

Tetra Tech's 2011 desktop scoping study confirms Manhattan's shallow near surface sand hosted palaeochannel uranium deposits at Ponton have potential to be viable, sustainable low cost ISR uranium producers with modest capital requirements to develop.

On resumption of drilling at Ponton work will also commence on an environmental impact statement ("EIS") and a bankable feasibility study ("BFS") in preparation for the uranium mine development approval process.

Whilst renewed confidence in the nuclear power sector, and record new build underway, has led to a recovery of the uranium oxide spot price from a low of US\$28lb in mid 2014 to around US\$37lb, prices remain flat. With the primary fuel supply shortfall growing the uranium mines needed to feed these plants are still years away according to a report by KPMG. With 67 reactors under construction around the world uranium prices are languishing at about half the level needed to attract investment in new mines.



Manhattan is continuing to develop a proposal with the WA government to gain ground access to E28/1898 to commence resource definition drilling on its Double 8, Stallion, Highway and Ponton uranium deposits and advanced prospects in WA.

The Company has reduced overheads and operating costs and remains focussed on gaining on the ground access approval at Ponton to move forward with the project's resource definition, economic and environmental assessments and possible future development.

Manhattan maintains an active generative program to identify advanced uranium projects and M&A opportunities to grow the Company and generate additional shareholder value.

**ALAN J EGGERS**

Executive Chairman

30 October 2015

**COMPETENT PERSON'S STATEMENT**

*The information in this report that relates to reported Exploration Results or Mineral Resources is based on information compiled by Mr Alan J Eggers, who is a Corporate Member of the Australasian Institute of Mining and Metallurgy ("AusIMM"). Alan Eggers is a professional geologist and an executive director of Manhattan Corporation Limited. Mr Eggers has sufficient experience that is relevant to the style of mineralisation and type of mineral deposits being reported on in this report and to the activity which he is undertaking 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 "JORC Code 2012". Mr Eggers consents to the inclusion in this report of the information on the Exploration Results or Mineral Resources based on his information in the form and context in which it appears.*



# Appendix 5B

## Mining exploration entity quarterly report

Introduced 1/7/96. Origin: Appendix 8. Amended 1/7/97, 1/7/98, 30/9/2001.

Name of entity

<b>MANHATTAN CORPORATION LIMITED</b>
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ABN

61 123 156 089
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Quarter ended ("current quarter")

<b>30 September 2015</b>
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### Consolidated statement of cash flows

	Current quarter \$A'000	Year to date (3 months) \$A'000
<b>Cash flows related to operating activities</b>		
1.1 Receipts from product sales and related debtors	-	-
1.2 Payments for		
(a) exploration and evaluation	(96)	(96)
(b) development	-	-
(c) production	-	-
(d) administration	(122)	(122)
1.3 Dividends received	-	-
1.4 Interest and other items of a similar nature received	1	1
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Other – R&D Refund (Net of Costs)	-	-
<b>Net Operating Cash Flows</b>	<b>(217)</b>	<b>(217)</b>
<b>Cash flows related to investing activities</b>		
1.8 Payment for purchases of:		
(a) prospects	-	-
(b) equity investments	-	-
(c) other fixed assets	-	-
1.9 Proceeds from sale of:		
(a) prospects	-	-
(b) equity investments	-	-
(c) other fixed assets	-	-
1.10 Loans from other entities	-	-
1.11 Loans repaid to other entities	-	-
1.12 Other – Security deposits	-	-
<b>Net Investing Cash Flows</b>	<b>-</b>	<b>-</b>
1.13 Total operating and investing cash flows (carried forward)	<b>(217)</b>	<b>(217)</b>

+ See chapter 19 for defined terms.

**Appendix 5B**  
**Manhattan Corporation Limited September 2015 Quarterly Report**

1.13	Total operating and investing cash flows (brought forward)	(217)	(217)
	<b>Cash flows related to financing activities</b>		
1.14	Proceeds from issues of shares, options, etc.	-	-
1.15	Proceeds from sale of forfeited shares	-	-
1.16	Proceeds from funds held on trust	-	-
1.17	Repayment of borrowings	-	-
1.18	Dividends paid	-	-
1.19	Other	-	-
	<b>Net Financing Cash Flows</b>	-	-
	<b>Net increase (decrease) in cash held</b>	(217)	(217)
1.20	Cash at beginning of quarter/year to date	439	439
1.21	Exchange rate adjustments to item 1.20	-	-
1.22	<b>Cash at End of Quarter</b>	<b>222</b>	<b>222</b>

