

STAKEHOLDER DATABASE

| Category | Department | Mr/Ms | First Name | Last Name | Position | Division | Formally Registered |
|-------------------|-------------------------------------------------------------------|-------|------------|---------------|-------------------------------------|-----------------------------------------------------------|---------------------|
| Authorities | National Department of Environmental Affairs (DEA) Lead Authority | Mr | Masina | Litsoane | Environmental Impact Evaluation | Integrated Permitting Systems | |
| Authorities | National Department of Environmental Affairs (DEA) | Ms | Zingisa | Phohlo | Deputy Director | Authorisation and Waste Disposal Management | |
| Authorities | National Department of Environmental Affairs (DEA) | Ms | Pumeza | Skepe | Deputy Director | | |
| Authorities | National Department of Environmental Affairs (DEA) | Mr | Lucas | Mahlangu | Control Environmental Officer | System management | |
| Authorities | National Department of Environmental Affairs (DEA) | Ms | Amanda | Brits | Directorate | Integrated Environmental Management: Framework and Policy | |
| Authorities | National Department of Environmental Affairs (DEA) | Ms | Mmatlala | Rabothata | Case Officer | | |
| Authorities | National Department of Environmental Affairs (DEA) | Mr | France | Scheepers | Deputy Director | Integrated Environmental Management: Framework and Policy | |
| Authorities | Regional Department of Mineral Resources | Ms | Mashudu | Maduka | Deputy Director | Mine Environment | |
| Authorities | National Department of Water Affairs (Case officer) | Mr | Bashan | Govender | Water Quality Manager | | |
| Authorities | Provincial Department of Water Affairs | Mr | Moleseng | Tlaila | Senior Environmental Officer | | |
| Authorities | National Nuclear Regulator (NNR) | Mr | Patle | Mohajane | Project Manager | | |
| Authorities | South African Heritage Agency (SAHRA) | Ms | Genna | Lavin | Heritage Officer | | |
| Authorities | SA National Road Agency - Northern Region | Ms | Victoria | Bota | Environmental Coordinator | | |
| Authorities | National Department of Agriculture | Ms | Portia | Khumalo | ROC - Environmental | | |
| Authorities | Department of Agriculture | Mr | Herman | Den | | | |
| Authorities | Department of Agriculture and Rural Development | Mr | Rickus | Du Plessis | | | |
| Authorities | Department of Agriculture, Forestry and Fisheries | Ms | Mary Jean | Gabriel | | | |
| Authorities | Department of Agriculture, Forestry and Fisheries | Mr | Jan | Potgieter | | | |
| Authorities | Department of Environmental Affairs | Mrs | Chantal | Engelbrecht | | | |
| Authorities | Department of Health | Mr | Paul | Britz | | | |
| Authorities | Department of Health | | Kathie | Jansen | | | |
| Authorities | Department of Health | Ms | Susan | Mashao | | | |
| Authorities | Department of Mineral and Resources | Ms | Carol | Khanyile | | | |
| Authorities | Department of Mineral and Resources | Mr | Rudzani | Mabogo | | | |
| Authorities | Department of Water Affairs | Mr | Rens | Botha | | | |
| Authorities | Department of Water Affairs | Mr | Paul | Herbst | | | |
| Authorities | Department of Water Affairs | Mr | Marius | Keet | | | |
| Authorities | Department of Water Affairs | Mr | Trevor | Khoza | | | |
| Authorities | Department of water Affairs | Mr | Phillimon | Khwinana | | | |
| Authorities | Department of Water Affairs | Mr | Seef | Rademeyer | | | |
| Authorities | Department of Water Affairs | Mr | Schwab | Rodrick | | | |
| Authorities | Department of Water Affairs | Mr | Pieter | Viljoen | | | |
| Authorities | Department of Water Affairs | Mr | Jurgo | Van Wyk | | | FORMALLY REGISTERED |
| Authorities | Gauteng Department of Agriculture and Rural Development | Mr | Matimba | Baloyi | | | |
| Authorities | Gauteng Department of Agriculture and Rural Development | Mr | Itholeng | Benedict | | | |
| Authorities | Gauteng Department of Agriculture and Rural Development | Mr | Mafu | Nkosi | | | |
| Authorities | Gauteng Department of Agriculture and Rural Development | Mr | Peter | Mills | | | |
| Authorities | Gauteng Department of Agriculture and Rural Development | Mr | Keneuoe | Segele | | | |
| Authorities | Johannesburg Heriage Trust | Mr | Neil | Fraser | | | |
| Authorities | Johannesburg Road Agency | Ms | Joan | Mnisi | | | |
| Authorities | Provincial Heritage Resource Authority | Ms | Elsabe | Brink | | | |
| Authorities | South Africa Heritage Resources Agency | Mr | Phillip | Hine | | | |
| Authorities | South Africa National Roads Agency | Mr | Johan | Bruwer | | | |
| Authorities | Department of Rural Development and Land Reform | Ms | Lilly | Mathunyane | Case Officer Land Claims | | |
| Local Authorities | Ekurhuleni Local Municipality | Mr | Khaya | Ngema | City Manager | | |
| Local Authorities | Ekurhuleni Local Municipality | Ms | Elsabeth | Van der Merwe | Executive Manager | Strategic Environmental Department | |
| Local Authorities | Ekurhuleni Local Municipality | Ms | Annamarie | Maurizi | Water Quality Manager (North East) | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Thapelo | Ramaboea | | | |

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|-------------------------------|-------------------------------------------------------------------------------------------|-------|-------------|-------------|--------------------------------|------------------------|---------------------|
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Machalla | Ramaboea | | | |
| Local Authorities | Johannesburg Metropolitan Municipality | Mr | Freddie | Letsoko | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Ms | Tania | Campbell | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Clr | Michael | Kriek | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Johan | Koekemoer | Manager | Environmental health | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Anthony | Kesten | | | |
| Local Authorities | Ekurhuleni metropolitan Municipality | Ms | Vuyelwa | Mabena | | Environmental Services | |
| Local Authorities | Ekurhuleni District Municipality | Mr | Manus | Luies | | | |
| Local Authorities | Ekurhuleni metropolitan Municipality | Mr | Lungile | Nxiba | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Jerry | Chaka | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Barend | Deminey | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Pieter | Gobler | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Siindokuhle | Hadebe | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Ivan | Kadungure | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Anthony | Kesten | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Miss | Lise | Kleinhans | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Moses | Maliba | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Anthony | Mulder | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Ms | Judith | Ndebele | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Mthokozisi | Nkosi | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Smuts | Marais | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Ms | Sonia | Mathodini | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Nthokozisi | Nkosi | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Ms | Cecilia | Rakgaole | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Ms | Miemie | Van Malitz | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Ms | Lusanda | Mtolo | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Themba | Moganseli | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Aubrey | Mokgosi | | | |
| Local Authorities | Ekurhuleni Metropolitan Municipality | Mr | Bernard | Williamson | | | |
| Local Authorities | Ekurhuleni Ratepayers Association & Environ & Conservation Association's people | Mr | Nicole | Barlow | | | |
| Local Authorities | CLR Ward 88 | Mr | Wally | Labuschagne | | | FORMALLY REGISTERED |
| Farmer's Association | Portuguese Farmers | Mr | R.S | Da Costa | | | |
| Farmer's Association | Portuguese Forum | Mr | Jorge | Martins | | | |
| Farmer's Association | Agri-SA | Mr | Nic | Opperman | Director | | |
| Farmer's Association | Transvaal Agricultural Union | Mr | Benny | Van Zyl | | | |
| Farmer's Association | Viewpoint Farming | Mr | Peter | Luiz | | | |
| Directly Affected Landowners | Grootvlei Property Mines Ltd Grootvaly AH-Portion 100,101,102,99 Grootvaly 124-IR RE | Mr | Johan | Botha | | | |
| Directly Affected Landowners | Grootvlei Property Mines Ltd Grootvaly AH-Portion 100,101,102,99 Grootvaly 124-IR RE | Mr | Deon | Botha | | | |
| Directly Affected Landowners | Gauteng provincial government Grootvaly AH-Portion 103,95,96,97,98 | Ms | Karabo | Mohlala | secretary to the DDG | | |
| Directly Affected Landowners | Mayborn INV 75 Pty Ltd Grootvaly AH-Portion 105 | Mr | CF | De Wet | Liquidator | | |
| Directly Affected Landowners | Paterson Management(Pty)Ltd Palmietkuilen241-IR-Portion 9 | Mrs | Carrol | Boulah | | | FORMALLY REGISTERED |
| Directly Affected Landowners | Jacobs & Seuns Landgoed CC Grootvaly 124-IR-Portion 17 | Mrs | Jackie | Jacobs | | | FORMALLY REGISTERED |
| Directly Affected Landowners | Largo PROP (pty) Ltd Grootvaly 124-IR-Portion 31 | Mr | Stefano | Darrigo | | | |
| Directly Affected Landowners | City Council of Springs(Ekurhuleni Metropolitan Municipality) Grootvaly 124-IR-Portion 19 | Mr | Ivan | Kudungure | City Planning | | |
| Indirectly Affected Landowner | SAPPI Manufacturing (Pty) Ltd Geduld 123-IR - Portion 84 | | Renee | Van Hoeve | Regional Environmental Manager | | |
| Indirectly Affected Landowner | City Council of Springs (Ekurhuleni Metropolitan Municipality) | Mr | Ivan | Kadungure | City Planning | | |
| Indirectly Affected Landowner | Namutoni Boerdery (Pty) Ltd Grootvaly 124-IR - Portion 13 | Mr | Thinus | Van Dyk | | | FORMALLY REGISTERED |

