

NATIONAL ASSEMBLY

**FOR WRITTEN REPLY**

**QUESTION NO 3485**

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**(INTERNAL QUESTION PAPER NO. 37)**

**3485. Ms T E Baker (DA) to ask the Minister of Water and Sanitation:**

(1) Which municipalities in each province have been identified as (a) high-risk and (b) in crisis, with regard to their waste water treatment capacity;

(2) whether any remedial action is currently being taken to address the situation in each of the specified high-risk municipalities; if not, why not; if so, what are the relevant details for each of the municipalities? NW4147E

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**REPLY:**

 (1) Please refer to **Annexure A below** for the list of prioritised plants.

(2) My Department together with all the Provincial Operations Offices has prioritised these Waste Water Treatment Works (WWTW) and are all under regular surveillance. This entails that municipalities will develop Corrective Action Plans for those plants, which will be monitored regularly by the Provincial Operations Offices. Site inspections are conducted and progress reports developed and submitted on a quarterly basis. Over and above, these WWTW are prioritised from the support side and allocation of funds is availed to mitigate against the risk associated with operation of each of the works.

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**ANNEXURE A**

| Region | Municipality | Name of WWTW | Actions Taken by Regulation | Associated Cost |
| --- | --- | --- | --- | --- |
| Gauteng | None |  |  |  |
| Kwazulu-Natal | Ilembe DM  | Amatikulu | * Conducted a site inspection and a meeting with the WSA
* The plant is no longer in operation, it will be decommissioned and deregistered from Green Drop System (GDS)
 |  |
| Umzinyathi DM  | Tugela Ferry | * Conducted a site inspection
* Presented inspection findings to the WSA
* Assisted the WSA to develop an action plan,

and to complete water use registration forms  |  |
| uMkhanyakude DM  | St Lucia, Bethesda-Ubombo, Hluhluwe, Jozini, Ingwavuma-Mosvold, Manguzi Hospital, Hlabisa Hospital, Mkhuze | * Conducted site inspections
* Presented inspection findings to the WSA
* Assisted WSA to develop an action plan,

and to complete water use registration forms (all these documents were received by DWS). |  |
| uThukela DM  | Ladysmith, Winterton, Escourt, Wembezi, Ezakheni, Bergville,Colenso, Ekuvukeni | * Conducted site inspections
* Assisted the WSA to develop an action plan, and

to complete water use registration forms * (an action plan was received by DWS, a service

Provider has been appointed to improve the Operations). |  |
| uThungulu DM  | Gingindlovu, Mpushini, Ekhombe Hospital, Ekuphumuleni Hospital, Kwabadala, Mbongolwane Hospital, Owen Sithole College, Umlazi-Mtunzini, Nkandla, Catherine Booth | * Conducted site inspections
* Presented inspection findings to the WSA
* Assisted the WSA to develop an action plan, and to

 complete water use registration forms * The Region is waiting for the action plan
 |  |
| Zululand DM  | Vryheid-Klipfontein, Emondlo, Coronation, Hlobane | * Conducted site inspections
* Presented inspection findings to the WSA
* Assisted WSA to develop an action plan, and to

