

**CHAPTER 34:03 - WATERWORKS: SUBSIDIARY LEGISLATION**  
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**ORAPA AND LETLHAKANE MINE WATERWORKS AREAS DECLARATION ORDER**

*(under section 3)*

*(7th October, 1988)*

ARRANGEMENT OF PARAGRAPHS

PARAGRAPH

1. Citation
2. Interpretation
3. Declaration of Orapa and Letlhakane Mine Waterworks Areas

Schedule I - Orapa Waterworks Area

Schedule II - Letlhakane Mine Waterworks Area

S.I. 109, 1988.

**1. Citation**

This Order may be cited as the Orapa and Letlhakane Mine Waterworks Areas Declaration Order.

**2. Interpretation**

In this Order-

**"Letlhakane mine"** means the Letlhakane Mine as is defined hereinafter in Schedule II;

**"Orapa"** means the Orapa area as is defined hereinafter in Schedule I.

**3. Declaration of Orapa and Letlhakane Mine Waterworks Areas**

Orapa and Letlhakane Mine are hereby declared to be Waterworks Areas to be known as Orapa Waterworks Area and Letlhakane Mine Waterworks Area for the purposes of the Act.

**SCHEDULE I**

**ORAPA WATERWORKS AREA**

Commencing at a point A the co-ordinates of which are Y-31344.511 and X+234 7880.877 the boundary runs in a straight line in an easterly direction to a point D the co-ordinates of which are Y-44219.240 and X+2347880.877; thence in a straight line in a southerly direction to a point G the co-ordinates of which are Y-44219.240 and X+2360755.607; thence in a straight line in a westerly direction to a point K the co-ordinates of which are Y-31344.511 X+2360755.607; thence in a northerly direction to the point of commencement, as will more fully appear from Plan DSL 10/70 filed in the Department of Surveys and Lands, the co-ordinates of points A, D, G and K being expressed in metres on the Trigonometrical system  $Lo 25^{\circ}$ .

**SCHEDULE II**

**LETLHAKANE MINE WATERWORKS AREA**

Commencing at a point A the co-ordinates of which are Y-70300.15 and X+2379420.04 the boundary runs in a straight line in an easterly direction to a point B the co-ordinates of which are Y-72899.86 and X+2379419.93; thence in a straight line in a southerly direction to a point C the co-ordinates of which are Y-72900.47 and X+2382219.89; thence in a straight line in a westerly direction to a point D the co-ordinates of which are Y-70 300.20 and X+2382220.13; thence in a northerly direction to the point of commencement, as will more fully appear from Plan No. 5, filed in the Department of Surveys and Lands,

the co-ordinates of points A,B, C and D being expressed in metres on the Trigonometrical system Lo 25°.

**DECLARATION OF WATERWORKS AREA ORDER**

*(under section 4)*

*(31st December, 1970)*

ARRANGEMENT OF PARAGRAPHS

PARAGRAPH

1. Citation
2. Declaration of waterworks areas

First Schedule

Second Schedule

Third Schedule - Description of Boundaries

S.I. 28, 1970,  
S.I. 115, 1970,  
S.I. 116, 1970,  
S.I. 51, 1972,  
S.I. 61, 1973,  
S.I. 93, 1973,  
S.I. 101, 1974,  
S.I. 155, 1974,  
S.I. 156, 1974,  
S.I. 2, 1975,  
S.I. 3, 1975,  
S.I. 31, 1975,  
S.I. 32, 1975,  
S.I. 98, 1975,  
S.I. 99, 1975,  
S.I. 100, 1975,  
S.I. 120, 1975,  
S.I. 21, 1976,  
S.I. 53, 1976,  
S.I. 69, 1976,  
S.I. 74, 1976,  
S.I. 64, 1978,  
S.I. 81, 1978,  
S.I. 142, 1978,  
S.I. 113, 1979,  
S.I. 124, 1979,  
S.I. 14, 1980,  
S.I. 1, 1984,  
S.I. 25, 1990,  
S.I. 112, 1992,  
S.I. 79, 1993,  
S.I. 44, 1994,  
S.I. 57, 1994,  
S.I. 83, 1995,  
S.I. 4, 1997,  
S.I. 64, 1997,

## 1. Citation

This Order may be cited as the Declaration of Waterworks Area Order.

## 2. Declaration of waterworks areas

(1) Each city or township referred to in the First Schedule to this Order, being an area in which an undertaking exists, is declared to be a waterworks area, the boundaries of which are defined in the Townships Act.

(2) Each village or area referred to in the Second Schedule to this Order, being an area in which an undertaking exists is declared to be a waterworks area, the boundaries of which are set out in the Third Schedule.