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|--------------------------------------------|---------------------------------------------------------------------------------------|-------------|-------------------------|-----------------------|----------------------------|---------------|---------------------|
| | JM Property and Mineral Rights Consultants | Mr | Johann | Minnaar | | | FORMALLY REGISTERED |
| Indirectly Affected Landowner | Steynol (Pty) Ltd Grootvaly 124-IR - Portion 21 | Mr | Kobus (J F) | Rothmann | Technical Services Manager | | |
| | Steynol (Pty) Ltd Grootvaly 124-IR - Portion 21 | Ms | Liza (works with Kobus) | Mills | | | |
| Indirectly Affected Landowner | Grootvaly 124-IR - Portion 28 | Mr | Nico | Nel | | | |
| Indirectly Affected Landowner | Grootvaly 124-IR - Portion 29 | Mr | Ryno & Merle | Van Blerk | | | FORMALLY REGISTERED |
| Indirectly Affected Landowner | SAURON INV PTY LTD Grootvaly 124-IR - Portion 32 | | | SAURON INV PTY LTD | | | |
| Indirectly Affected Landowner | Transnet (Pty) Ltd Geigerie 238-IR - Portion 30 | Mr | Todin | Dube | SHE and Compliance Manager | | |
| Indirectly Affected Landowner | Mayborn INV 75 Pty Ltd Grootvaly AH - Portion 106 | Mr | CF | Dewet | Liquidator | | |
| Indirectly Affected Landowner | Selection Bulb & Flower Farms (Pty) Ltd Grootvaly AH - Portion 115, 28, 34, 35, 36 | Mr & Mrs | Thomas & Maria | Janse van Vuuren | | | |
| Indirectly Affected Landowner | Grootvaly AH - Portion 16 | Mrs | Candice | Duncan | | | |
| Indirectly Affected Landowner | Grootvaly AH - Portion 1 | Mr & Mrs | Carl & Shirley | Barnard | | | |
| Resident | Manjoh Ranch | Mr | Tony | Da Costa | | | FORMALLY REGISTERED |
| Landowner as part of Fatal Flow | EXXARO BASE METALS PTY LTD | Dr | Joseph | Matjila | Environmental Manager | | |
| Landowner as part of Fatal Flow | Society for the Prevention of Cruelty to Animals -Springs | Ms | Celest | Kleyn | Manager | | |
| Landowner as part of Fatal Flow | Stable Inn 2 Pty Ltd | Ms | Matty | Pretorious | | | |
| Landowner as part of Fatal Flow | Impala platinum Ltd | Ms | Karina | Beukes | Environmetal Manager | | |
| Landowner as part of Fatal Flow | Corobrik (Pty) Ltd | Mr | David | Matlou | Director | Manufacturing | |
| Landowner as part of Fatal Flow | Corobrik (Pty) Ltd | Mrs | Kubashnee | Enoch | Geologist | | |
| Resident | | Ms | Yolandi | Hills | | | |
| Resident | Duplooy's Transport | Mnr | Doep | Du Plooy | | | FORMALLY REGISTERED |
| Resident | | Mrs | M | Ferreira | | | |
| Landowner part of the previous AMD Project | | Mr | Robert | Gassmann | | | |
| Landowner part of the previous AMD Project | Steynol (Pty) Ltd | | | | | | |
| Landowner part of the previous AMD Project | | Ms | Mary | Reynolds | | | FORMALLY REGISTERED |
| Landowner part of the previous AMD Project | | Ms | Ronnie | Newby | | | |
| Landowner part of the previous AMD Project | | Mr | Bill Ross | Adams | | | |
| Landowner part of the previous AMD Project | | Mr | Ian | Pinkerton | | | |
| Landowner part of the previous AMD Project | | Ms | Tracy | Havinga | | | |
| Landowner part of the previous AMD Project | | Mr | Rob | Taylor | | | |
| Landowner part of the previous AMD Project | | Mr | RS | Da Costa | | | |
| Landowner part of the previous AMD Project | Geduld Farm | Mr | G | Kanjee | | | |
| Landowner part of the previous AMD Project | Guvon Farms | Mr | Leon | Bosch | | | |
| Landowner part of the previous AMD Project | Portugese Forum | Mr | Jorge | Martins | | | |
| Landowner part of the previous AMD Project | | Ms | Brenda | Morris | | | FORMALLY REGISTERED |
| Landowner part of the previous AMD Project | Viewpoint Farming | Mr | Peter | Luiz | | | |
| Landowner part of the previous AMD Project | Vlei Consult | Mr | Jacques | Meintjies | | | |
| Landowner part of the previous AMD Project | | Mr | Bill Ross | Adams | | | |
| Landowner part of the previous AMD Project | | Ms | Terry | Baker | | | |
| Landowner part of the previous AMD Project | | Mr | Manuel | Da Costa | | | |
| Landowner part of the previous AMD Project | | Mr | Amdre | Da Costa | | | |
| Landowner part of the previous AMD Project | | MS | Judy | Fuchs | | | |
| Landowner part of the previous AMD Project | | Mr | Matthew | Havinga | | | |
| Landowner part of the previous AMD Project | | Ms | Tracy | Havinga | | | |
| Landowner part of the previous AMD Project | | Mr | Alta | Hoffman | | | |
| Landowner part of the previous AMD Project | | Mr | Ria | Jacobs | | | |
| Landowner part of the previous AMD Project | | Miss | Brian | Johnson | | | |
| Landowner part of the previous AMD Project | | Mr | Sam | Khoza | | | |
| Landowner part of the previous AMD Project | | Ms | D | Klonaries | | | |

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|--------------------------------------------|-------------------------------------------------------------------------------|-------|------------|---------------|----------------------------|----------|---------------------|
| Landowner part of the previous AMD Project | | Mr | Johan | Labuschagne | | | FORMALLY REGISTERED |
| Landowner part of the previous AMD Project | | Mr | R.A | Lavers | | | |
| Landowner part of the previous AMD Project | | Ms | Jaqui | Mcknight | | | |
| Landowner part of the previous AMD Project | | Mrs | Mary | Reynolds | | | |
| Landowner part of the previous AMD Project | | Ms | Ashley | Rutherford | | | |
| Landowner part of the previous AMD Project | | Mr | Rob | Taylor | | | |
| Landowner part of the previous AMD Project | | Dr | Anthony | Turton | | | |
| Landowner part of the previous AMD Project | | Ms | Carina | Burger | Environmental Manager | | |
| Landowner part of the previous AMD Project | | Mr | Jan | Van den Berg | | | |
| Industry and Commerce | Greater-Boksburg Chamber of Commerce and Industry | Mr | Willi | Riedel | President | | |
| Industry and Commerce | Transnet Ltd | Mr | Todin | Dube | SHE and Compliance Manager | | |
| Industry and Commerce | Aqualytic | Ms | Roelin | Keet | | | |
| Industry and Commerce | Anglo Gold Ashanti | Mr | Malcom | Sutton | | | |
| Industry and Commerce | Anglo Gold Ergo | Mr | Hennie | Geldenhuis | | | |
| Industry and Commerce | Sappi SHEQ | Mrs | Karin | Pretorius | | | |
| Industry and Commerce | Crown Gold Recoveries | Mr | Louis | Kleyhans | | | |
| Industry and Commerce | Gold One International Limited | Mr | Richard | Stewart | | | |
| Industry and Commerce | DRD Gold | Mr | Greg | Ovens | | | FORMALLY REGISTERED |
| Industry and Commerce | DRD Gold | Mr | Henry | Gouws | | | |
| Industry and Commerce | DRD Gold | Mr | Jaco | Schoeman | | | |
| Industry and Commerce | Exxaro Zincor | Mr | Charl | Van der Merwe | | | FORMALLY REGISTERED |
| Industry and Commerce | Fifth Season Investments 99 (Pty) Ltd Educated Risk, Grootvlei Homeowners Ass | Mr | Nico | Nel | | | |
| Industry and Commerce | Gold Field | Mr | Delareze | Joubert | | | |
| Industry and Commerce | Gold One International Ltd/New Kleinfontein Gold Min(Pty) Ltd-ModderEastMine | Mr | Wouter | Hamman | | | |
| Industry and Commerce | Gold One International Limited-Gold One Modder East Operation | Mr | Loselo | Segwe | | | |
| Industry and Commerce | Gold One International Limited/ New Kleinfontein Gold Mine | Mr | Sibusiso | Sidu | | | |
| Industry and Commerce | Gold One International Ltd | Mr | Pierre | Kruger | | | FORMALLY REGISTERED |
| Industry and Commerce | Gold One International Ltd | Mr | Johan | Mouton | | | |
| Industry and Commerce | Gold One International Ltd | Mr | Sibusiso | Sidu | | | |
| Industry and Commerce | Gold One International Ltd/New Kleinfontein Gold Min(Pty) Ltd | Mr | Pierre | Kruger | | | |
| Industry and Commerce | Grootvlei Mine | Mr | Herbie | Trouw | | | |
| Industry and Commerce | Icon Insolvency-Grootvlei Mine | Mr | J | Preez | | | |
| Industry and Commerce | Icon Insolvency for Aurora-Grootvlei Mine | Mr | Johan | Engelbrecht | | | FORMALLY REGISTERED |
| Industry and Commerce | Impala & People for Wildlife | Mr | P.J | Mostert | | | |
| Industry and Commerce | Irene Lea Environmental and Hydrogeology | Ms | Irene | Lea | | | |
| Industry and Commerce | Macsteel Fluidcontrol | Mr | Manie | Du Toit | | | |
| Industry and Commerce | Samancor(Klipriver Forum) | Mr | Jaco | Van wyk | | | |
| Industry and Commerce | Sappi Fine Papers (pty) Ltd | Mr | Frans | Matfield | | | |
| Industry and Commerce | Sappi Southern Africa Limited-Enstra Mill | Mr | Dave | Smith | | | FORMALLY REGISTERED |
| Industry and Commerce | Sappi manufacturing | Mr | Richard | Broodryk | | | |
| Industry and Commerce | Sasol | Mr | Martin | Ginster | | | |
| Industry and Commerce | Sasol Solvents(Klipriver Forum) | Mr | Johan | Duvenhage | | | |
| Industry and Commerce | SATAWU | Mr | Chris | Nkosi | | | |
| Industry and Commerce | Annalien Reality | Ms | Annalien | Burger | | | |
| Industry and Commerce | Aqua Load | Mr | Pierre | Bouwer | | | |
| Industry and Commerce | Lafarge Gypsum Division | Mr | Hannes | Van der Walt | | | |
| Industry and Commerce | Lime-Chem (Pty) Ltd | Mrs | JM | Farrell | | | FORMALLY REGISTERED |
| Industry and Commerce | Lime Chem | Mr | Edward | Bramley | | | |