 complete water use registration forms * The Region is waiting for the action plan
 |  |
| uMzinyathi DM | Tugela Ferry | * Desludged settling tank; Refurbished aerator motor; Refurbished aerator gearbox; Provision of self-powered chlorinator; Refurbished wasted sludge return mechanism
 | R810 000 (ACIP) |
| uMkhanyakude DM | St Lucia | * Refurbished Inlet Works Screens; Replaced Inlet Works ultrasonic flow sensor; Refurbished primary and maturation ponds; Removed sludge and weeds/reeds from primary and maturation ponds; Replaced flow controls/sluices from primary and maturation ponds
 | R2 686 184 (ACIP) |
| uMkhanyakude DM | Mkhuze | * Desludged all six ponds; repaired three damaged ponds; Installed new lining in ponds
 | R1 697 805(ACIP) |
| uMkhanyakude DM | Bethesda-Ubombo, | * Municipality refurbished plant using own funds
 |  |
| uMkhanyakude DM | Hluhluwe | * Earmarked for refurbishment in the 2015/2016 national financial year
 | R5 million (budget) (ACIP) |
| uMkhanyakude DM | Jozini | * Installation of chlorination system; Structural repairs to all ponds and desludging and disposal; Fencing and Security Gates
 | R2 022 000 (WSOS) |
| uMkhanyakude DM | Ingwavuma-Mosvold | * Municipality refurbished plant using own funds
 |  |
| uMkhanyakude DM | Hlabisa Hospital | * Municipality refurbished plant using own funds
 |  |
| uThukela DM | Escourt | * Refurbish Ultrasonic Flow Sensor; Bridge Corrosion protection; Refurbish bridge drive motor and gearbox;
* Refurbish central bearing assembly; Refurbish desludge valves and pipework; Degrit and clean; Refurbish circulation pumps; Refurbish external pipework; Bridge Corrosion protection;
* Refurbish bridge drive motor and gearbox; Refurbish central bearing assembly;
* Refurbish desludge valves and pipework
 | R4 260 000 (ACIP) |
| uThukela DM | Winterton | * Refurbish inlet screens; Bridge Corrosion protection;
* Refurbish bridge drive motor and gearbox; Refurbish desludge valves and pipework; Refurbish sludge pumps and motors and pipework/valves
 | R1 200 000 (ACIP) |
| uThukela DM | Wembezi | * Replace submersible pump.
* To refurbish grit openchsnnel flume,weed control,flow control/sluit,sludge removal.
 | R960 000 (ACIP) |
| uThukela DM | Ezakheni | * Refurbish 2 No. 30kW pumps; Refurbish ultrasonic flow sensor; Refurbish aerator motors (2 No.) and gearbox (1 No.); Refurbish Mixer
* General corrosion protection
* Replace access railings; Bridge corrosion protection and replace bridge drive motor
* Refurbish bridge drive gearbox; Refurbish central bearing assembly
* Refurbish desludge valves, pipework
 | R3 340 000 (ACIP)  |
| uThukela DM | Colenso | * Replaced pump motors and gearboxes; Replaced open channel flume; Refurbish Aerator Motors in both basins
* Replace aerator gearboxes in both basins; Refurbish mixers in both basins; Replace Access Rails on each basin; Refurbish flow control sluices
* Weed control - rehabilitate
 | R3 390 000 (ACIP) |
| uThukela DM | Ekuvukeni | * Refurbish inlet screens
* Refurbish grit removal system
* Refurbish ultrasonic flow sensor; R efurbish flow control valves; Refurbish aerator motor and gearbox;
* General corrosion protection
* Replace handrailing; Refurbish mixer; Refurbish bridge drive gearbox;
* Refurbish bridge drive motor;
* Refurbish central bearing assembly; Refurbish desludge valves, pipework; Bridge corrosion protection
 | R1 350 000 (ACIP) |
| uThukela DM | Ladysmith | * Earmarked for refurbishment in the 2015/2016 national financial year
 | R3 890 000 (ACIP)  |
| uThungulu DM |  Kwabadala | * To replace inlet screens, ultrasonic flow sensor, flow controles/sluicecabling and recorders.
* To refurbish ponds remove weeds/reeds,reinstate ponds.
 | R960 000 (ACIP) |
| uThungulu DM | Owen Sithole College | * Refurbish screens; Replace ultrasonic flow sensor and flume; Replace cabling and recorder; Replace aerator motor and gearbox; Replace mixer; Corrosion protection of plant/handrrailing; Replace bridge corrosion protection;
* Refurbish bridge drive motor and gearbox; Replace desludge valves and pipework
 | R1 120 000 (ACIP) |
| uThungulu DM | Catherine Booth | * Replace inlet screen, ultrasonic flow sensor and flume.; To refurbish ponds, ponds, chlorinator, general buiking upgrade. To replace flow controls/sluice,general building upgrade
 | R490 000 (ACIP) |
| uThungulu DM | Ekuphumuleni Hospital | * Refurbish screens,bridge drive motor and gearbox. Replace ultrasonic flow sensor and flume. Replace bridge corrosion protection, desludge valves and pipework.
 | R490 000 (ACIP) |
|  | uThungulu DM | Mbongolwane Hospital | * To refurbish grit removal,inlet screen,ultrasoni flow sensor. To replace motors and gearboxes,mixer,switchgear and cabling. To refurbish chlorinator and scales.
 | R560 000(ACIP) |
| Zululand DM | Emondlo | * To refurbish access rails,pipework and valves,switchgear. Ro refurbish pumps and motor, chlorinator,desludge valves,deslidge valves. To refurbish central bearing,bridge corrosion and replace mixer.
 | R820 000(ACIP) |
| Coronation | Zululand DM | * Refurbish Inlet Screens;
* Replace ultrasonic sensor and cabling and recorder;
* Refurbish bridge drive motor and gearbox; Refurbish desludge valves and pipework; Bridge corrosion protection; Refurbish aerator motor and gear box; Replace mixer; Refurbish cabling and switchgear; Replace access rails/hand rails; Replace chlorinator; Replace gas leak detection; Replace scales;
* Corrosion protection
 | R1 640 000(ACIP) |
| Limpopo | Mookgopong LM  | Thusang Ponds |  |  |
| Sekhukhune DM  | Groblersdal, Dennilton, Motetema Ponds, Monsterlus-Hlogotlou, Elandkraal, Leeufontein-Mokganyaka, Marble Hall, Jane Furse-Glen Cowie, Phokwane Ponds, Nebo Ponds, Meckleberg-Moroke Ponds | * RRU Support funding only assisted the following Waste water treatment works in drafting the Risk abatement plan: Lephalale Local Municipality (4 x systems, Zongesien, Witpoort, Paarl, and Monyeke), Vhembe District Municipality (2 x systems Thohoyandou and Makhado), Sekhukhune District Municipality (1 x system, Motetema) and Polokwane Local Municipality (1 x system, Mankweng).
* A workshop was conducted with 4 WSAs that scored below 30% to further clarify the improvement plans required as stipulated in the Assessment report. WSAs were requested to submit an action plan to improve its performance in the underperforming areas as indicated above. Only two (2) WSAs complied, Mopani & Thabazimbi and the region to further assist the three remaining WSA’s to submit their action plans.
* Through Water Services Operating Grant (WSOG) the department is assisting three WSAs in refurbishment of their WWTW: Polokwane LM ( Seshego, Mankweng WWTW ), Sekhukhune DM (Dennilton, Motetema, Practiseer, Penge and Mapodile Ponds) and Capricorn DM( Lebowakgomo Ponds)
 | RRU Support:Lephalale LM: R135 501.Vhembe DD: R107 140.Sekhukhune DM:R40 000.Polokwane LM: R58 717Sub-total: R341 358.WSOG:Polokwane:R14,5MillionSekhukhune: R14,66millionCapricorn: R4 MillionSub-total: R33,160 MillionGrand Total: R33,5Million |
| Mopani DM  | Giyani , Ga-Kgapane, Modjadjl-Duiwelskloof, Senwamokgope Ponds, Phalaborwa, Lulekani, Lenyenye, Nkowankowa, Namakgale |
| Thabazimbi LM  | Rooiberg, Northam |
| Vhembe DM  | Louis Trichardt-Makhado, Makhado-Dzanani Ponds, Waterval-Makhado, Mutale Ponds, Malamulele, Thokoyandou, Tsifulanani Ponds, Mhinga, Nancefield |
| Capricorn LM | Sewabarwana Oxidation ponds |  | R4 m (ACIP) |
| Lephalale LM |  | Re-engineering of sewer network in Lephalale town | R6 m (ACIP) |
| Sekhukhune DM |  | Upgrade of WWTW at Greater Tubaste LM | R5 m (ACIP) |
|  |  | To dedicated to WWTW flaged high risk by 2013 Green drop report | R5.2 m (ACIP) |
| Mpumalanga | Mbombela LM  | Kabokweni |  |  |
| DR JS Moroka LM  | Vaalbank Oxidation Pond | No support due to the fact that the Oxidation Pond only services Vaalbank SAPS (Police) Station. | N/A |
| Albert Luthuli LM  | Mpuluzi-Mayflower, Elukwatini-Eerstehoek, Carolina | Carolina * Upgrading of pumps
* Refurbishment of the chlorination system
* Refurbishment of aerators
* Building renovations
* Cleaning of dams
* Repairs to the inlet works