### FIRST SCHEDULE

Francistown  
Gaborone  
Jwaneng  
Lobatse  
Selebi-Phikwe

### SECOND SCHEDULE

Ghanzi  
Kasane  
Letlhakane  
Mahalapye  
Maun  
Mochudi  
Mogoditshane  
Molepolole  
Moshupa  
Palapye  
Ramotswa  
Serowe  
Thamaga  
Tlokweng  
Tonota-Shashe  
Tsabong

### THIRD SCHEDULE DESCRIPTION OF BOUNDARIES

**1. GHANZI** Commencing at a point 'A' on the west side of the Gantsi to Lobatse Road (approximate co-ordinates Y=-20650, X=80000) the boundary runs west for a distance of 3000 ft. to a point 'B' (approximate co-ordinates Y=-17670, X=80000); thence in a northwesterly direction for 2650 ft. to a point 'C' (approximate co-ordinates Y=-15750, X=78150); thence in a generally north-northwesterly direction for 2050 ft. to a point 'D' (approximate co-ordinates Y=-15000, X=76450); thence northwards for a distance of 2050 ft. to a point 'E' (approximate co-ordinates Y=-15100, X=74200); thence in an northeasterly direction for 2950 ft. to a point 'F' (approximate co-ordinates Y=-17200, X=72250); thence in an east-northeasterly direction for 1350 ft. to a point 'G' (approximate co-ordinates Y=-18600, X=72000); thence in a northeasterly direction for 1850 ft. to a point 'H' (approximate co-ordinates Y=-20250, X=71100); thence continuing in a generally northeasterly direction for 3200 ft. to a point 'J' (approximate co-ordinates Y=-22550, X=68850); thence in an easterly direction for 2000 ft. to a point 'K' (approximate co-ordinates Y=-24550, X=68850); thence in a southeasterly direction for 1650 ft. to a point 'L' (approximate co-ordinates Y=-25700, X=70050); thence in a southwesterly direction for 700 ft. to a point 'M' (approximate co-ordinates Y=-25250, X=70600); thence in a west-southwesterly direction for 1950 ft. to a point 'N' (approximate co-ordinates Y=-23650, X=71700); thence in a southwesterly direction for 3300ft. to a point 'P' (approximate co-ordinates Y=-21350, X=74030); thence generally southwards for 850ft. to a

point 'Q' (approximate co-ordinates Y=-21200, X=-74850); thence in a south-south-easterly direction for 600ft. to a point 'R' (approximate co-ordinates Y=-21400, X=75450); thence in an east-southeasterly direction for 400ft. to a point 'S' (approximate co-ordinates Y=-21750, X=75650); thence in a generally easterly direction for 795 ft. to a point 'T' (approximate co-ordinates Y=-23000, X=75650); thence in a southerly direction for 4300 ft. to a point 'U' (approximate co-ordinates Y=-23000, X=80000); thence west for 1800 ft. to the point of commencement, as will more fully appear on Plan TRP 5.10.15. Map No. 5 which is lodged with the Director of Water Affairs in Gaborone.

**2. KASANE/KAZUNGULA** Commencing at point "A" (approximate co-ordinates Y=-26 500, X=1968100) being a point on the right bank of the Chobe river; thence southwards to point "B" (approximate co-ordinates Y=-26 500, X= 1970500); thence westwards to point "C" (approximate co-ordinates Y=-24 000, X=1970500); thence northwards to point "D" (approximate co-ordinates Y=-24000, X=1969000); thence westwards to point "E" (approximate co-ordinates Y=-18000, X=1969000); thence southwards to point "F" (approximates co-ordinates Y=-18 000; X=1970500); thence westwards to point "G" (approximate co-ordinates Y=-14850, X=1970500) being a point on the right bank of a minor channel of the Chobe river; thence upstream along the right bank of the said minor channel until it reaches the main channel of the Chobe river to point "A" of commencement as will more fully appear on Plan RO - 39a lodged with the Department of Surveys and Lands.

Co-ordinates are in metres on trigonometric system based on longitude 25 degrees.

**3. LETLHAKANE** Commencing at a point "A" on the north side of the old Orapa road with coordinates of Y=-59 500 m X=+2 371 900 m; the boundary runs in a general northwesterly direction along the said north side of the old Orapa road for a distance of 700 m to point "B" having approximate coordinates of Y=-58 940 m X=-2 372350 m; it further runs in a general northeasterly direction for a distance of 1800 m to a point "C" having approximate coordinates Y=-59 500 m X=+2 374 000 m; then in an easterly direction for a distance of 1 200 m to a point "D" having approximate coordinates Y=-60 700 m X=+2 374 000 m; then in a southeasterly direction for a distance of 2 950 m to a point "E" having approximate coordinates of Y=-62 650 m X=+2 371 800 m; then also in a southeasterly direction for a distance of 2 650 to a point "F" having approximate coordinates of Y=-63 280 m X=+2 369 200 m; then in a southwesterly direction for 650 m to a point "G" with approximate coordinates Y=-62 940 m X=+2 368 650 m; then in a westerly direction for a distance of 750 m to a point "H" with approximate coordinates Y=-62 200 m X=+2 368 540 m; then in a northwesterly direction for a distance of 3360 m to a point "J" with approximate coordinates Y=-59 500 m X=+2 370 500 m; then due north for a distance of 1 400 m to the point of commencement at point "A".

This will appear more fully on Plan 10a. All co-ordinates are in metres on system Lo 25° .