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| Industry and Commerce | Loch Vaal | Mr | Vicky | Baker | | | |
| Industry and Commerce | Loch Vaal | Mr | Michael | Gaade | | | |
| Industry and Commerce | Loch Vaal | Mr | Gary | Hartsliel | | | |
| Industry and Commerce | Riviera On Vaal | Mr | Leonie | Herselman | | | |
| Industry and Commerce | Riviera On Vaal | Mr | Marthinus | Van Staaden | | | |
| Industry and Commerce | Stable Inn | Mr | Gunte Jacques | Kommer | | | |
| Industry and Commerce | Stable Inn | Mr | B | Pretorius | | | |
| Industry and Commerce | Stuart River Estates | Ms | Kelly | Conradie | | | |
| Industry and Commerce | Stuart River Estates | Mr | Brandon | Stuart | | | |
| Industry and Commerce | The Waterfront Country Lodge | Mr | Sean | Greeff | | | |
| Industry and Commerce | Tiger Chemicals (Klipriver Forum) | Mr | Joseph | Gruber | | | |
| Industry and Commerce | Tox Solutions (Klipriver Forum) | Ms | Hesmarie | Pearson | | | |
| Industry and Commerce | Umthombo Resources/ Steynol (pty) Ltd | Ms | Luvhuwani | Mudau | | | |
| Industry and Commerce | Umthombo Resources/ Steynol (pty) Ltd | Mr | Vuslat | Bayoglu | | | |
| Industry and Commerce | Real Search Environmental & Legal Services | Dr | Shan | Holmes | | | |
| Industry and Commerce | SRK (Klipriver Forum) | Ms | Jacky | Burke | | | |
| Industry and Commerce | SRK Consulting | Ms | Elna | De Beer | | | |
| Industry and Commerce | Patcon | Mr | John | Duncan | | | |
| Industry and Commerce | Western Utilities Corporation | Mr | Bertie | Steyler | | | |
| Industry and Commerce | Witwatersrand Gold Mining Realization Trust | Mr | Neels C | Hoek | | | |
| Industry and Commerce | WRP Consulting Engineers (Pty)Ltd | Mr | Pieter | van Rooyen | | | |
| Industry and Commerce | Springs community Police Forum and Transnet Freight Rail Centre | Mr | A.N | Ngeyane | | | |
| Industry and Commerce | Investment Facility | Mr | Ron | Nel | | | FORMALLY REGISTERED |
| Environmental NGO's | WESSA and Birdlife Africa Free State Province Representative | Mr | John | Wesson | | | |
| Environmental NGO's | WESSA and Birdlife Africa Free State Province Representative | Ms | Cathleen April | Okaye | | | |
| Environmental NGO's | WESSA and Birdlife Africa Free State Province Representative | Mr | Aluwani | Khuswana | | | |
| Environmental NGO's | WESSA and Birdlife Africa Free State Province Representative | Mr | Rudzani | Nemukula | | | |
| Environmental NGO's | WESSA and Birdlife Africa Free State Province Representative | Ms | Lerato | Tau | | | |
| Environmental NGO's | Endangered wildlife Trust (EWT) | Ms | Yolanda | Friedmann | | | |
| Environmental NGO's | Endangered wildlife Trust (EWT) | Ms | Karryn | Morrison | | | |
| Environmental NGO's | World Wildlife Fund SA (WWF) | Ms | Ziyanda | Mfanta | | | |
| Environmental NGO's | Earthlife Africa | Ms | Rachel | Adatia | | | |
| Environmental NGO's | Earthlife Africa | Ms | Judith | Taylor | Branch Coordinator | | |
| Environmental NGO's | Federation of Sustainable Environment (FSE) | Mr | Koos | Pretorius | | | |
| Environmental NGO's | Federation of Sustainable Environment (FSE) | Ms | Mariette | Liefferink | CEO | | FORMALLY REGISTERED |
| Environmental NGO's | Bosmont-Region | Mr | Mark | Biggars | | | |
| Environmental NGO's | WESSA | Mr | Lemson | Betha | Environmental Coordinator | | |
| Environmental NGO's | Birdlife SA | Mr | Simon | Gear | Policy & Advocacy Manager | | FORMALLY REGISTERED |
| Environmental NGO's | Birdlife SA | Mrs | Carolyn | Ah Shene Verdoorn | | | |
| Environmental NGO's | WESSA-Nigel | Mr | Stan | Madden | | | |
| Environmental NGO's | Save the Vaal Environment | Mr | Trevor | Stubbs | Chairman | | FORMALLY REGISTERED |
| Environmental NGO's | Save the Vaal Environment | Ms | Maureen | Stewart | | | |
| Environmental NGO's | Working for Wetlands | Mr | Thomani | Manungufala | | | |
| Environmental NGO's | Earthlife | Ms | Makoma | Lekalaka | | | |
| Environmental NGO's | Earthlife | Mr | Israel | Mosala | | | |
| Environmental NGO's | Earthlife | Ms | Judith | Taylor | | | |
| Environmental NGO's | Endangered wildlife Trust (EWT) | Mr | Mike | Brucher | | | |
| Environmental NGO's | Endangered wildlife Trust (EWT) | Ms | Yolanda | Friedmann | | | |

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|------------------------------|--------------------------------------------------|-------|--------------|------------|-----------------------|----------|---------------------|
| Environmental NGO's | Wildlife and Environment Society of South Africa | Ms | Christine | Colvin | | | |
| Environmental NGO's | Wildlife and Environment Society of South Africa | Ms | Karen | Marx | | | |
| Environmental NGO's | Wildlife and Environment Society of South Africa | Mr | Mike | Severin | | | |
| Environmental NGO's | Wildlife and Environment Society of South Africa | Mr | John | Wesson | | | |
| Environmental NGO's | Gauteng Observatory | Ms | Kerry | Bobbins | | | |
| Environmental NGO's | Gauteng Observatory | Ms | Maryna | Storie | | | |
| Environmental NGO's | GDARD(Marievale Bird Sanctuary) | Mr | Mpfareleni | Mashau | | | |
| Environmental NGO's | Life Waverly Centre | Ms | Annatjie | Geldenhuys | phone does not exist | | |
| Environmental NGO's | Legal Resources Centre | Mr | Naseema | Fakir | | | |
| Environmental NGO's | SANBI | Mr | Umesh | Bahadur | | | |
| Environmental NGO's | SANBI | Mr | John | Dini | | | |
| Environmental NGO's | SANBI | Ms | Mandy | Driver | | | |
| Environmental NGO's | SANBI | Mr | Namhwa | Mbona | | | |
| Environmental NGO's | Save the Vaal Environment | Mr | Thomas | Du Toit | | | |
| Environmental NGO's | South Africa Human Rights Commission | Mr | Pandelis | Greogriou | | | |
| Environmental NGO's | South Africa Human Rights Commission | Ms | Angela | Kariuki | | | |
| Environmental NGO's | South Africa Human Rights Commission | Ms | Janet | Love | | | |
| Environmental NGO's | South Africa Human Rights Commission | Ms | Motshabi | Moemise | | | |
| Environmental NGO's | South Africa Human Rights Commission | Mr | Yuri | Ramkissoo | | | |
| Environmental NGO's | South africa Irrigation Institute(SABI) | Mr | Cobus | Nienaber | | | |
| Environmental NGO's | South africa Irrigation Institute(SABI) | Mr | Cobus | Nienaber | | | |
| Environmental NGO's | WESSA | Mr | Michael John | Severin | | | |
| Environmental NGO's | Vaal Environmental Justice Alliance | Mr | Phineas | Malapela | | | |
| Environmental NGO's | Vaal Environmental Justice Alliance | Mr | Sam | Mokoena | | | |
| Community Based Organisation | Grootvlei Development Organisation | Mr | Peter | Kompie | | | |
| Community Based Organisation | Grootvlei Development Organisation | Mr | James | Mqanyane | | | |
| Community Based Organisation | Grootvlei Development Organisation | Mr | Jan Moshodi | Rigale | | | |
| Community Based Organisation | Grootvlei Development Organisation | Mr | Trevor | Myeni | Miner | | |
| Community Based Organisation | Grootvlei Farm | Mr | M | Jacobs | | | |
| Community Based Organisation | Grootvlei Development Organisation (GDO) | Mr | Shadrack | Funde | | | |
| Community Based Organisation | Grootvlei Development Organisation (GDO) | Mr | Potor | Kompie | | | |
| Community Based Organisation | People of wildlife | Mr | PJ | Mostert | | | |
| Agriculture | Afriforum | Mr | Gert | Parsons | | | |
| Agriculture | Agri Liaison | Mr | Gerhard | Botha | | | |
| Agriculture | Agri Liaison | Mr | Braam | Du Plessis | | | |
| Agriculture | Agri-SA | Mr | Dirk | Hanekom | | | |
| Agriculture | Agri-SA | Mr | Nic | Opperman | | | |
| Agriculture | Consol Limited(klipriver) | Mr | John | Broom | | | |
| Labour Structure | COSATU | Ms | Lebo | Khumalo | | | |
| Labour Structure | National Union of Mine Workers | Mr | Jiba | Ncube | | | |
| Labour Structure | National Union of Mine Workers | Mr | Frans | Beleni | | | |
| Labour Structure | Solidarity | Mr | | Andre | | | |
| Statutory Bodies | SA Human Rights Commission | Ms | Janet | Love | | | |
| Statutory Bodies | National Planning Commission | | Mike | Muller | | | FORMALLY REGISTERED |
| Statutory Bodies | Chamber of Mines | Ms | Stephinah | Mudau | Environmental advisor | | |
| Statutory Bodies | Chamber of Mines | Ms | Nikisi | Lesufi | | | |
| Statutory Bodies | Council for Geo Science | Mr | Leslie | Strachan | | | |
| Statutory Bodies | CSIR | Ms | Bettina | Genthe | | | |