Follow up InspectionHolding of monthly project progress meetings until to the end of the project | R2.098million(ACIP) |
| Nkomazi LM  | Mhlatikop, Komatipoort, Hector Spruit | Mhlatikop* Installation of palisade fencing
* Construction of mini lab
* Installation of blowers
* Upgrading of the inlet works
* Replacement of pumps
* Installation of a new chlorine system and shower
* Installation of flow meters
* Renovation of buildings

Komatipoort* Cleaning of the ponds
* Installation of a new chlorination system
* Construction of a pump house and upgrading of pumps at Spar pump station
* Construction of a pump house and upgrading of pumps at Orlando Spar pump station
* Construction of a pump house and upgrading of pumps at Crocodile pump station
* Construction of the Guard house
* Related pipe works
* Renovations to buildings

Follow up InspectionHolding of monthly project progress meetings until to the end of the project | R5.68million (ACIP)R11.53million (ACIP) |
| Thembisile Hani LM) | KwaMhlanga Ponds (East) , KwaMhlanga (West | * Installation of flow meters
* Upgrade of the outlet works.
* Installation of disinfection system.
* Process audit and optimization of the works
* Construction of fencing and a guardhouse with
* office and ablution unit
* Sludge removal

Follow up InspectionHolding of monthly project progress meetings until to the end of the project | R3.3million (WSOSG) |
| PixleykaSeme LM  | Amersfoort, Perdekop, Volksrust, Vukuzakhe, Wakkerstroom |  |  |
| Emalahleni LM All 7 plants | Ga-Nala,Rietspruit,Phola, Riverview,Klipspruit,Naawpoort,Ferrobank | RIVERVIEW WWTW:Inlet WWTW;* Installation of new mechanical screen replacing the non functional one
* Installation of safety grid over open channel.
* Supply new screen bin.

Primary Settling Tank (PST);* Repair Scrum scraper blade.
* Replace scum removal rubbers.

2 X Small Digesters;* Clean digesters.
* Replace 5 gate valves with new ones.
* Replace all existing steel pipe work from sludge pump station to digesters.
* Replace sludge feed and draw off work.
* Replace hand rails.

1 x Larger Digester;* Clean out the digester

Sludge Pump Station;* Extension of sludge feed pipe line to both sumps;
* Replacement of existing KSB sludge pump with motor pump set.
* Supply and install safety covers over couplings of two pumps.