**4. MAHALAPYE** Commencing at point A (approximate coordinates Y + 19600m, X + 2551 100m) being a point due west of the bridge across the Mahalapye River at Tapalamanong along the old Francistown to Gaborone road; thence south eastwards to point "B" (approximate coordinates Y + 13200, + X + 2553400); thence southwards to point "C" (approximate coordinates Y + 13100, X + 2561300); thence westwards to point "D" (approximate coordinates Y + 18900, X + 2561100); thence northwards to point "E" (approximate coordinates Y + 21300, X + 2558100); thence due north to point "F" (approximate coordinates Y + 21300, X + 2553200), thence north eastwards to point "A" of commencement as will more fully appear on plan LP - 19a lodged with the Department of Surveys and Lands.

Coordinates are in metres on trigonometric system based on longitude 27°.

**5. MAUN** Commencing at a point "A" (y-39 900 x +2 208 720), the boundary runs in an east south-easterly direction to a point "B" (y-42 360 x +2 209 130), being the northernmost beacon of Boyei Primary School; thence in a north-easterly direction to a beacon "C" (y-43 600 x +2 208 580); thence in a south south-easterly direction to a beacon "D" (y-43 910 x +2 209 640), being a beacon on the western boundary of Maun Airport; thence in an east north-easterly direction to a beacon "E" (y-46 960 x +2 208 460) being the easternmost beacon of the Maun Airport; thence in a north north-easterly direction to a beacon "F" (y-47 460 x +2 207 330); thence in a north-easterly direction to a beacon "G" (y-49 770 x +2 206 080); thence due east to a beacon "H" (y-50 840 x +206 040), being a point on the west bank of the Thamalakane River; thence in a generally south westerly direction along the west bank of the said Thamalakane River to a point "H" (y-49 410 x +2 208 100); thence in a south south-easterly direction to a point "I" (y-48 280 x +2 212 360); thence continuing in a south south-westerly direction to a point "J" (y-47 080 x +2 215 320); thence in an east south-easterly direction to a beacon "K" (y-48 280 x +2 215 970); thence in a south Westerly direction to a point "L" (y-47 580 x +2 217 090); thence in a north westerly

direction to a beacon "M" (y-46 500 x +2 216 380); thence in a west north westerly direction to a beacon "N" (y-42 940 x +2 215 620), being a point on the south bank of the Thamalakane River; thence continuing in a west north-westerly direction to a point "O" (y-40 600 x +2 215 500), being a point on the south side of the Maun/Sehitwa road; thence in a north-easterly direction to a point "P" (y-41 480 x +2 214 260); thence in a north north-westerly direction to a point "Q" (y-39 570 x +2 210 500); thence in a northerly direction to the point of commencement as will more fully appear on Plan PM 11a deposited with the Director of Surveys and Mapping.

**6. MOCHUDI** Commencing at point "A" on the east side of the Francistown/Gaborone road (y 93 760 x 697 910), the boundary runs in a southerly direction along the eastern side of the Francistown/Gaborone road to a point "B" (y 93 830 x 698 690); thence in an east north easterly direction to a point "C" (y 92 410 x 698 000); thence in a south easterly direction to a point "D" just north of Phirima (y 90 500 x 698 960); thence in an east north easterly direction to a point "E" (y 89 240 x 698 340); thence in a north north easterly direction to a point "F" just east of Makakatlela (y 88 060 x 693 800); thence in an east north easterly direction to a point "G" (y 85 340 x 693 240); thence in an east south easterly direction to a point "H" (y 83 320 x 694 340); thence in a south south easterly direction to a point "I" (y 82 790 x 696 350); thence due south to a point "J" (y 82 790 x 698 850); thence due east to a point "K" (y 83 070 x 698 850); thence due south to a point "L" (y 83 070 x 701 100); thence in a south south westerly direction to a point "M" (y 83 630 x 701 900); thence in a west south westerly direction to a point "N" (y 85 800 x 703 000); thence due east to a point "O" (y 88 500 x 703 000); thence due north to a point "P" (y 88 500 x 702 220); thence due east to a point "Q" (y 91 930 x 702 220); thence due south to a point "R" (y 91 930 x 703 360) on the north bank of the Ngotwane river; thence in a westerly, southerly and westerly direction along the north bank of the said Ngotwane River to its junction with the Metsemotlhaba River: thence in a westerly direction along the north bank of the said Metsemotlhaba River to a point "S" (y 98 220 x 704 430); thence in a straight line in a north north easterly direction to a point "S" (y 97 550 x 703 070) just west of Borwa CJSS; thence in an east north easterly direction to a point "T" (y 95 200 x 702 340); thence in a south easterly direction to a point "U" (y 94 890 x 702 880); thence due east to a point "V" (y 93 810 x 702 880); thence in a north easterly direction to a point "W" (y 93 240 x 702 240); thence due north to a point "X" (y 93 250 x 701 290); thence in a north westerly direction to a point "Y" (y 95 000 x 700 340); thence in a northerly direction to a point "Z" (y 94 760 x 697 910); thence due east to the point of commencement, as will more fully appear on Drawing No. MOC/99/01 deposited with the Director of Water Affairs in Gaborone.

The coordinates given in this description are on the Lo 27 degrees system in metres.