| Category | Department | Mr/Ms | First Name | Last Name | Position | Division | Formally Registered |
|---------------------------------------|----------------------------------------------------------|-------|------------|-------------|------------------------------|----------|---------------------|
| Statutory Bodies | CSIR | Mr | Phil | Hobbs | | | |
| Statutory Bodies | CSIR | Dr | Paul | Oberholster | | | |
| Library | Springs Public Library | Mrs | | Van Aswegen | | | |
| Library | Bakerton Library | Ms | Sive | Gaqa | | | |
| Library | Jerry Moloi Community Library | Mr | Joseph | Thubana | | | |
| Conservation Area | Kromdraai, Marievale Wetland (Ramsar site) | Mr | Mpfareleni | Mashau | | | |
| Conservation Area | Grootvaly Blesbokspuit (Springs) | Mr | Michael | Hood | Reserve Manager | | |
| Conservation Area | GDARD (Marievale Bird Sanctuary) | Mr | Mpfareleni | Mashau | | | |
| Conservation Area | Vredefort Dome Conservancy | | | | | | |
| Conservation Area | Gauteng River Health Programme | Mr | Piet | Muller | | | |
| Conservation Area/Attorneys | Trustee of Blesbokspuit and Grootvaly Conservation Trust | Mr | Philip | De Jager | | | FORMALLY REGISTERED |
| Water Utilities | Rand Water | Mr | Marc | De Fontaine | Senior Water Quality Advisor | | |
| Water Utilities | Rand Water | Ms | Lelethu | Bungu | Water Quality Specialist | | |
| Water Utilities | East Rand Water Care Company (ERWAT) | Mr | Louwetjie | Engelbrecht | | | |
| Water Utilities | East Rand Water Care Company (ERWAT) | Mr | C. L. | Engelbrecht | | | |
| Water Utilities | East Rand Water Care Company (ERWAT) | Dr | Ziboneni G | Godongwana | | | |
| Water Utilities | East Rand Water Care Company (ERWAT) | Mr | Giepie | Hefer | | | |
| Water Utilities | East Rand Water Care Company (ERWAT) | Mr | Jacobus | Wilken | | | |
| Water Utilities | ERWAT | Mr | G | Hefe | | | |
| Water Utilities | East Rand Water Care Company (ERWAT) | Mr | Louwetjie | Engelbrecht | | | |
| Water Utilities | Water Research Commission | Dr | Schafic | Adams | | | |
| Water Utilities | Water Research Commission | Dr | Jo | Burgess | | | |
| Water Utilities | Water Research Commission | Ms | Eiman | Karar | | | |
| Water Utilities | Rand Water (Vaal Barrage Catchment Executive) | Dr | Chris | Viljoen | | | |
| Water Utilities | Randwater | Mr | Kaajjal | Durgapersad | | | |
| Water Utilities | Randwater | Mr | Peter | Hoge | | | |
| Water Utilities | Randwater | Mr | Jordan | Jordan | | | |
| Water Utilities | Johannesburg Water | Mr | Alastair | Galt | | | |
| Water Utilities | Johannesburg Water (Klipriver Forum) | Mr | Jones | Mnisi | | | |
| Water Utilities | Joint Water Forum | Mr | Ilma | Brink | | | |
| Water Utilities | Joint Water Forum & Anglo American Platinum | Mr | Bertus | Bierman | | | |
| Water Utilities | Kliptown Environmental Reference Group (Klipriver Forum) | Mr | John | Legoale | | | |
| Water Utilities | Henley Conservancy (Klipriver forum) | Mr | Jim | Dickens | | | |
| Education | Vaal University of Technology | Mr | Ochieng | Aotl | | | |
| Education | University of the Witwatersrand | Mr | Terence | McCarthy | | | |
| Education | North West University | Prof | Johann | Tempelhoff | | | |
| Education | University of the Witwatersrand | Mr | May | Hermanus | | | |
| Education | Vaal University of Technology | Mr | Jan | Jooste | | | |
| Education | Vaal University of Technology | Mr | Prenaven | Reddy | | | |
| Education | Vaal University of Technology | Mr | Peter | Stegmann | | | |
| Blesbokspuit River Forum Stakeholders | Andrew Barker Development Consultant | Mr | Andrew | Barker | | | FORMALLY REGISTERED |
| Blesbokspuit River Forum Stakeholders | Lonmin Platinum | Ms | Rene | Booyesen | | | FORMALLY REGISTERED |
| Blesbokspuit River Forum Stakeholders | Gauteng Conservancy Association (GCA) | Mr | Bob | Dehning | | | |
| Blesbokspuit River Forum Stakeholders | Karan Beef | Mr | Bart | Olickers | | | FORMALLY REGISTERED |
| Blesbokspuit River Forum Stakeholders | Karan Beef | Dr | Johann | Van Niekerk | | | FORMALLY REGISTERED |
| Blesbokspuit River Forum Stakeholders | Karan Beef | Ms | Lisa | Pearson | | | FORMALLY REGISTERED |
| Blesbokspuit River Forum Stakeholders | Irene Lea Consulting | Ms | Irene | Lea | | | |
| Blesbokspuit River Forum Stakeholders | Hillside Farm | Mr | Steve | Lurie | | | |

| Category | Department | Mr/Ms | First Name | Last Name | Position | Division | Formally Registered |
|----------------------------------------|--------------------------------------------|-------|------------|------------|-----------------|----------|---------------------|
| Blesbokspruit River Forum Stakeholders | GDACE | Mr | Piet | Muller | | | |
| Blesbokspruit River Forum Stakeholders | Brikkor | Mr | Reid | Murray | | | |
| Blesbokspruit River Forum Stakeholders | Enviroserv | Mr | Britz | Reinders | | | |
| Blesbokspruit River Forum Stakeholders | EcoMonitor cc | Mr | Pieter | Van Eeden | | | |
| Blesbokspruit River Forum Stakeholders | Grootvaly Blesbokspruit Conservation Trust | Mr | Ewald | Meyer | | | |
| Blesbokspruit River Forum Stakeholders | Marievale Bird Sanctuary | Mr | Stan | Madden | | | |
| Political Party | Democratic Alliance | Cllr | Jackie | Reilly | | | |
| Political Party | Democratic Alliance | Mr | Gareth | Morgan | | | |
| Political Party | Democratic Alliance | Ms | Jackie | Reilly | | | |
| Political Party | Democratic Alliance | Cllr | Dian | Stour | | | |
| Media | Media 24 | Ms | Elise | Tempelhoff | | | |
| Media | Mail and Guardian Newspaper | Mr | Zwanga | Mukhuthu | | | FORMALLY REGISTERED |
| Client | AECOM | Mr | Stuart | Seath | Project Manager | | |
| Client | AECOM | Ms | Claire | Hurnell | | | |
| Client | TCTA | Ms | Sophia | Tiale | | | |

***LAND CLAIMS COMMISSIONER
NOTIFICATION***



DIGBY WELLS
ENVIRONMENTAL

Project no.: AEC2588

13 March 2014

Ms Lilly Mathunyane
Department of Rural Development and Land Reform
Land Claims Commission

LAND CLAIMS ENQUIRY: FOR THE PROPOSED SLUDGE DISPOSAL FACILITY AND PIPELINE ASSOCIATED WITH THE TREATMENT OF ACID MINE DRAINAGE IN THE EASTERN BASIN OF WITWATERSRAND GOLD FIELDS, GAUTENG PROVINCE

Dear Ms Mathunyane

AECOM South Africa (Pty) Ltd (AECOM) has been appointed by the Trans-Caledon Tunnel Authority (TCTA) as the Principal Consultant in respect to the implementation of the Short Term Intervention (STI) measures for the treatment of Acid Mine Drainage (AMD). For the treatment of AMD in the Eastern Basin a sludge disposal facility and associated pipeline will be constructed. The project is located within Ekurhuleni Municipality. The environmental impact regulatory process will be conducted according to the National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA) and a waste management licence application process in terms of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008) (NEM:WA). The National Department of Environmental Affairs (DEA) is the competent authority. AECOM has appointed Digby Wells Environmental (Digby Wells) as the independent Environmental Assessment Practitioner (EAP) to conduct the required environmental regulatory processes for the proposed project.

AECOM has appointed Digby Wells Environmental (Digby Wells) as the independent Environmental Assessment Practitioner (EAP) to complete the required environmental regulatory processes for the proposed project.