Aeration Pond;* Clean out aeration basin.
* Supply and install new electric motors for the floating aerators.
* Supply and install of holding ropes.
* Replace corroded mild steel pipe sections with stainless steel pipes.
* Supply and install of two blank flanges fitted with jetting nozzles

Drying Beds;* Replace of 32 hand stops on 8 drying beds of 1st section.
* Replace of 24 hand stops on 12 drying beds of 2nd section

2 X Bio-Filters;* Replace centre column and filter arm pipes of bio filter 1.
* Clean arms and level arms of bio filter 2.

Screw Pump;* Replacement of bottom bearing.
* Replacement of electric motor with 1410 rpm unit.

Final Settling Tank;* Repair scum draw off valve mechanism.

Submersible Pumps;* Supply and install new 2 submersible pumps.

Humus Pump Station;* Replace obsolete pump motor set with suitable equipment.
* Replace existing pump set.

Inlet Work – electrical Equipment;* Moving of inlet flow meter to new (suitable) position.

Stand-By Generator;* Supply and install 94 kV diesel powered generator.
* Supply change over panel from mains to generator

Palisade Walling;* Supply and install the new palisade walling around entire plant
* Supply and installation of the manual sliding gate

Follow up InspectionHolding of monthly project progress meetings until to the end of the project | R5.54 million (ACIP) |
|  |  | FERROBANK WWTW:* Refurbishment of drying beds covering the area of 4920 m2.
* Refurbishment of mechanical screen
* Calibration of outlet flow and sludge pump ultrasonic flow meter.
* Cleaning and unblocking humus tanks.

Primary Treatment;* Refurbishment of three Primary. Settling Tanks (3 x PSTs); i.e. cleaning and unblocking of PST #5, #6, and #7.

Secondary Treatment;* Mechanical refurbishments of four Bio Filters, i.e. bio filter #1, #2, #3 and #4.

Follow up InspectionHolding of monthly project progress meetings until to the end of the project | R5million (ACIP) |
| Bushbuckridge LM  | Acornhoek, Dwarsloop, Hoxane, Maviljan, Tintswalo, Mkhuhlu, Thulamahashe |  |  |
| Msukaligwa LM | BreytenPonds,Breyten ASP,Chrissiesmeer,Davel, Ermelo,Lothair | Breyten* Refurbishment of the RAS pumps
* Refurbishment of inlet pumps
* Refurbishment of the Aerators shaft and blades
* Calibratiojn of ultrasonic flow meters
* Cleaning of the chlorine contact tank
* Installation of the emergency shower
* Refurbishment of Aerator gearbox
* Refurbishment of Aerator motors
* Refurbishment of drive wheel bearing on SST

Follow up InspectionHolding of monthly project progress meetings until to the end of the project | R2.2million (ACIP) |
| Lekwa LM | Morgenzon, Standerton | Standerton * Refurbishment of inlet works
* Refurbishment of 15KW GR pumps
* Installation of one 15KW GR pump
* Refurbish MCC (install soft starter, motor control unit)
* Refurbishment of the PST
* Flushing of biofilters

Follow up InspectionHolding of monthly project progress meetings until to the end of the project | R1.7million (ACIP) |
| Dipaleseng LM | Balfour,Grootvlei Eskom,Greylingstad,Grootvlei Mine | Balfour* Installation of Aerator no 4 motor and gearbox
* Installation of vertical spindle mixer no2
* Installation of two RAS pumps 2.5 and 4.5KW both immersible pumps
* Refurbishment of the SST
* Refurbishment of aerator no3

Greylingstad* Calibration of inlet flow meters
* Service and repair bearings on brush aerator
* New submersible WAS/recycle pump (estimated 5.5kW)
* New submersible mixer (estimated 2.5 kW)
* Rebuild effluent flow meter weir
* Install doors to office building bathroom
* Install geyser and hot water plumbing to shower