#### **7. MOGODITSHANE**

Commencing at a point "A" (co-ordinates Y - 87300 X + 2723200) the boundary runs in an east-northeasterly direction to a point "B" (co-ordinates Y - 88300 X + 2722800) thence in an east-southeasterly direction to a point "C" (co-ordinates Y - 90200, X + 2723189,67) being a point on the boundary between Bakwena Tribal Block and Gaborone Block, thence in a southwesterly direction along that boundary to a point "D" (co-ordinates Y - 87300 X + 2726898,78) being another point on the boundary between Bakwena Tribal Block and Gaborone Block, thence in a northwesterly direction to a point "E" (co-ordinates Y - 86200 X + 2725800), thence northwards to a point "F" (co-ordinates Y - 86200 X + 2723800), thence in a northeasterly direction to a point "G" (co-ordinates Y - 87000 X + 2722800), thence in a southeasterly direction to the point of commencement. Co-ordinates are expressed in metres on the grid system Lo 25°.

**8. MOLEPOLOLE** Commencing at a point "A" (y- 45 340 x + 2 696 420), the boundary runs in an east north easterly direction to a point "B" (y- 52 640 x + 2 695 230); thence in a north easterly direction to a point "C" (y- 53 820 x + 2 694 750); thence in an easterly direction to a point "D" (y- 54 500 x + 2 694 730); thence due south to a point "E" (y- 54 500 x + 2 695 250); thence in a south easterly direction to a point "F" (y- 55 620 x + 2 696 780); thence in a north easterly direction to point "G" (y- 57 830 x + 2 695 660); thence in a south south easterly direction to a point "H" (y- 58 000 x + 2 696 740), being a point approximately 200 metres south of the road to Lentswe le Tau; thence in a south westerly direction following the south side of the road to Lentswe- le-Tau, to a point "I" (y-57 460 x + 2 697 170); thence in a south westerly direction to a point "J" (y-58 030 x +2 697 730), being a point on the south side of the Magokotswane Hills); thence in an east north easterly direction to a point "K" (y-59 3900 x + 2 697 380) also being a point on the south side of the said Magokotswane Hills; thence in a south south easterly direction to a point "L" (y-60 100 x + 2 698 830); thence in a south south westerly direction to a point "M" (y-59 720 x + 2 699 700); thence due south to a point "N" (y-59 740 x + 2 700 280); thence in a south

westerly direction to a point "O" (y-59 620 x + 2 700 400); thence in a west north westerly direction to a point "P" (y-59 300 x + 2 700 300); thence in a south westerly direction to a point "Q" (y-58 950 x + 2 700 680), being a point immediately to the west of stagnant Hill; thence in a north westerly direction to a point "R" (y-58 600 x + 2 700 120); thence in a south westerly direction to a point "S" (y-57 280 x + 2 700 820); thence continuing in a south westerly direction to a point "T" (y-55 120 x + 2 701 660), being a point approximately 300 metres east of the Thamaga Road; thence in a west northwesterly direction to a point "U" (y-54 680 x + 2 701 600); thence in a west north westerly direction to a point "V" (y-53 130 x + 2 701 260); thence in a south westerly direction to a point "W" (y-52 300 x + 2 701 960); thence in a west north westerly direction to a point "X" (y-49 000 x + 2 701 140); thence in a north westerly direction to a point "Y" (y-48 100 x + 2 701 040); thence due west to point "Z" (y-45 400 x + 2 701 140); thence due north to the point of commencement as will more fully appear on plan KO - 9a deposited with the Director of Surveys and Mapping.

Co-ordinates quoted are in the Lo 25 degree system and are based on Water Affairs plan No. Mol/99/01.

### **9. MOSHUPA**

Commencing at point "A" (co-ordinate values Y - 134700, X + 8998000) being a point on the spillway of Moshupa Dam the boundary runs generally northwards up the Moshupa River to point "B" (co-ordinate values Y - 134870, X + 8996840) being a point on the dam wall; thence following the dam wall to point "C" (co-ordinate values Y - 135470, X + 8996530); thence north-westwards to point "D" (co-ordinate values Y - 134900, X + 8995900); thence west-north-westwards to point "E" (co-ordinate values Y - 133000, X + 8995000); thence westwards to point "F" (co-ordinate values Y - 132000, X + 8995000); thence northwards to point "G" (co-ordinate values Y - 132000, X + 8994000); thence north-north-westwards to point "H" (co-ordinate values Y - 134000, X + 8990000); thence eastwards to point "J" (co-ordinate values Y - 136000, X + 8990000); thence north-eastwards to point "K" (co-ordinate values Y - 137000, X + 8989000); thence eastwards to point "L" (co-ordinate values Y - 143000, X + 8989000); thence south-eastwards to point "M" (co-ordinate values Y - 144000, X + 8990000); thence southwards to point "N" (co-ordinate values Y - 144000, X + 8997700) being a point on the Hatsalatladi River; thence up the said river to point "P" (co-ordinate values Y - 138650, X + 9000000); thence westwards to point "Q" (co-ordinate values Y - 136000, X + 9000000); thence north-westwards to the point of commencement, as will more fully appear on Plan KO-220 filed in the Department of Surveys and Lands, Gaborone. (Co-ordinate values are given in English Feet on the Lo 25° system).