As part of the Application, Digby Wells would like to enquire if there are any land claims on the following farms, as outlined in table below:

| Farm Name | Portion | Local Municipality | District Municipality |
|-------------------------------------|---------|-------------------------------|--------------------------------------|
| Directly Affected Landowners | | | |
| Grootvaly AH | 100 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 101 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 102 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 103 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 105 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 95 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 96 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 97 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |

Digby Wells and Associates (South Africa) (Pty) Ltd (Subsidiary of Digby Wells & Associates (Pty) Ltd). Co. Reg. No. 2010/008577/07. Fern Isle, Section 10, 359 Pretoria Ave Randburg Private Bag X10046, Randburg, 2125, South Africa
Tel: +27 11 789 9495, Fax: +27 11 789 9498, info@digbywells.com, www.digbywells.com

Directors: A Sing*, AR Wilke, DJ Otto, GB Beringer, LF Koeslag, AJ Reynolds (Chairman) (British)*, J Leaver*, GE Trusler (C.E.O)
*Non-Executive



| Farm Name | Portion | Local Municipality | District Municipality |
|----------------------------|----------------|-------------------------------|--------------------------------------|
| Grootvaly AH | 98 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 99 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Palmietkuilen 241-IR | 9 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly 124-IR | 17 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly 124-IR | R | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly 124-IR | 31 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly 124-IR | 2 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Adjacent Landowners | | | |
| Palmietkuilen 241-IR | 19 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Geduld 123-IR | 84 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly 124-IR | 6 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly 124-IR | 13 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly 124-IR | 21 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly 124-IR | 28 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly 124-IR | 29 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly 124-IR | 32 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Geigerle 238-IR | 30 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 104 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 106 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 115 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 16 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 1 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 28 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 34 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 35 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |
| Grootvaly AH | 36 | Ekurhuleni Local Municipality | Ekurhuleni Metropolitan Municipality |

Should you require additional information please do not hesitate to contact me.

Yours sincerely



Steve Horak

Stakeholder Engagement Office

Digby Wells Environmental

Tel: (011) 789 9495 or Fax: 086 583 5715

Email: steve.horak@digbywells.co.za

Postal Address: Private Bag X 10046, Randburg 2125

***BACKGROUND INFORMATION
DOCUMENT, ANNOUNCEMENT
LETTER, REGISTRATION AND
COMMENT SHEET***



DIGBY WELLS
ENVIRONMENTAL

Project No.: AEC2588

22 May 2014

NOTIFICATION OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION AND WASTE MANAGEMENT LICENCE FOR THE PROPOSED SLUDGE DISPOSAL FACILITY AND PIPELINE ASSOCIATED WITH THE TREATMENT OF ACID MINE DRAINAGE IN THE EASTERN BASIN OF WITWATERSRAND GOLD FIELDS, GAUTENG PROVINCE

DEA REFERENCE NO.: 14/12/16/3/3/111

Dear Stakeholder,

The Trans-Caledon Tunnel Authority (TCTA) was instructed by the National Government through the Minister of Water and Environmental Affairs, to manage AMD generated in the Western, Central and Eastern basins in the Gauteng Province. AECOM South Africa (Pty) Ltd (AECOM) has been appointed by the TCTA as the Principal Consultant in respect to the implementation of the Short Term Intervention (STI) measures for the treatment of Acid Mine Drainage (AMD) in the Eastern Basin of the Witwatersrand. This project is for the construction of a sludge disposal facility and pipeline associated with the treatment of AMD in the Eastern Basin. The project is located within the Ekurhuleni Metropolitan Municipality. Please see the attached Background Information Document (BID) for more information.

The environmental impact assessment process will be conducted according to the National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA) and a waste management licence application process in terms of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008) (NEM:WA). The National Department of Environmental Affairs (DEA) is the competent and decision making authority. AECOM has appointed Digby Wells Environmental (Digby Wells) as the independent Environmental Assessment Practitioner (EAP) to conduct the regulatory EIA processes for the proposed project.

In order to facilitate your participation in the EIA process and to receive further project information, please formally register as an Interested and Affected Party (I&AP) and submit any comments, questions or suggestions that you may have to Digby Wells on fax number: 086 583 5715; email: steve.horak@digbywells.com or vanessa.viljoen@digbywells.com or postal address: Private Bag X10046, Randburg, 2125. You are also welcome to contact us telephonically on (011) 789-9495.

You are welcome to address your comments, concerns or suggestions to Digby Wells through any one of the communication media below:

- By completing the I&AP registration and comment sheet and submitting it to the Digby Wells Stakeholder Engagement Office;
- In writing through a letter or other form of written submission; or
- By email, fax or telephone call to the Stakeholder Engagement office.

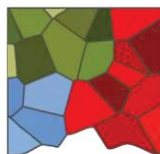
Regards

Steve Horak

Stakeholder Engagement Consultant

Enclosed:

- ***Background Information Document***
- ***Registration and Comment Sheet***



DIGBY WELLS

ENVIRONMENTAL

BACKGROUND INFORMATION DOCUMENT

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED SLUDGE DISPOSAL FACILITY AND PIPELINE ASSOCIATED WITH THE TREATMENT OF ACID MINE DRAINAGE IN THE EASTERN BASIN OF THE WITWATERSRAND GOLDFIELDS, GAUTENG PROVINCE

March 2014

Internal Project Number:
AEC2588

DEA Reference Number:
14/12/16/3/3/3/111

Prepared for:
Trans-Caledon Tunnel Authority (TCTA)

For any project related information please contact:

Digby Wells Environmental – Stakeholder Engagement Office

Steve Horak or Vanessa Viljoen
Tel: (011) 789 9495 or Fax: 086 583 5715

Email:
steve.horak@digbywells.com or vanessa.viljoen@digbywells.com

Website: www.digbywells.com (Public Documents)

Digby Wells and Associates (South Africa) (Pty) Ltd
(Subsidiary of Digby Wells & Associates (Pty) Ltd). Co. Reg. No. 2010/008577/07. Fern Isle, Section 10, 359
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Directors: A Sing*, AR Wilke, DJ Otto, GB Beringer, LF Koeslag, AJ Reynolds (Chairman) (British)*, J
Leaver*, GE Trusler (C.E.O)

*Non-Executive

1 PURPOSE OF DOCUMENT

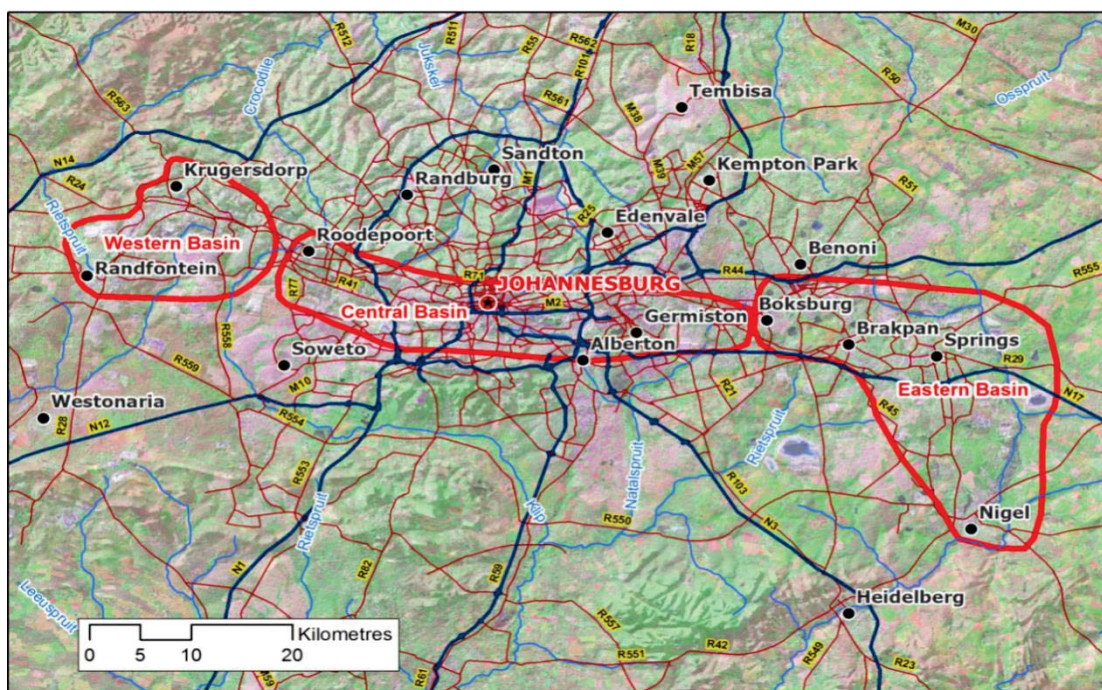
The Trans Caledon Tunnel Authority (TCTA) was instructed by the National Government, through the Minister of Water and Environmental Affairs, to manage Acid Mine Drainage (AMD) generated in the Western, Central and Eastern Basins of the Witwatersrand Gold Field in Gauteng Province. Engineering and environmental solutions for the Western and Central Basins are underway and now management of AMD emanating from the Eastern Basin is required. AECOM South Africa (Pty) Ltd (AECOM) has been appointed by the TCTA as the Principal Consultant in respect to the implementation of the Short Term Intervention (STI) measures for the management of AMD in the Eastern Basin. The Eastern Basin Project will entail a regulatory Environmental Impact Assessment (EIA) process for the construction of a sludge disposal facility and pipelines associated with the treatment of AMD in the Eastern Basin of the Witwatersrand. The EIA process will be conducted according to the National Environmental Management Act, Act 107 of 1998 (NEMA) and a waste management licence application process in terms of the National Environmental Management: Waste Act, Act 59 of 2008 (NEM:WA).