Follow up InspectionHolding of monthly project progress meetings until to the end of the project | R1.15million (ACIP)R0.591million (ACIP) |
|  | * Thaba Chwue LM
 | * Lydenburg WWTW
 | * Refurbishment of Lydenburg WWTW
 | * R 6. 971 m (ACIP)
 |
| * Emakhazeni LM
 | * Machadodrop WWTW
 | * Refurbishment of Machadodrop WWTW
 | * R 4. 603 m (ACIP)
 |
| * Lekwa LM
 | * Morgenzon WWTW
 | * Refurbishment of Morgenzon WWTW
 | * R 3. 415 m (ACIP)
 |
| * Dr Pixley ka Seme
 | * Wakkerstroom WWTW
 | * Refurbishment of Wakkerstroom WWTW
 | * R 1. 424 m (ACIP)
 |
|  |  |  |  |  |
|  | * Dipaleseng
 |  | * Balfour Wastewater Treatment Works
 | * All these plants are prioritized under RBIG for the implementation in the third quarter of 2015/16 financial year
 |
|  | * Victor Khanye
 |  | * Upgrade of Delmas Waste Water
 |
|  | * Victor Khanye
 |  | * Upgrade of Botleng Waste Water
 |
|  |  |  |  |
| Free State | * Tswelopele LM
 | * Hoopstad, Builtfontein
 | * B/G Drop task team established
 |  |
| Mantsopa LM | Tweespruit, Thaba Patchoa | Tweespruit: site inspection conducted on 12 March 2015. Non compliance letter dated 30 March 2015 issued. No pre-directive or directive issued B/G Drop task team established |  |
| Matjhabeng LM | Welkom | Refurbishment of Mamahabane Waste Water Treatment Works: Project to start in 2015/16 financial year. Completion expected in March 2016Upgrading of sewer network in Kutlwanong Stadium area: Project to start in 2015/16 financial year. Completion expected in March 2016B/G Drop task team established | R3,000,000.00R3,352,000.00 |
| Mafube LM | Namahadi | Upgrading of Namahadi WWTW. The project has been divided into two phases. Phase 1 is more bulk sewer lines and pump stations. Phase 2 is more on upgrading of WWTW. Currently we are on Phase1 which is 35%B/G Drop task team established | R120,000,000.00 |
| Mohokare LM  | Rouxville, Smithfield | B/G Drop task team established |  |
| Metsimaholo LM | Deneysville  | Deneysville WWTW: Construction of outfall sewer line. The project is at 75%B/G Drop task team established | R8,000,000.00 |
| Dihlabeng LM | Bethlehem  | Refurbishment of Bethlehem WWTW: Project completed December 2012B/G Drop task team established | R2,441,000.00 |
| Moqhaka LM  | Mashaeng, Mautse | Refurbishment of Kroonstad WWTW. Plant not operational. Project has started, but, not much progress to date. Completion is expected in March 2016Upgrading of Kroonstad sewer line. Project to be completed in March 2016.B/G Drop task team established | R36,000,000.00 |
| Phumelela LM  | Warden, Memel, Vrede | Refurbishment of Warden WWTW. Project completed December 2014 and the plant was operational after interventionRefurbishment of Vrede WWTW. Project completed December 2014 and the plant was operational after interventionB/G Drop task team established | R6,560,000.00R2,700,000.00 |
| Tokologo LM  | Boshof, Hertzogville, Dealesville | B/G Drop task team established |  |
| Nketoana LM | Arlington, Lindley / Ntha, Petrus Steyn, Reitz | Refurbishments of Petrus Steyn Transfer sewer pump station. Project completed March 2015 and pump station operationalRefurbishment of Lindley and Reitz sewer pump stations. Contractor appointed and implementation to start May 2015B/G Drop task team established | R1, 800,000.00R4, 275,000.00 |
| Letsemeng LM | Koffiefontein, Jacobsdal, Petrusburg, Luckhoff | Refurbishment of Koffiefontein WWTW: Project under implementation and progress is at 95% and completion planned for end August 2015B/G Drop task team established | R3,100,000.00 |
| Ngwathe LM  | Parys, Vredefort, Koppies, Heilbron | Parys: last site inspection conducted in May 2014. The contractor that was busy with the refurbishment was no longer on site and completed his job according to the scope of work. No pre-directive or directive issuedVredefort: last site inspection conducted in May 2014. On the day of the inspection the contractor was on site at the WWTWs and he indicated that he was finishing up on the work that he did at the plant as well as the pump station. No pre-directive or directive issuedKoppies: Last inspection conducted in September 2013. Major part of the plant was operational with a few infrastructures not operational. Major concern was that there was no chlorination taking place. No pre-directive or directive issuedHeilbron: last site inspection conducted in May 2014. Part of the upgraded plant was completed and operational during the inspection. The process controller mentioned that it was about two months since they have been using the upgraded plant. No pre-directive or directive issuedRefurbishment of Vredefort WWTW: Drying beds have been completed and panel installed, pump stations are refurbished, project expected for completion May 2015.Refurbishment of Parys sewer: project was completed March 2014 through MIGB/G Drop task team established | R16,400,000.00 |
| Masilonyana LM  | Brandfort, Masilo, Verkeerdevlei, Winburg | Brandfort: Last site inspection was conducted in January 2015 and Bloemwater was on site busy with the refurbishment at the plant. No pre-directive or directive issued* Refurbishment Theunissen sewer outfall and pump station: Upgrading of the pipe line has been completed
* Refurbishment Brandfort sewer outfall and pump station: Project is at 95% completion and the sewer spillage has been dealt with.
* Refurbishment of Winburg sewer transfer pump station and Verkeerdevlei sewer outfall pipe line: refurbishment of the pump station has been completed and upgrading of Verkeerdevlei outfall sewer line is at 85%
* Upgrading of Winburg WWTW was completed through MIG

