

Summary

| Options 1A and 1B | | | | | |
|-------------------------------------|--------------------|--------------------------|---------------------|---------------------|---------------------|
| Cap Configuration | Dike Volume | Volume above dike | Total Volume | Less Cap Vol | Disposal Vol |
| | (cy) | (cy) | (cy) | (cy) | (cy) |
| Option 1A 3:1 slope w/ 15 ft bench | 951078 | 8628728 | 9579806 | 282246 | 9297560 |
| Option 1B 3:1 slope w/ bench | 951078 | 8250883 | 9201961 | 282246 | 8919715 |
| Option 1A 4:1 slope w/ 15 ft bench | 951078 | 6837027 | 7788105 | 282246 | 7505859 |
| Option 1B 3:1 slope and 15 ft bench | | | 7330981 | 282246 | 7048735 |
| Options 2A and 2B | | | | | |
| 2A | 1372977 | 11024724 | 12397701 | 312040 | 12085661 |
| 2B | 1372977 | 15349580 | 16722557 | 432410 | 14917170 |

Option 2B volumes are more approximate than other options

PARSONS - Energy & Chemicals Group**KINGSTON FOSSIL PLANT**

Proposed Scrubber Sludge Disposal Site

Volume in Cap with 3:1 Slope

PRELIMINARY Volume

Prepared: JANUARY 6, 2003

| Section No. | X-section Area (SF) | Depth | Volume(CF) | Total Vol. (CF) | Volume(CY) |
|-------------|---------------------|-------|------------|-----------------|------------|
| 760 | 0 | 0 | 0 | 0 | 0 |
| 770 | 3048262 | 10 | 15241310 | 15241310 | 564493 |
| 780 | 2827953 | 10 | 29381075 | 44622385 | 1652681 |
| 790 | 2613298 | 10 | 27206255 | 71828640 | 2660320 |
| 800 | 2301921 | 10 | 24576095 | 96404735 | 3570546 |
| 810 | 2101405 | 10 | 22016630 | 118421365 | 4385976 |
| 820 | 1906544 | 10 | 20039745 | 138461110 | 5128189 |
| 830 | 1624859 | 10 | 17657015 | 156118125 | 5782153 |
| 840 | 1444145 | 10 | 15345020 | 171463145 | 6350487 |
| 850 | 1269096 | 10 | 13566205 | 185029350 | 6852939 |
| 860 | 1020330 | 10 | 11447130 | 196476480 | 7276907 |
| 870 | 866412 | 10 | 9433710 | 205910190 | 7626303 |
| 880 | 722242 | 10 | 7943270 | 213853460 | 7920499 |
| 890 | 524956 | 10 | 6235990 | 220089450 | 8151461 |
| 900 | 406272 | 10 | 4656140 | 224745590 | 8323911 |
| 910 | 300340 | 10 | 3533060 | 228278650 | 8454765 |
| 920 | 168096 | 10 | 2342180 | 230620830 | 8541512 |
| 930 | 98138 | 10 | 1331170 | 231952000 | 8590815 |
| 940 | 43769 | 10 | 709535 | 232661535 | 8617094 |
| 950 | 9528 | 10 | 266485 | 232928020 | 8626964 |
| 960 | 0 | 10 | 47640 | 232975660 | 8628728 |
| | | -960 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8628728 |
| | | 0 | 0 | 232975660 | 8,628,728 |

PARSONS - Energy & Chemicals Group**KINGSTON FOSSIL PLANT****PRELIMINARY Volume**