This Background Information Document (BID) has been developed in order to:

- Provide background about the project;
- Share information about the proposed STI measures;
- Provide details about the Public Participation Process (PPP) which will be followed;
- Provide stakeholders the opportunity to become involved in the project; and
- Provide information about the specialist assessments that will be undertaken as part of the EIA.

2 PROJECT BACKGROUND

The Witwatersrand gold mining area is divided into three basins: the Western Basin, Central Basin and Eastern Basin (refer to Plan 1 below). The Eastern Basin is the focus of this project and covers the East Rand area, which includes the towns of Boksburg, Brakpan, Springs and Nigel. The mine lease areas in the Eastern Basin extend over 768 km². The Western Basin covers the Krugersdorp, Witpoortjie and Randfontein areas and extends over 57 km², while the Central Basin extends from Durban Roodepoort Deep (DRD) in the west to the East Rand Proprietary Mines (ERPM) in the east, extending over 251 km².



Plan 1: Locations of the Western, Eastern and Central basins in the Witwatersrand

After more than 120 years of deep level gold mining in the Witwatersrand, mining and dewatering has stopped due to the exhaustion of gold resources. The cessation of dewatering has resulted in progressive flooding of the mine voids since 1997. AMD occurs when ore and/ or waste material, containing sulphides, (e.g. pyrite) are exposed to water and oxygen and thereby increasing the acidity of the water. In order to prevent decant of AMD from these three basins, water levels need to be kept below an Environmental Critical Level (ECL), which are represented as meter above mean sea level (mamsl) and are as follows:

- Western Basin: 1,550 mamsl;
- Central Basin 1,467 mamsl; and
- Eastern Basin: 1,280 mamsl.

Through intervention by the Department of Water Affairs, the capacity of the AMD water treatment facility in the Western Basin was increased in 2013. The Central Basin is expected to decant in 2014, and engineering and environmental solutions for the Central Basin are underway and it is anticipated that treatment of AMD in the Central Basin will commence in April / May 2014. It is now required to commence with treatment of AMD emanating from the Eastern Basin. The Eastern Basin is not decanting but is expected to reach the ECL in 2015. Similar measures for AMD treatment, as per the Central and Western Basins are envisaged, that is, the construction of High Density Sludge (HDS) treatment plant where acid water is treated with lime and neutralised water discharged, with the residual sludge pumped to a storage facility. The primary sludge stream is expected to contain a metal hydroxide sludge, with some gypsum.

In January 2012, the Department of Environmental Affairs (DEA) granted exemption for the abstraction of AMD from Grootvlei Shaft 3, the construction and operation of the HDS Plant and neutralised water pipeline for discharge into the Blesbokspruit. This exemption did not include for the construction of a new sludge disposal site and associated pipeline. As a result, a full environmental authorisation process will need to be followed for the construction of the sludge disposal facility in the Eastern Basin and aligned with the requirements of the NEMA and NEM:WA regulatory process.

3 PROJECT DESCRIPTION

This proposed Project is limited to the consideration of the sludge disposal site and associated pipeline for STI measures required for the management of AMD within the Eastern Basin of the Witwatersrand. Although the scope of this project is limited to the sludge disposal method for the STI measures for the Eastern Basin, consideration will be given to the land requirements for the disposal of sludge and brine associated with the Long Term Intervention (LTI) measures. The STI measures are described below.

3.1 Short Term Intervention Measures for the Eastern Basin

The proposed HDS plant for the treatment of AMD generated from the Eastern Basin will be constructed at the Grootvlei Mine Shaft No. 3 about 4.6 km east of the Springs Central Business District (CBD). The site is accessible via the R29 Ermelo Road and Grootvaly Road through the suburb of Casseldale (refer to *Plan2*). The activities associated with the STI measures will include:

- Abstraction of AMD via installed pumps in the Grootvlei No. 3 shaft at a pump depth to achieve the ECL level outlined above;
- Construction of a new HDS treatment plant adjacent to the Grootvlei No. 3 shaft;
- Construction of a neutralised water pipeline to a suitable discharge point along the Blesbokspruit; and
- Construction of a waste sludge pipeline to link the proposed HDS plant to preferred new sludge disposal site.

As indicated above, in light of the exemption issued, the scope of this EIA process is limited to the construction of the proposed sludge disposal site and associated pipelines. The following two potential sludge disposal sites (as reflected in Plan 2 below), are being considered for detailed impact assessment:

- Grootvlei 6L16; and
- Largo Site 4.



Plan 2: Potential Sludge Disposal Sites in the Eastern Basin: Locality Map

The EIA will entail the following:

- Compilation of an integrated Application Form;
- Detailed specialist studies on the preferred and alternative sites;
- Conduct a Scoping and EIA process (in terms of the NEMA and NEM:WA); and
- All necessary public participation.

Detailed Project Description for EIA Process

The focus of this EIA process is limited to the construction of a sludge disposal facility and associated underground pipelines. A total extent of 30 hectares will be required to dispose of the 1.75 million m³ of STI sludge over a maximum of 8 years. The total height of the proposed sludge disposal facility is not expected to exceed 14 m.

Two underground pipelines will be constructed, adjacent to and parallel to each other, and extend from the proposed HDS Plant to the sludge disposal facility, within the same pipeline corridor. The pipelines will have an internal diameter of no more than 300 mm. The one pipeline will be used for the pumping of sludge from the HDS Plant to the proposed sludge disposal site, whereas the second pipeline will be used as a return water pipeline. The return water pipeline will send excess water from the proposed sludge disposal site back to the HDS plant. The proposed pipelines are expected to run, where possible, in existing pipeline servitudes or alternatively land will be expropriated in a servitude width of approximately 10 m. The detailed description of the proposed sludge disposal sites and associated pipelines is presented below.

Grootvlei 6/L/16

The proposed Grootvlei 6/L/16 sludge disposal site is located on an existing tailings facility. A pipeline length of approximately 1 km will be constructed from the HDS plant proposed at Grootvlei Shaft 3 to the proposed Grootvlei 6/L/16 disposal site. The proposed pipelines will run parallel to existing railway servitudes and towards the Grootvlei 6/L/16 Site. The return water pipeline will follow the same pipeline corridor.

Largo Site 4

The proposed Largo Site is located between the Blesbokspruit and Aston Lake, on an area zoned as agricultural land. A pipeline length of approximately 2 km will be constructed from the HDS plant proposed at Grootvlei Shaft 3 to the proposed sludge disposal site. From the Grootvlei Mine Shaft No. 3, the proposed pipelines will run parallel along Van Niekerk Road in an easterly direction, crossing the Blesbokspruit on an existing bridge structure until it reaches the proposed sludge disposal facility. The return water pipeline will follow the same pipeline corridor.

3.2 Long Term Intervention Measures for the Eastern Basin

The LTI measures for the Eastern Basin will likely include a desalination process to treat AMD emanating from region. The process of desalination would likely result in the production of brine, and will thus require evaporation dams for associated treatment and management. It must be noted that the LTI measures do not form part of this Project, but rather cognizance is taken (where possible) of its land requirements for disposal of sludge for long term integrated planning purposes.

4 LEGISLATION

For the proposed project, the following needs to be completed in order to adhere to the required legislation:

- Environmental Authorisation process in terms of the NEMA; and
- A Waste Management Licence Application process in terms of the NEM:WA.

An integrated application in terms of the listed activities has been compiled and submitted to the National DEA for review and to issue an EIA Reference Number to officially commence with the regulatory process.

4.1 Project listed Activities

For the proposed STI measures, the NEMA and NEM:WA listed activities applicable to the proposed project are presented in the tables below.

Table 1: NEMA Listed Activities

| Indicate the number and date of the relevant notice: | Activity No (s) (in terms of the relevant notice): | Describe each listed activity as per the detailed project description (and not as per wording of the relevant Government Notice): |
|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GN R544 – Listing Notice 1: List of Activities Identified in Terms of Sections 24(2) and 24D for which a Basic Assessment Process is required. | 9: The construction of facilities or infrastructure exceeding 1000 metres in length for the bulk transportation of water, sewage or storm water – <ul style="list-style-type: none"> i. With an internal diameter of 0.36 metres or more; or ii. With a peak throughput of 120 litres per second or more, Excluding where: <ul style="list-style-type: none"> a) Such facilities or infrastructure are for bulk transportation of water, sewage or storm water or storm water drainage inside a road reserve; or b) Where such construction will occur within urban areas but further than 32 metres from a watercourse, measured from the edge of the watercourse. | Pipelines will be constructed for the transportation of sludge from the proposed HDS plant to the proposed sludge disposal site and a return water pipeline will be constructed. |
| | 11: The construction of: <ul style="list-style-type: none"> i. Canals; ii. Channels; iii. Bridges; iv. Dams v. Weirs vi. Bulk storm water outlet structures; vii. Marinas; viii. Jetties exceeding 50 square metres in size; ix. Slipways exceeding 50 square metres in size; x. buildings exceeding 50 square meters in size; or xi. Infrastructure or structures | The proposed pipeline route will cross watercourses on route to the proposed sludge disposal site. |

| Indicate the number and date of the relevant notice: | Activity No (s) (in terms of the relevant notice): | Describe each listed activity as per the detailed project description (and not as per wording of the relevant Government Notice): |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| | <p>covering 50 square metres or more</p> <p>where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</p> | |
| <p>GN R545 - Listing Notice 2: List of Activities Identified in Terms of Sections 24(2) and 24D for which Scoping and an Environmental Impact Assessment is Required.</p> | <p>5:</p> <p>The construction of facilities or infrastructure for any process or activity which requires a permit or license in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent and which is not identified in Notice No. 544 of 2010 or included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case that Act will apply.</p> | <p>The disposal of sludge will require a license in terms of the NEM:WA</p> |