**10. PALAPYE** Commencing at a point "A" (approximate co-ordinates Y=-7460, X=2493090) being a point on the northern boundary of the Palapye-Serowe main road; the boundary runs in a northerly direction to a point "B" (approximate co-ordinates Y=-7540, X=2492550); thence in an easterly direction to a point "C" (approximate co-ordinates Y=-9110, X=2492810); thence due north to a point "D" (approximate co-ordinates Y=-9130, X=2492700); thence due east to point "E" (approximate co-ordinates Y=-9250, X=2492720) being a point on the western boundary of the Francistown-Gaborone main road; thence northward along the western boundary of the said main road to a point "F" (approximate co-ordinates Y=-11160, X=2489940); thence south-eastward to a point "G" (approximate co-ordinates Y=-11520, X=2490560); thence eastward to point "H" (approximate co-ordinates Y=-14690, X=2491150); thence south-eastward to a point "I" (approximate co-ordinates Y=-16450, X=2491840) being a point on the western boundary of the Francistown-Gaborone railway line; thence south-ward along the western boundary of the said railway line to a point "J" (approximate co-ordinates Y=-15910, X=2493250); thence eastward to a point "K" (approximate co-ordinates Y=-16400, X=2493430); thence southwest to a point "L" (approximate co-ordinates Y=-15920, X=2494650) being a point on Lotsane River; thence upstream along the median line of the Lotsane River to a point "M" (approximate co-ordinates Y=-13000, X=2495840); thence due south to a point "N" (approximate co-ordinates Y=-13000, X=2497000) being a point on the Malekokopu Hill west of beacon BPT 149; thence due west to a point "O" (approximate co-ordinates Y=-8560, X=2497000) being a point on the western boundary of the Francistown-Gaborone main road; thence northward along the western boundary of the said road to a point "P" (approximate co-ordinates Y=-8590 X=2494260) being a point on Lotsane River; thence upstream along the median line of Lotsane River to a point "Q" (approximate co-ordinates Y=-7900, X=249 4120); thence due north to a point "R" (approximate co-ordinates Y=-7460, X=2493780); thence due north to point "A" of commencement as will more fully appear on Plan MQ-21a lodged with the Department of Surveys and Lands.

Co-ordinates are in metres on Trigonometric system based on Lo 27°.

## 11. RAMOTSWA

Commencing at a point "A" the co-ordinates of which are  $Y = - 86830$ ,  $X = + 2750400$  the boundary runs due east to a point "B" on the median line of the Notwane River being the international boundary between Botswana and the Republic of South Africa, thence along the said international boundary to a point "C" of which the X co-ordinate is  $+ 2754000$ ; thence due westwards to a point "D" the co-ordinates of which are  $Y = - 87500$ ,  $X = + 275400$ ; thence north-westwards to a point "E" the co-ordinates of which are  $Y = - 87000$ ,  $X = + 27535000$ ; thence northwards to a point "F" the co-ordinates of which are  $Y = - 87000$ ,  $X = + 2752000$ ; thence north-westwards to point "G" the co-ordinates of which are  $Y = - 86500$ ,  $X = + 2751500$ ; thence in a northerly direction to a point "H" the co-ordinates of which are  $Y = - 86550$ ,  $X = + 2751000$ ; thence in a north-easterly direction to "A" the point of commencement as will more fully appear from Plan No. KO-232 deposited in the Department of Surveys and Lands, Gaborone. (Co-ordinates are quoted in metres on Trigonometrical System  $Lo 25^\circ$ ).

**12. SEROWE** Commencing at a point "A" (approximate co-ordinates  $Y + 34\ 000$ ,  $X + 2\ 473\ 220$ ) the boundary runs due east to a point "B" (approximate co-ordinates  $Y + 22\ 500$ ,  $X + 2\ 473\ 220$ ); thence due south to a point "C" (approximate co-ordinates  $Y + 22\ 500$ ,  $X + 2\ 477\ 890$ ) being a point on the northern boundary line of SEROWE BRIGADE Farm; thence due west along the said boundary line to a point "D" (approximate co-ordinates  $Y + 24\ 430$ ,  $X + 2\ 477\ 890$ ); thence due south to point "E" (approximate co-ordinates  $Y + 24\ 430$ ,  $X + 2\ 479\ 430$ ) being a point on the hill; thence in an easterly direction to a point "F" (approximate co-ordinates  $Y + 23\ 650$ ,  $X + 2\ 479\ 550$ ) being a point on the hill; thence in a south-easterly direction to a point "G" (approximate co-ordinates  $Y + 23\ 030$ ,  $X + 2\ 481\ 560$ ) being a point on the southern boundary of the main Serowe-Palapye road; thence in a south-westerly direction to a point "H" (approximate co-ordinates  $Y + 23\ 400$ ,  $X + 2\ 483\ 000$ ); thence due west to a point "J" (approximate co-ordinates  $Y + 31\ 600$ ,  $X + 2\ 483\ 000$ ); thence in a north-westerly direction to a point "K" (approximate co-ordinates  $Y + 34\ 300$ ,  $X + 2\ 477\ 300$ ); thence due north to a point "A" of commencement, as will more fully appear on plan MP - 25d lodged in the Department of Surveys and Mapping.