Proposed Scrubber Sludge Disposal Site

Prepared: JANUARY 6, 2003

Volume within dike - 3:1 interior slope and min el of 748

| Section No. | X-section Area (SF) | Depth | Volume(CF) | Total Vol. (CF) | Volume(CY) |
|-------------|---------------------|-------|------------|-----------------|----------------|
| 746 | 0 | 0 | 0 | 0 | 0 |
| 748 | 7572 | 2 | 7572 | 7572 | 280 |
| 750 | 118031 | 2 | 125603 | 133175 | 4932 |
| 752 | 359505 | 2 | 477536 | 610711 | 22619 |
| 754 | 794904 | 2 | 1154409 | 1765120 | 65375 |
| 756 | 1347991 | 2 | 2142895 | 3908015 | 144741 |
| 758 | 1986555 | 2 | 3334546 | 7242561 | 268243 |
| 760 | 2684224 | 2 | 4670779 | 11913340 | 441235 |
| 762 | 2727079 | 2 | 5411303 | 17324643 | 641653 |
| 764 | 2770161 | 2 | 5497240 | 22821883 | 845255 |
| 766 | 2813468 | 2 | 5583629 | 28405512 | 1052056 |
| 760 | 2857001 | -6 | -17011407 | 11394105 | 422004 |
| 770 | 0 | 10 | 14285005 | 25679110 | 951078 |
| | | -770 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951078 |
| | | 0 | 0 | 25679110 | 951,078 |

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KINGSTON FOSSIL PLANT

Proposed Scrubber Sludge Disposal Site
Truncated Volume in Cap with 3:1 Slope

PRELIMINARY Volume

Prepared: JANUARY 6, 2003

| Section No. | X-section Area (SF) | Depth | Volume(CF) | Total Vol. (CF) | Volume(CY) |
|-------------|---------------------|-------|------------|-----------------|------------------|
| 746 | 0 | 0 | 0 | 0 | 0 |
| 748 | 7572 | 2 | 7,572 | 7572 | 280 |
| 750 | 118031 | 2 | 125,603 | 133175 | 4932 |
| 752 | 481200 | 2 | 599,231 | 732407 | 27126 |
| 754 | 940291 | 2 | 1,421,491 | 2153898 | 79774 |
| 756 | 1398516 | 2 | 2,338,807 | 4492705 | 166396 |
| 758 | 1821985 | 2 | 3,220,500 | 7713205 | 285674 |
| 760 | 2008118 | 2 | 3,830,102 | 11543308 | 427530 |
| 762 | 2041044 | 2 | 4,049,161 | 15592469 | 577499 |
| 764 | 2074196 | 2 | 4,115,239 | 19707708 | 729915 |
| 766 | 2107574 | 2 | 4,181,769 | 23889478 | 884795 |
| 768 | 2141178 | 2 | 4,248,752 | 28138230 | 1042157 |
| 770 | 2289411 | 2 | 4,430,590 | 32568819 | 1206253 |
| 780 | 2118750 | 10 | 22,040,807 | 54609626 | 2022579 |
| 790 | 1953744 | 10 | 20,362,471 | 74972097 | 2776744 |
| 800 | 1716839 | 10 | 18,352,915 | 93325013 | 3456482 |
| 810 | 1565971 | 10 | 16,414,051 | 109739064 | 4064410 |
| 820 | 1420759 | 10 | 14,933,654 | 124672717 | 4617508 |
| 830 | 1213546 | 10 | 13,171,529 | 137844246 | 5105342 |
| 840 | 1082587 | 10 | 11,480,669 | 149324915 | 5530552 |
| 850 | 957769 | 10 | 10,201,785 | 159526700 | 5908396 |
| 860 | 782111 | 10 | 8,699,404 | 168226103 | 6230596 |
| 870 | 672724 | 10 | 7,274,179 | 175500282 | 6500010 |
| 880 | 569691 | 10 | 6,212,077 | 181712359 | 6730087 |
| 890 | 427659 | 10 | 4,986,751 | 186699110 | 6914782 |
| 900 | 341483 | 10 | 3,845,712 | 190544823 | 7057216 |
| 910 | 262258 | 10 | 3,018,705 | 193563528 | 7169020 |
| 920 | 156854 | 10 | 2,095,558 | 195659086 | 7246633 |
| 930 | 95993 | 10 | 1,264,235 | 196923320 | 7293456 |
| 940 | 43790 | 10 | 698,916 | 197622236 | 7319342 |
| 950 | 9531 | 10 | 266,604 | 197888840 | 7329216 |
| 960 | 0 | 10 | 47,654 | 197936493 | 7330981 |
| | | -960 | 0 | 197936493 | 7,330,981 |