**Payments to directors of the entity and associates of the directors**

**Payments to related entities of the entity and associates of the related entities**

		Current quarter \$A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	(90)
1.24	Aggregate amount of loans to the parties included in item 1.10	Nil
1.25	Explanation necessary for an understanding of the transactions	

1.23 Includes the following payments:

- Payments to Director related companies for Executive Chairman's fees \$52,500
- Legal Fees paid to Gilbert + Tobin \$3,000
- Non Executive Directors fees \$35,000

**Non-cash financing and investing activities**

- 2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

N/A

- 2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

N/A

**Financing facilities available**

Add notes as necessary for an understanding of the position.

		Amount available \$A'000	Amount used \$A'000
3.1	Loan Aggregate amount	-	-
3.2	Credit standby arrangements	-	-

+ See chapter 19 for defined terms.

**Estimated cash outflows for next quarter**

	\$A'000
4.1 Exploration & Evaluation	40
4.2 Development	-
4.3 Production	-
4.4 Administration	50
<b>Total</b>	<b>90</b>

**Reconciliation of cash**

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.	Current quarter \$A'000	Previous quarter \$A'000
5.1 Cash on hand and at bank	20	17
5.2 Deposits at call	202	422
5.3 Bank overdraft	-	-
5.4 Other (money held on behalf of shareholders)	-	-
<b>Total: Cash at End of Quarter (Item 1.22)</b>	<b>222</b>	<b>439</b>

**Changes in interests in mining tenements (Full Tenement Schedule Attached)**

	Tenement reference	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1	Interests in mining tenements relinquished, reduced or lapsed			
6.2	Interests in mining tenements acquired or increased			

+ See chapter 19 for defined terms.

**Issued and quoted securities at end of current quarter**

*Description includes rate of interest and any redemption or conversion rights together with prices and dates.*

	Total number	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.1 <b>Preference +securities</b> <i>(description)</i>	Nil			
7.2 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs, redemptions				
7.3 <b>+Ordinary securities</b>	111,476,273	111,476,273		
7.4 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs				
7.5 <b>+Convertible debt securities</b> <i>(description)</i>	Nil			
7.6 Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7 <b>Options</b> <i>(description and conversion factor)</i>	15,000,000	Nil	<u>Exercise Price</u> \$0.10	<u>Expiry Date</u> 28/11/2019
7.8 Issued during quarter				
7.9 Exercised during quarter				
7.10 Expired/Cancelled during quarter				
7.11 <b>Debentures</b> <i>(totals only)</i>	Nil			
7.12 <b>Unsecured notes</b> <i>(totals only)</i>	Nil			

+ See chapter 19 for defined terms.

### Compliance statement

- 1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 4).
- 2 This statement does give a true and fair view of the matters disclosed.



**RS (Sam) Middlemas**  
Company Secretary

**30 October 2015**

### Notes

- 1 The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- 2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- 4 The definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Cash Flow Statements* apply to this report.
- 5 **Accounting Standards** ASX will accept, for example, the use of International Accounting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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+ See chapter 19 for defined terms.

**TENEMENT SCHEDULE**

**As at 30 October 2015**

WESTERN AUSTRALIA							
Tenement Number	Project	Registered Holder(s)	Manhattan's Interest	Date Granted	Expiry Date	Area	Notes
E39/1143	Ponton	MHC	100%	24 Aug 2006	23 Aug 2015	35 sub blocks	(1)
E28/1523	Ponton	MHC	100%	26 Nov 2008	25 Nov 2015	20 sub blocks	
E28/1898	Ponton	MHC	100%	11 Aug 2011	10 Aug 2016	56 sub blocks	
E39/1782	Ponton	MHC	100%	10 July 2015	9 July 2020	189 sub blocks	
E28/2454	Ponton	MHC	100%	App	App	121 sub blocks	(2)

Notes	
(1)	Application for Extension of Term lodged with DMP
(2)	Application lodged with DMP on 28 February 2014

Abbreviations			
E	Exploration Licence WA	DMP	Western Australian Department of Mines and Petroleum
km <sup>2</sup>	Square Kilometre	MHC	Manhattan Corporation Limited ABN 61 123 156 089
App	Application Lodged		

Areas			
Western Australia		1 Sub block	2.97km <sup>2</sup>
Ponton Project	421 sub blocks	Total Area	1,250km <sup>2</sup>

+ See chapter 19 for defined terms.