Co-ordinates are in metres on trigonometrical system longitude 27 degrees East.

**13. THAMAGA** Commencing at a point "A" (approximate co-ordinates  $Y - 51940m$ ,  $X + 2\ 726\ 300m$ ) the boundary runs due east to point "B" (approximate coordinates  $Y - 58\ 660m$ ,  $X + 2\ 726\ 200m$ ); thence southwards to a point "C" (approximate co-ordinates  $Y - 58\ 380m$ ,  $X + 2\ 731\ 460m$ ) being a point on the Gaborone - Kanye tarred road; thence westwards to a point "D" (approximate co-ordinates  $Y - 54\ 080m$ ,  $X + 2\ 732\ 260m$ ) being a point on the western bank of Metsemotlhabe river; thence due west to a point "E" (approximate coordinates  $Y - 52\ 730m$ ,  $X + 2\ 732\ 660m$ ) being a point on the Gaborone - Kanye tarred road; thence northwards to a point (approximate co-ordinates  $Y - 51\ 330m$ ,  $2\ 729\ 390m$ ); thence northeastwards to point "A" of commencement as will more fully appear on plan KO-12 lodged in the Department of Surveys and Mapping.

Coordinates are in metres on trigonometrical system longitude 25 degrees East.

**14. TLOKWENG** Commencing at a point "A" (approximate co-ordinates  $Y -97\ 300$ ,  $X +2\ 726\ 600$ ) being a point on the Notwane river; thence eastwards to point "B" (approximate co-ordinates  $Y -100\ 500$ ,  $X +2\ 726\ 200$ ) being a point on Maratadiba stream; thence downstream along the said Maratadiba stream to point "C" (approximate co-ordinates  $Y -101\ 400$ ,  $X +2\ 727\ 100$ ); thence due South to point "D" (approximate co-ordinates  $Y -101\ 400$ ,  $X +2\ 729\ 700$ ) being a point on the southern boundary fence of the Tlokweng to Zeerust main road; thence eastwards along the said boundary fence to point "E" (approximate co-ordinates  $Y -103\ 100$ ,  $X +2\ 729\ 800$ ) thence due south to point "F" (approximate co-ordinates  $Y -103\ 100$ ,  $X +2\ 729\ 900$ ) being a point on a gate on a drift fence; thence westwards along the said drift fence to point "G" (approximate co-ordinates  $Y -100\ 800$ ,  $X +2\ 729\ 750$ ); thence southwards to point "H" (approximate co-ordinates  $Y -99\ 300$ ,  $X +2\ 731\ 600$ ) being a point where the drift fence crosses the electricity power line from South Africa; thence westwards along the said power line to point "J" (approximate co-ordinates  $Y -94\ 600$ ,  $X +2\ 731\ 600$ ) being a point where the power line crosses the Notwane river; thence generally north-eastwards upstream along the Notwane river to point "A" of commencement as will more fully appear on plan KO-2d lodged with the Department of Surveys and Lands.

Co-ordinates are in metres on Trigonometric system based on longitude  $25^\circ$ .

**15. TONOTA** Commencing at a point "A" (approximate co-ordinates  $Y=-42\ 00$ ,  $X=2\ 364\ 550$ ) being one of the beacons marking the Shashe Dam area; the boundary runs easterly along the said dam boundary; thence northeasterly along the said dam boundary to a point "B" (approximate co-ordinates  $Y=-43\ 350$ ,

X=2 364 950) being a boundary beacon of the said dam boundary; thence northeasterly along the said boundary to a point "C" (approximate co-ordinates Y=-45 250, X=2364 0000) being a point in the centre of Shashe River; thence downstream along the median line of Shashe River to a point "D" (approximate co-ordinates Y=-51150, X=2 373 850); thence westwards upstream along the median line of a small stream to a point "E" (approximate co-ordinates Y=-47 550, X=2 375 300) being a point where a cutline crosses the said stream; thence northwesterly along the said cutline to a point "F" (approximate co-ordinates Y=-46 950, X=2 373 350) being a point on Tholotsane River; thence upstream along the median line of Tholotsane River to a point "G" (approximate co-ordinates Y=-44650, X=2 372 500) being a point on the western boundary of the Gaborone-Francistown railway line; thence northeasterly along the said western boundary line to a point "H" (approximate co-ordinates Y=-45 650, X=2 369 750); thence northwesterly to a point "J" (approximate co-ordinates Y=-41 050, X=2 368 200); thence northwards to a point "K" (approximate co-ordinates Y=-40 800, X=2 366 700); thence northeasterly to point "A" of commencement as will more fully appear on plan NQ-119A lodged with the Department of Surveys and Lands.

Co-ordinates are in metres on trigonometric system based on Lo 27°.