B/G Drop task team established | R1,000,000.00R3,290,000.00R1,520,000.00 |
| Nala LM | Bothaville, Wesselsbron | Construction of a WWTW in Wesselsbron/Monyakeng: Project under implementation and is at 40% and planned to be completed December 2015B/G Drop task team established | R46,000,000.00 |
| Naledi LM | Dewetsdorp, Van Stadensrus, Wepener | * Refurbishment of Wepener WWTW. The project was completed March 2014.
* Upgrading of Wepener sewer outfall and refurbishment of two sewer pump stations: This is a new project for the 2015/16 financial year and implementation is expected to start June 2015

B/G Drop task team established | R2,250,000.00R3,600,000.00 |
| Setsoto LM | Ficksburg, Clocolan, Marquard, Senekal | * Refurbishment of Clocolan WWTW : The refurbishment of the WWTW and three sewer pump station was completed in July 2014
* Upgrading of Ficksburg Sewer: The project entailed the upgrading of the main sewers and connection of toilets to the sewer system. The project divided into phases due to funding limitations and the last phase which is phase 3 was completed in June 2014 and there are more sewers that still need to be attended to in future. Project completed July 2014

B/G Drop task team established | R5,800,000.00R16,900,000.00 |
|  |  |  |  |  |
| Kopanong |  | Phillipolis retrofitting | R 308 (ACIP) |
| Ngwethe LM |  | Refurbishment of Koppies WWTW | R 2. 500 m (ACIP) |
|  |  |  |  |
| Moqhaka LM |  | Moqhaka Bulk Sewer | All these plants are prioritized under RBIG for the implementation in the third quarter of 2015/16 financial year |
| Ngwathe LM |  | Ngwathe Bulk Sewer |
| Tokologo LM |  | Hertzogville Sewer |
| Tokologo LM |  | Dealsville Waste Water Package Plant |
| Naledi LM |  | Dewetsdorp Sewer |
| Mafube LM |  | Frankfort Bulk Sewer |
| Mafube LM |  | Tweeling Sewer Pumpstation  |
| Ngwathe LM |  | Heilbron Sewer and Pumpstation  |
| Mohokare LM |  | Rouxville Outfall Sewer |
| Phumelela LM |  | Memel Refurbishment WWTW and Sewer |
| Phumelela LM |  | Memel Refurbishment WWTW |
| Masilonyana LM |  | Winburg Upgrading WWTW |
| Nketoana LM |  | Petrus Steyn Refurbishment WWTW |
| Nketoana LM |  | Petrus Steyn Upgrading WWTP |
| Nketoana LM |  | Arlington Refurbishment WWTW |
| Nketoana LM |  | Reitz Upgrading WWTP |
| Mafube LM |  | Frankfort Bulk Sewer |
| Metsimaholo LM |  | Upgrading of Deneysville WWTW |
| Mathjabeng LM |  | Mathjabeng Bulk sewer |
| Northern Cape | Kamiesberg LM | Garies;Kamieskroon | RBIG Vanderkloof: New WWTW under construction.Petrusville: Identified as part of the RBIG priority list.Fraserburg: Identified as part of the RBIG priority list.Colesberg: upgrade complete March 2014.Keimoes: Identified as part of the RBIG priority list.(ACIP)Petrusville: Refurbishment of WWTW.(March 2014)Port Nolloth: refurbishment of sewer Pump station. (March 2014)Douglas: Refurbishment of oxidation ponds and pump stations.(March 2015)Groblershoop: Poffadder: Refurbishment of pump stations and sewage truck.(March 2014)Nababeep: refurbishment Pump station (March 2013)Olifantshoop: refurbishment Pump station (March 2013) | DWS EXP: R 4 816 000 (budget: R 23 231 000) (Vanderkloof)R18 604 000 (Colesberg) (DWS) R 1 525 913. (Petrusville ACIP)R 2 810 000. (Port Nolloth ACIPR11 566 000 (Douglas ACIP) R3 792 000. (Poffadder ACIP) R1 700 000. (Nababeep ACIP) R1 980 000. (Olifantshoop ACIP) |
| Renosterberg LM | Vanderkloof,Petrusville,Philipstown |
| Mier LM | Rietfontein,Askham,Loubos |
| Karoo Hoogland LM | Williston,Fraserburg,Sutherland |
| Richersveld LM  | Port Nolloth |
| Umsobomvu LM  | Colesburg, Noupoort |
| Siyancuma LM | Douglas,Griekwastad,Schmidtsdrift |
| Kareeberg LM  | Carnavon, Vosburg |
| Ubuntu LM  | Richmond |
| !Kheis LM  | Groblershoop,Brandboom,Wegdraai, Topline, Grootdrink |
| Khai-Ma LM  | Pofadder |
| !Kai !Garib LM  | Keimoes |
| NamaKhoi LM  | Nababeep |
| Siyathemba LM  | Prieska |
| Joe Morolong LM  | Van Zylrust |
| Umsobomvu LM | Colesburg, Noupoort (repeat) |
| Hantam LM | Middelpos |
| Joe Morolong LM | Hotazel |
| Ubuntu LM | Richmond |
| Gamagara LM  | Dibeng, Olifantshoek |
|  | Siyancuma LM |  | Refurbishment of waste water pumpstation | R 4. 000 m (ACIP) |
|  | Dikgatlong Lm |  | Refurbishment of Delportshoop WWTW | R 3. 222 m (ACIP) |
|  | Kamiesberg LM |  | Refurbishment of Kheis evapouration ponds | R 662 (ACIP) |
|  |  |  | Refurbishment of Klipfontein evapouration ponds | R 604 (ACIP) |
| North West | Moretele LM  | Swartdam | Follow up inspection conducted on 24/03/2014 |  |
| Kgetleng River LM | Swartruggens, Koster | Department provided funding for refurbishment of the Koster Oxidations Ponds, desludging and cleaning of the lagoons, the upgrading of the inlet works and the refurbishment of the recirculation pumps. The upgrading of a new Koster WWTW is at design stage. Follow up inspection for Koster WWTW was conducted on 30/08/2014 | FY2014: R6 000 000FY2015: R7 850 000 |
| Dr Ruth Mompati DM  | Vryburg, SchweizerReneke, Bloemhof | Department provided funding to refurbish the Bloemhof WWTW, Work included the repair of the biological filter arms for filter no. 1 and 2. Cleaning of the anaerobic ponds and restoring of sludge drainage equipment, repair of electrical works at inlet works and old works pump controls, repairs to inlet works mechanical equipment including mechanical raking system and de-gritting system, and servicing of pumps in main pump station.  | FY2015: R2 954 533 |
| The Vryburg WWTW refurbishment business plan was developed and evaluated for the 2015/16 financial year ACIP allocation.  |  |
| Follow up inspections for Schweizer Reneke and Bloemhof WWTWs were conducted on 06/06/2014. |  |
| Ngaka Modiri Molema DM  | Coligny, Lichtenburg, Itsoseng, Mafikeng, Mmabatho, Zeerust, Delareyville, Sannieshof, Ottosdal, Atamelang | The Business plan has been developed and submitted for funding consideration under ACIP for the refurbishment of Mafikeng WWTW.  |  |