Table 2: NEM:WA Listed Activities

| Description of NEMWA Notice | Activity No (s) (in terms of the relevant notice): | Description of Activity |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>GN R912 - Category B: List of waste activities identified in terms of Section 24 (5) for which an Environmental Impact Assessment is Required.</p> | <p>Activity No.8:</p> <p>The disposal of general waste to land covering an area in excess of 200m² and with a total capacity exceeding 25 000 tons.</p> | <p>The disposal of general waste of approximately 208.5 tons of general waste per day on the proposed sludge disposal site, which is greater than 200 m².</p> |

5 SPECIALIST STUDIES

The specialist assessments proposed for the EIA process will cover the following disciplines:

- Air Quality Assessment
- Groundwater Assessment
- Fauna and Flora Assessment
- Heritage Assessment

-
- Social Assessment
 - Surface Water Assessment
 - Wetlands and Aquatics Assessments
 - Legal Review
 - Soil Assessment
 - Topography and Visual Assessment
 - Noise Assessment
 - Stakeholder Engagement

6 PUBLIC PARTICIPATION PROCESS

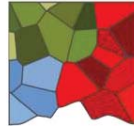
All stakeholders who may be affected by or interested in the proposed project should formally register as an Interested and Affected Party in order to become involved in the EIA and PPP. The following anticipated dates are important to note for the PPP going forward:

- Availability of Draft Scoping Reports for public comment: July / August 2014
- Stakeholder meetings to be held during the public comment period: July 2014
- Availability of Final Scoping Report for public comment: September 2014
- Availability of Draft EIA Report for public comment: November / December 2014
- Stakeholder meetings to present the findings of the Draft EIA Report: November 2014
- Availability of Final EIA Report for public comment: December / January 2014

Registered I&APs will be informed about availability of reports and scheduled stakeholder meetings by preferred means of communication (email, post or fax). Contributions from stakeholders will assist in informed decision-making for authorities and provides information to be considered by the project team and specialists conducting studies. All comments can be submitted using the contact details which appear on the cover page or as part of the Comment and Registration Sheet.

ADVERTISEMENT

***SITE NOTICE REPORT AND SITE
NOTICE MAP***



DIGBY WELLS



ENVIRONMENTAL





ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED SLUDGE DISPOSAL FACILITY AND PIPELINE ASSOCIATED WITH THE TREATMENT OF ACID MINE DRAINAGE IN THE EASTERN BASIN OF WITWATERSRAND GOLD FIELDS, GAUTENG PROVINCE



DEA REFERENCE NO.: 14/12/16/3/3/3/111

SITE NOTICES

SITE NOTICES PLACED AT THE FOLLOWING VENUES/PUBLIC PLACES:

| Where site notice was placed (Organisation and/or address) | Coordinates | Date | Photo |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| <p>Outside Duncan & Candice Property</p> <p>Along road near dump.</p> <p>1 English site notice was put up.</p> | <p>-26.252078 28.487094</p> | <p>Monday, 26 May 2014</p> |  |
| <p>Property wall</p> <p>Along road to dump.</p> <p>1 English site notice was put up.</p> | <p>-26.256174 28.485089</p> | <p>Monday, 26 May 2014</p> |  |

| Where site notice was placed (Organisation and/or address) | Coordinates | Date | Photo |
|------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| <p>On fence.</p> <p>In suburb near proposed sites.</p> <p>1 English site notice was put up.</p> | <p>-26.255724 28.488641</p> | <p>Monday, 26 May 2014</p> |  |
| <p>Corner Shop</p> <p>On shop wall near proposed site.</p> <p>1 English site notice was put up.</p> | <p>-26.26756 28.509995</p> | <p>Monday, 26 May 2014</p> |  |
| <p>Proposed Site</p> <p>Along boundary of proposed site.</p> <p>1 English site notice was put up.</p> | <p>-26.264364 28.5173</p> | <p>Monday, 26 May 2014</p> |  |
| <p>Property wall</p> <p>On property wall near proposed site.</p> <p>1 English site notice was put up.</p> | <p>-26.26226 28.507571</p> | <p>Monday, 26 May 2014</p> |  |

| Where site notice was placed (Organisation and/or address) | Coordinates | Date | Photo |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| <p>Butchery</p> <p>On butchery wall in suburb near proposed sites.</p> <p>1 English site notice was put up.</p> | <p>-26.2555637 28.473863</p> | <p>Monday, 26 May 2014</p> |  |
| <p>Springs Public Library</p> <p>55, 5th Street, Springs</p> <p>10 x Background Information Documents. 10 x Registration & Comment Sheet 10 x Letter 1x Site Notice</p> | <p>-26.258524 28.4411154</p> | <p>Monday, 26 May 2014</p> | <p>No Photo</p> |
| <p>Bakerton Library</p> <p>Bakerton Community Centre, Corner Tea Bush & First Avenue, Bakerton, Springs</p> <p>10 x Background Information Documents. 10 x Registration & Comment Sheet 10 x Letter 1x Site Notice</p> | <p>-26.227037 28.4702168</p> | <p>Monday, 26 May 2014</p> |  |
| <p>Jerry Molo Community Library</p> <p>Chr Chris Hani Drive and Eiselen Street, Ethwathwa, Daveyton, Benoni</p> | <p>-26.116325 28.4751276</p> | <p>Monday, 26 May 2014</p> | <p>No Photo</p> |

| Where site notice was placed (Organisation and/or address) | Coordinates | Date | Photo |
|--------------------------------------------------------------------------------------------------------------|-------------|------|-------|
| 10 x Background Information Documents. 10 x Registration & Comment Sheet 10 x Letter 1x Site Notice | | | |

PROJECT NO: AEC2588

Proposed Sludge Disposal Sites For AMD Management in the Eastern Basin

Site Notice Map

Legend

- Major Town
- ⊙ Other Town
- Settlement
- Site Notice Locations
- Library Locations
- Grootvlei Mine Shaft No 3
- Pipeline to Grootvlei 6L16
- Pipeline to Largo Site 4

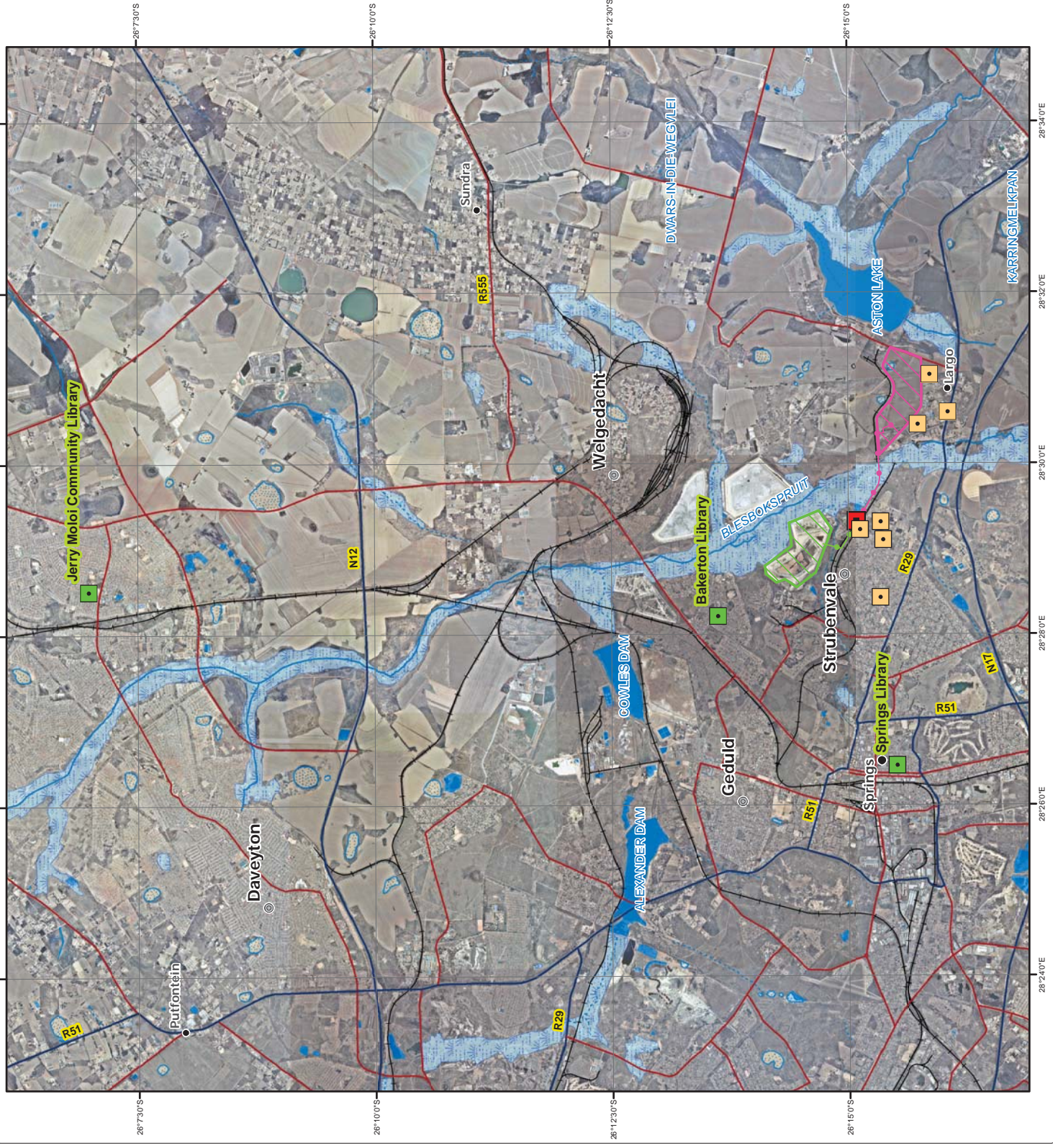
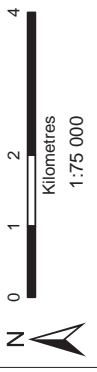
Proposed Sites