**16. TSABONG** Commencing at a point "A", being a point 125 m due west of the southwest corner of the Primary School plot, the boundary runs on a bearing of 45 degrees for a distance of 490 m to a point "B"; thence on a bearing of 314 degrees for a distance of 60 m to a point "C"; thence on a bearing of 286 degrees for a distance of 2 120 m to a point "D"; thence on a bearing of 260 degrees for a distance of 150 m to a point "E"; thence on a bearing of 290 degrees for a distance of 480 m to a point "F"; thence on a bearing of 16 degrees for a distance of 720 m to a point "G"; thence on a bearing of 96 degrees for a distance of 300 m to a point "H"; thence on a bearing of 83 degrees for a distance of 3 050 m to a point "I"; thence on a bearing of 76 degrees for a distance of 240 m to a point "J"; thence on a bearing of 98 degrees for a distance of 1 080 m to a point "K"; thence on a bearing of 148 degrees for a distance of 400 m to a point "L"; thence on a bearing of 194 degrees for a distance of 1 400 m to a point "M"; thence on a bearing of 205 degrees for a distance of 2 950 m to a point "N"; thence on a bearing of 258 degrees for a distance of 1 500 m to a point "O"; thence on a bearing of 316 degrees for a distance of 1 530 m to a point "P"; thence on a bearing of 45 degrees for a distance of 2 100 m to the point of commencement, as will more fully appear on Plan IL 1a lodged with the Director of Surveys and Lands in Gaborone.

**17. TAUNG/BOATLE** Commencing at point "A" (approximate coordinates Y-81 195, X+2 746 690) being a point where the Boatle-Thamaga main road crosses Boatle stream; thence eastwards to point "B" (approximate coordinates Y-81 565, X+2 746 790) being a point on the western boundary of the main Lobatse-Gaborone tarred road to point "C" (approximate coordinates Y-81 750, X+2 747 030) being a point on the northern boundary of the main Boatle-Taung road to point "D" (approximate coordinates Y-83 240, X+2 748 360); thence to point "E" (approximate coordinates Y-84 220, X+2 747 875) being a point on the national powerline grid, thence northwards along the said powerline to point "F" (approximate coordinates Y-84 265, X+2 747 600); thence eastwards to point "G" (approximate coordinates Y-84 705, X+2 747 705) being a point north of the Taung Industrial Area; thence southwards along the eastern boundary of the said Industrial area to point "H" (approximate coordinates Y-84 465, X+2 749 660); thence north-westerly to point "J" (approximate coordinates Y-83 965, X+2 749 345) being a point along the Taung-Ramotswa main road; thence southwards along the said main road to point "K" (approximate coordinates Y-82 910, X+2 749 410) being a point on the bridge where the Taung - Ramotswa road crosses the Taung river; thence upstream along the median line of Taung river to point "L" (approximate coordinates Y-82 150, X+2 749 640); thence due west to point "M" (approximate coordinates Y-81 500, X+2 749 640); thence due north to point "N" (approximate coordinates Y-81 500 X+2 748 585) being a point on the western boundary of the main Lobatse-Gaborone tarred road; thence northwards along the said western boundary of Lobatse-Gaborone road to point "P" (approximate coordinates Y-81 390, X+2 747 400); thence westwards to point "Q" (approximate coordinates Y-81 270, X+2 747 400); thence northwards to point "A" of commencement as will more fully appear on plan KO-243 lodged with the Department of Surveys and Lands.

Coordinates are in metres on trigonometric system based on Lo 27 degrees.

## **DECLARATION OF SOWA TOWNSHIP WATERWORKS AREA ORDER**

*(under section 4)  
(13th July, 1990)*

S.I. 63, 1990.

**1. Citation**

This Order may be cited as the Declaration of Sowa Township Waterworks Area Order.

**2. Declaration of waterworks area**

(1) Sowa Township, being an area in which an undertaking exists, or in which a public water supply should be established, is hereby declared to be a waterworks area, hereafter referred to as the Sowa Township Waterworks Area, for the purposes of the Act.

(2) The boundaries of the area referred to in subparagraph (1) shall be the boundaries of Sowa Township as defined in the Declaration of Sowa Township Order, 1990 (Statutory Instrument 32 of 1990).

**PROHIBITION OF USE OF WATER IN LOBATSE WATERWORKS AREA ORDER**

*(under section 17)*

*(4th December, 1990)*

**ARRANGEMENT OF REGULATIONS**

**REGULATION**

1. Citation
2. Prohibition of use of water for specific purposes
3. Offence

S.I. 122, 1990.

**1. Citation**

This Order may be cited as the Prohibition of Use of Water in Lobatse Waterworks Area Order.

**2. Prohibition of use of water for specific purposes**

The use of potable water for filling or topping up swimming pools, and of washing motor vehicles by hosepipe and watering gardens by hosepipe by consumers supplied by the Lobatse Water Undertaking within the Lobatse Waterworks Area is hereby prohibited from the 19th November, 1990, until further notice.

**3. Offence**

Any person who contravenes paragraph 2 of this Order shall be guilty of an offence and shall be liable to the penalties provided under section 26 of the Act.

**MAUN WATERWORKS AREAS ORDER**

*(under section 17)*

*(27th August, 1993)*

S.I. 91, 1993.

**1. Citation**

This Order may be cited as the Maun Waterworks Areas Order.

**2. Prohibition of use of water for specific purposes**

(a) The following activities are with immediate effect prohibited-

- (i) new private connections;
- (ii) washing of vehicles by hose pipe;
- (iii) any form of irrigation or watering of gardens, lawns etc.
- (iv) use of water for major construction activities.

(b) These measures will remain in force until further notice.