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KINGSTON FOSSIL PLANT

Proposed Scrubber Sludge Disposal Site
Volume in Cap with 3:1 Slope

PRELIMINARY Volume

Prepared: March 31, 2003

| Section No. | X-section Area (SF) | Depth | Volume(CF) | Total Vol. (CF) | Volume(CY) |
|-------------|---------------------|-------|------------|-----------------|-------------------|
| 760 | 0 | 0 | 0 | 0 | 0 |
| 770 | 3370035 | 10 | 16850175 | 16850175 | 624081 |
| 780 | 3141881 | 10 | 32559580 | 49409755 | 1829991 |
| 790 | 2920783 | 10 | 30313320 | 79723075 | 2952706 |
| 800 | 2706897 | 10 | 28138400 | 107861475 | 3994869 |
| 810 | 2399502 | 10 | 25531995 | 133393470 | 4940499 |
| 820 | 2203538 | 10 | 23015200 | 156408670 | 5792914 |
| 830 | 2014860 | 10 | 21091990 | 177500660 | 6574099 |
| 840 | 1745437 | 10 | 18801485 | 196302145 | 7270450 |
| 850 | 1574836 | 10 | 16601365 | 212903510 | 7885315 |
| 860 | 1411912 | 10 | 14933740 | 227837250 | 8438417 |
| 870 | 1183684 | 10 | 12977980 | 240815230 | 8919083 |
| 880 | 1042256 | 10 | 11129700 | 251944930 | 9331294 |
| 890 | 909956 | 10 | 9761060 | 261705990 | 9692814 |
| 900 | 730367 | 10 | 8201615 | 269907605 | 9996578 |
| 910 | 622643 | 10 | 6765050 | 276672655 | 10247135 |
| 920 | 523813 | 10 | 5732280 | 282404935 | 10459442 |
| 930 | 391252 | 10 | 4575325 | 286980260 | 10628899 |
| 940 | 312881 | 10 | 3520665 | 290500925 | 10759294 |
| 950 | 242234 | 10 | 2775575 | 293276500 | 10862093 |
| 960 | 150340 | 10 | 1962870 | 295239370 | 10934791 |
| 970 | 98246 | 10 | 1242930 | 296482300 | 10980826 |
| 980 | 56053 | 10 | 771495 | 297253795 | 11009400 |
| 990 | 13349 | 10 | 347010 | 297600805 | 11022252 |
| 1000 | 0 | 10 | 66745 | 297667550 | 11024724 |
| | | -1000 | 0 | 297667550 | 11024724 |
| | | 0 | 0 | 297667550 | 11024724 |
| | | 0 | 0 | 297667550 | 11024724 |
| | | 0 | 0 | 297667550 | 11024724 |
| | | 0 | 0 | 297667550 | 11024724 |
| | | 0 | 0 | 297667550 | 11,024,724 |

Vol Between 755 and 770 =

15-4 X 3,370,035/27 =

Grand total

1,372,977

12,397,701

Option 2B Approximation

| Section | Area Sq ft | Avg Area Sq ft | Dist ft | Volume cf | Volume cy |
|---------|---------------|-------------------|------------|--------------------|-------------------|
| | 0 | | | | |
| A | 60140 | 30070 | 400 | 12028000 | 445481 |
| B | 82212 | 71176 | 600 | 42705600 | 1581689 |
| C | 33666 | 57939 | 940 | 54462660 | 2017136 |
| | 0 | 16833 | 450 | 7574850 | 280550 |
| | | | | Total | 4,324,856 |
| | | | | Vol from 2A | 12,397,701 |
| | | | | Grand Total | 16,722,557 |