| Follow up inspections for Coligny, Lichtenburg, Itsoseng, Mafikeng, Mmabatho, Zeerust, Delareyville, Sannieshof, Ottosdal and Atamelang WWTWs were conducted on 10-11/02/2015 |  |
| Moses Kotane LM | Mogwase, Madikwe | Follow up inspection for Mogwase WWTW was conducted on 31/03/2014 |  |
| Maquassi Hills LM | Leeudoringstad, Wolmaranstad, Agisanang | Department provided funding for the upgrade of Maquassi WWTW from 4Ml/d to 9 Ml/d .The project is under construction. | R 130 million |
|  |  |  Follow up inspection for Wolmaranstad WWTW was conducted on 19/02/2014 |  |
| Dr RSM DM |  | Bray sewer pump upgrade | R 1. 462 m (ACIP) |
| Dr RSM DM |  | Bloemhof Phase 2 | R 3. 500 m (ACIP) |
| Dr RSM DM |  | Refurbishment of sludge drying beds at Vryburg (Naledi) | R 2. 050 m (ACIP) |
| Dr RSM DM |  | Upgrading of booster sewage pumping station in vryburg | R 1. 672 m (ACIP) |
| Ngaka MM DM |  | Refurbishment of Mafikeng and Mmabatho WWTW and sewage pumping stations | R 5. 000 m (ACIP) |
| Western Cape | Beaufort West LM  | Murraysburg | Beaufort West: (b) Introduction and background:Although Murraysburg WWTW falls under Beaufort West Municipality in Western Cape Province, it also falls under Mzimvubu- Tsitsikama CMA which is controlled from the Eastern Cape Provincial Operations. Therefore their authorization is supposed to be handled by Eastern Cape Provincial Operations. Murraysburg WWTW was recently inherited by Beaufort Municipality from Central Karoo District Municipality.Initial site inspection:Initial site inspection was done on 20 May 2014, a feedback letter was written to the municipality with recommendations on how they can improve their shortfalls. An email was also sent with the recommendations (see attached), and a feedback meeting was also done to discuss the recommendations and progress with implementation of the recommendations (see attached). A file note was also written and filed (see attached).(c) Follow up site inspection:A follow up site inspection was done on 19 January 2015 (see attached 2nd file note). This was done to find out if any of the initial recommendations have been addressed and the progress to date. | Cost incurred include accommodation and transport for the official |
|  | Matzikama LM  | Bitterfontein, Nuwerus | Matsikama:(b) Site inspection was conducted for Matzikama LM which included inspections of Bitterfontein and Nuwerus in 2014 and recommendations were made in the form a feedback letter. The noted non compliances included registration of systems and operational issues like the frequency of cleaning of screens. All units were in working order. (c)Follow – up was done in terms of registration of the systems and the current status which reflects that the two works has been authorized under GA. |  |
|  | Theewaterskloof LM  | Greyton | Theewaterskloof(b) Site inspection was conducted for all the WWTWs in Theewaterskloof including Greyton Oxidation pond System. Feedback letter was send to the Municipality with the recommendations to improve poor maintenance status and improve data submissions of Greyton WWTW. (c) Follow up was in a form of monitoring of data on GDS and Improvement for data compliance on the green dropd system (GDS) was acknowledged after recommendations send to the municipality. With regards to authorization the works is not yet authorized but they have applied through Breede-Gouritz Catchment Management  |  |
|  | Bergrivier LM  | Eendekuil | Bergrivier: Eendekuil a site inspection was done in 2014. The finding included non compliance with the regulation 2834 regarding number of Process controllers the works is required to have and qualifications. Then section 141 of National Water Act 1998 with regards to data submission on to the GDS and section 19 of NWA 1998 with regards to pollution prevention poor maintenance of the ponds resulting to the accumulation of sludge in the primary pond. The feedback letter was written with the recommendations.The follow up site inspections has not taken place. But through the monitoring of the GDS and the data is no being loaded into the system ever since.  |  |
| Cederberg LM  | Graffwater, Elands Bay, Wupperthal, Algeria | Cederberg:On the 20 November 2014 the municipality was assisted with GDS training which was upon request by the municipality. Site inspections were conducted on all four systems Graffwater, Elands Bay, Wupperthal, Algeria. The feedback letter was written and sent to the municipality and the action plan was received by the department for all their works.Follow up site inspection has not yet taken place |  |
| Bergrivier LM | Porteville WWTW | Refurbishment and upgarde of Porteville WWTW | R 2.843 m (ACIP funding) |
| Hesseque LM | Albertina WWTW | Refurbishment of Albertina WWTW | R 3. 000 m (ACIP funding) |
| Eastern Cape- ---· ·- - - | Chris Hani DM | Molteno, Cradock, Lady Frere, Middelburg,Tsomo | • Non compliance letters sent to WSA,• ComplianceAssessment havebeen conducted to check progress,• Training provided forGreen Drop system,• Advisory support has been given,• Action Plan not submitted by the WSA's. | Engcobo wwtw =R1,948m (ACIP-14/15) + R1,2 m-(ACIP 13/14) |
|  |  |  | Molten - pump station = R3,5m- (ACIP14/15)Sterkstroom wwtw R3m- (ACIP 13/14),Tsomo wwtw priority for RRU (total RRU funds for wwtw is R 3.5m for whole Province), |
| Baviaans LM | Rietbron | • Engagement wasdone with the WSAbut no progress. | Willowmore wwtw R4,147m (ACIP-12/13),• Rietbron wwtw priority for RRU. |
| Alfred Nzo DM | Cedarville, Bizana, Ntabankulu | • ComplianceInspection have beendone,• Continued engagements arehappening.• Training on green drop system.• Action Plan has been provided by the WSA. | Ntabankulu wwtwtargeted for RRU. |
|  | Sundays RiverValley LM | Enon-Bethesda | • Compliance inspectionhave been conducted,• Non compliance letter issued,• Re-Training providedon the green dropsystem. | Nil for wwtw |
|  | KouKamma LM - | Coldstream\_!.Misgl.Jnd, St()rms River We !,Clarkson, Kareedouw- | * Compliance Inspection has been done.