(c) The public is reminded that under all circumstances the following are prohibited-

- (i) collection and cartage of water in drums from public standpipes and private connections;
- (ii) watering of livestock from standpipes and private connections.

### 3. Offences and penalties

Any person who contravenes paragraphs 2(a) and 2(c) of this Order shall be guilty of an offence and shall be liable to the penalties provided under section 26 of the Act.

#### **FRANCISTOWN WATERWORKS (PRESCRIBED CHARGES) ORDER <sup>i\*</sup>**

*(under section 20)*

*(1st October, 1962)*

#### ARRANGEMENT OF PARAGRAPHS

##### PARAGRAPH

1. Citation
2. Charges

G.N. 80, 1962.

### 1. Citation

This Order may be cited as the Francistown Waterworks (Prescribed Charges) Order.

### 2. Charges

The charges to be paid within the Francistown Township shall be as follows-

- (a) the charge to be paid by any consumer per unit of quantity of water supplied through a meter installed to serve the consumer's premises shall be 40t per 1000 gallons;
- (b) the minimum charge to be paid by any consumer for water so supplied shall be P2 per month or part of a month during which the premises of such consumer remain connected to the main water supply;
- (c) the rent to be paid for a water meter installed by the Francistown Town Council shall be P20 and shall cover the whole of the period during which such meter remains so installed:

Provided that where the cost of installing a meter is greater than P20 the rent to be paid in respect of such meter shall be equal to the cost of such installation;

- (d) the charges incurred by any consumer under the provisions of paragraphs (a) and (b) shall be paid by a consumer within 15 days of the rendering by the Francistown Town Council of an account therefor. The rental to be paid in terms of paragraph (c) in respect of any meter to be installed shall be paid on the approval of the fittings and pipes leading from the consumer's premises to the point of connection with the meter.

All consumers receiving a supply of water shall pay a deposit as follows-

Premises used mainly for domestic purposes, or subject to the exceptions listed below, as business or trading premises	.....P6,00
Industrial premises	.....P10,00
Premises where the business of a motor garage is carried on	.....P10,00
Hotel premises	.....P30,00
Premises where the business of a butchery is carried on	.....P30,00

The deposit to be paid by all persons who apply for the installation of a meter shall be as above and shall be paid at the time when the rental for the meter is paid.

All charges, rents and deposits becoming due in terms of this Order shall be paid to the Francistown Town Council.

#### **JWANENG WATERWORKS (PRESCRIBED CHARGES) ORDER <sup>ii\*</sup>**

*(under section 20)*

(17th September, 1984)

ARRANGEMENT OF PARAGRAPHS

PARAGRAPH

1. Citation
2. Prescription of tariffs

Schedule

S.I. 18, 1985.

**1. Citation**

This Order may be cited as the Jwaneng Waterworks (Prescribed Charges) Order.

**2. Prescription of tariffs**

The charges in the Schedule hereto are hereby prescribed as charges to be paid for water supplied to consumers of water in the Jwaneng Waterworks Area at the rate, per kilolitre, specified in the Schedule.

**SCHEDULE**

<i>Quantity per month (kilolitres)</i>	<i>Rate in Thebe per kilolitres</i>
0-10 (and water sold through stand pipes for domestic use)	28
10-30 .....	72
30-50 .....	109
50+ .....	125

**PRESCRIBED CHARGES FOR WATER UTILITIES CORPORATION SUPPLY AREAS**

(under section 20)  
(8th October, 1992)

S.I. 121, 1992.

The Water Utilities Corporation has, with the approval of the Minister of Mineral Resources and Water Affairs, and with effect from the 8th October, 1992, prescribed the following charges in respect of water supplied to the waterworks areas of Gaborone/Lobatse, Jwaneng, Francistown/Sowa and Selebi-Phikwe:

- (a) the minimum charge to be paid by any consumer for water supplied shall be P7 per month;
- (b) a consumer shall pay P30 for a connection or a reconnection;
- (c) all consumers shall pay a deposit as follows:

*Residential Properties*

High cost houses	
Medium cost houses	40
Low cost houses	20

*Commercial and Industrial Properties*

A minimum of P300, or two months consumption, subject to adjustment based on actual usage, whichever is the greater;

- (d) the charges to be paid by consumers per unit of quantity of water supplied through a meter installed to serve the consumer shall be as follows-

<i>Band</i>	<i>Gaborone/Lobatse</i>	<i>Jwaneng</i>	<i>Francistown/Sowa</i>	<i>Selibe-Phikwe</i>
	<i>(Thebe per cubic metre)</i>			
0 - 10	75	75	75	75
11 -	225	160	175	115

15				
16 -	290	210	280	145
25				
above	400	240	280	185
25				
raw	(Ramot	-	60	(BCL & BPC)
water	s			s
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Affairs	Dept. of Water (Mogoditshane)			
	350	-	150	-
		-		
District		210	250	
Councils		(-	250	-)

<sup>i</sup>Please consult the Prescribed Charges for Water Utilities Corporation Supply Areas for the latest charges for this area.

<sup>ii</sup>Please consult the Prescribed Charges for Water Utilities Corporation Supply Areas for the latest charges for this area.