• Non complianceletters have beenissued• IE has been engaged to deal withAuthorizations.• No action plans submitted by WSA. | R2,930m - Refurbishment of Louterwater (ACIP-15/16) |
| Blue Crane LM | Cookhouse, Pearston, Somerset East | • Compliance Inspections have been done• Non compliance letters have beenissued.• No action plans submitted by WSA. | Somerset East wwtw R10 OOO m= (ACIP-13/14) & outfall sewerR6,243,156m- (ACIP-12/13) |
| ORTambo OM | Flastaff, Lusikisiki,Mqanduli,Mthatha,Ngqeleni,PortSt Johns,Qumbu, Tsolo | • ComplianceInspections have beenconducted.• Non compliance letters have beenissued,• Training has been provided for Green drop• No action plan submitted. | Port St Johns wwtwprioritized for RRU. |
|  | Ndlambe LM | Alexandria/Kwanonkqu, Nolukhanyo, Bushmans Marselle, Port Alfred,/Ekuphumleni | * Non compliance letter have been issued

• Training for green drop undertaken.• No action plan submitted by the WSA | Port Alfred pump stations R4,5m-(ACIP 14/15),Kenton-on-sea pump stations R1,75m- (ACIP 13/14),Alexandria prioritized for RRU, |
|  | Kouga LM |  | Refurbishment of 3 sewer pump station in Jeffrey's Bay | R 4. 535 m (ACIP funding) |
| Ikwezi LM |  | Refurbishment of Sewer pumpstation at Janseville & Klipplaat | R 3.350 m (ACIP funding) |
| Amathole DM |  | Refurbishment of Fort Beaufort Sewage Pump station and optimisation WWTW - Phase 1 | R 3. 5 m (ACIP) |
| Gauteng | Randfonttein LM | Randfontein WWTW | refurbushment of Randfontein WWTW | R 5.000 m (ACIP) |
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