- Grootvlei 6L16
- Largo Site 4
- Arterial / National Route
- Main Road
- Railway Line
- Perennial River
- Non-Perennial River
- Dam
- Non-Perennial Pan
- Perennial Pan
- Wetland



DIGBY WELLS
ENVIRONMENTAL

• Sustainability • Service • Positive Change • Professionalism • Future Focused • Integrity
 Ref # / ID: AEC2588.2014.06.009
 Revision Number: 1
 Date: 04/02/2014



***LETTER TO ANNOUNCE THE
AVAILABILITY OF THE DRAFT
SCOPING REPORT***



DIGBY WELLS

ENVIRONMENTAL

Project No: AEC2588

20 June 2014

NOTIFICATION OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION AND WASTE MANAGEMENT LICENCE FOR THE PROPOSED SLUDGE DISPOSAL FACILITY AND PIPELINE ASSOCIATED WITH THE TREATMENT OF ACID MINE DRAINAGE FROM THE EASTERN BASIN OF WITWATERSRAND GOLD FIELDS, GAUTENG PROVINCE

AVAILABILITY OF DRAFT SCOPING REPORT FOR PUBLIC COMMENT

DEA REFERENCE NO.: 14/12/16/3/3/111

Dear **Error! Reference source not found.**,

Digby Wells Environmental (hereafter Digby Wells) on behalf of the applicant, Department of Water Affairs (hereafter DWA), hereby gives notice to registered Interested and Affected parties with respect to:

- **Announcement of the Availability of the Draft Scoping Report (DSR) for Public Comment;**
- **Invitation to a Public Meeting to present the DSR to be held on, Wednesday, 23 July 2014.**

The TCTA was instructed by the National Government through the Minister of Water and Environmental Affairs, to manage Acid Mine Drainage (AMD) emanating from the Eastern Basin of the Witwatersrand Gold Fields in the Gauteng Province. AECOM South Africa (Pty) Ltd (hereafter AECOM) has been appointed by the TCTA as the Principal Consultant in respect to the implementation of the Short Term Intervention (STI) measures for the treatment of AMD from the Eastern Basin. The treatment of AMD from the Eastern Basin will result in the generation of high density sludge, which will need to be disposed of. This project is for the construction of a sludge disposal facility and pipelines associated with the treatment of AMD from the Eastern Basin. The project is located within the Ekurhuleni Metropolitan Municipality.

Availability of DSR for public comment

The DSR will be available for **forty (40) days** for public comment from **Monday, 23 June 2014** to **Monday, 4 August 2014**, and will be available at the following public places:

| Location | Address | Contact |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------|
| Printed Copies | | |
| Springs Public Library | 55, 5th Street, Springs | Mrs Van Aswegen |
| Bakerton Library | Bakerton Community Centre, Corner Tea Bush & First Avenue, Bakerton, Springs | Ms Sive Gaqa |
| Digby Wells Environmental | Fern Isle, Section 5, 359 Pretoria Avenue, Randburg | Ms Vanessa Viljoen |
| Electronic Copies | | |
| The reports will also be available on the following website: www.digbywells.com (under Public Documents) Phone and request a CD copy at (011) 789 9495 | | |

Digby Wells and Associates (South Africa) (Pty) Ltd (Subsidiary of Digby Wells & Associates (Pty) Ltd). Co. Reg. No. 2010/008577/07. Fern Isle, Section 10, 359 Pretoria Ave Randburg Private Bag X10046, Randburg, 2125, South Africa
Tel: +27 11 789 9495, Fax: +27 11 789 9498, info@digbywells.com, www.digbywells.com

Directors: A Sing*, AR Wilke, DJ Otto, GB Beringer, LF Koeslag, AJ Reynolds (Chairman) (British)*, J Leaver*, GE Trusler (C.E.O)
*Non-Executive

How to comment on the Draft Scoping Report

Stakeholders are invited to comment on the DSR by directing your comments, concerns or suggestions to Digby Wells through any one of the following communication media below:

- By completing the attached comment sheet and submitting it to the Digby Wells Stakeholder Engagement Office;
- By sending a letter, or other form of written submission; or
- By email, fax or telephone to the Stakeholder Engagement Office.

Invitation to Public Meeting

The Public Meeting will provide stakeholders with an opportunity to:

- Discuss the contents of the DSR in detail and view maps of the proposed project based on consultation to date with affected land owners;
- Verify that issues and concerns raised during the initial consultation process were captured correctly; and
- Clarify any questions or issues or raise further comments.

It is important that you register for the Public Meeting in advance - please use the enclosed reply sheet and return it to the Stakeholder Engagement Office by **Wednesday, 9 July 2014**. This will allow us to send you any information you require in advance of the Public Meeting. The Public Meeting will be held as follows:

| Date | Time | Venue |
|-------------------------|---------------|---------------------------------------|
| Wednesday, 23 July 2014 | 18:00 – 20:00 | Stable Inn Conference Centre, Springs |

Should you require any additional information please feel free to contact Steve Horak or Vanessa Viljoen at Tel: (011) 789 9495, Fax: 086 583 5715, Post: Private Bag X10046, Randburg, 2125 or email: steve.horak@digbywells.com or vanessa.viljoen@digbywells.com.

Regards,



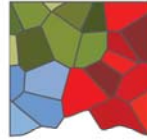
Steve Horak

Stakeholder Engagement Consultant

Enclosed

- *Comment Sheet*

***COMMENT AND RESPONSE
REPORT***



DIGBY WELLS

ENVIRONMENTAL

APPLICATION FOR ENVIRONMENTAL AUTHORISATION AND WASTE MANAGEMENT LICENCE FOR THE PROPOSED SLUDGE DISPOSAL FACILITY AND PIPELINE ASSOCIATED WITH THE TREATMENT OF ACID MINE DRAINAGE FROM THE EASTERN BASIN OF WITWATERSRAND GOLD FIELDS, GAUTENG PROVINCE

COMMENT AND RESPONSE REPORT FOR THE DRAFT SCOPING REPORT

DEA REFERENCE NO: 14/12/16/3/3/3/111

Internal Project Number:

AEC2588

Prepared for:

AECOM South Africa (Pty) Ltd

Digby Wells and Associates (South Africa) (Pty) Ltd
(Subsidiary of Digby Wells & Associates (Pty) Ltd). Co. Reg. No. 2010/008577/07. Fern Isle, Section 10, 359
Pretoria Ave Randburg Private Bag X10046, Randburg, 2125, South Africa
Tel: +27 11 789 9495, Fax: +27 11 789 9498, info@digbywells.com, www.digbywells.com

Directors: A Sing*, AR Wilke, LF Koeslag, PD Tanner (British)*, AJ Reynolds (Chairman) (British)*, J
Leaver*, GE Trusler (C.E.O)
*Non-Executive

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1 Introduction

The Trans-Caledon Tunnel Authority (TCTA) was instructed by the National Government through the Minister of Water and Environmental Affairs, to manage Acid Mine Drainage (AMD) generated in the Eastern Basin of the Witwatersrand Gold Fields in the Gauteng Province. AECOM South Africa (Pty) Ltd (AECOM) has been appointed by the TCTA as the Principal Consultant in respect of the implementation of the Short Term Intervention (STI) measures for the treatment of AMD from the Eastern Basin of the Witwatersrand. This project is for the construction of a sludge disposal facility and pipeline associated with the treatment of AMD emanating from the Eastern Basin. The project is located within the Ekurhuleni Metropolitan Municipality. Please see the attached Background Information Document (BID) for more information.

The environmental impact assessment (EIA) process will be conducted according to the National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA) and a waste management licence application process in terms of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008) (NEM:WA). The National Department of Environmental Affairs (DEA) is the competent and decision making authority. AECOM has appointed Digby Wells Environmental (Digby Wells) as the independent Environmental Assessment Practitioner (EAP) to conduct the regulatory EIA processes for the proposed project.

The purpose of this report is to present a record of stakeholder comments received thus far and includes comments received from:

- Written submissions from stakeholders
- Telephonic discussion with I&APs

2 Summary of the Key Comments

The table below presents a summary of the key issues which have been raised thus far.

| Category | Issue |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Air Quality | <ul style="list-style-type: none">• Air quality from the disposal of sludge and dust is a concern |
| Alternative Sites | <ul style="list-style-type: none">• The 6L16 site should be considered.• The project should be located elsewhere. |
| Sludge | <ul style="list-style-type: none">• Sludge could end up in the Blesbokspruit |
| Ground Water | <ul style="list-style-type: none">• The dam will impact on ground water which is used as drinking water for people and animals. |
| Wetlands | <ul style="list-style-type: none">• The dam will pollute the wetland. |
| Flora and Fauna | <ul style="list-style-type: none">• Bird life will be affected by the project. |
| Ecology | <ul style="list-style-type: none">• The project will affect the ecology of the Blesbokspruit.• The project could affect fish in the spruit.• Birdlife could be affected by the project. |
| Property Values | <ul style="list-style-type: none">• Property values will be affected if the largo site four is selected. |
| Environment | <ul style="list-style-type: none">• It is felt that the project will impact on the environment negatively. |
| Health and Safety | <ul style="list-style-type: none">• There are safety and crime concerns related to the site.• There is concern that the dam may impact on people's health.• There might be squatting related to the Largo 4 site. |

| COMMENT RAISED | CONTRIBUTOR | ORGANISATION/ COMMUNITY | DATE | METHOD | RESPONSE |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------|------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 Petition Comments | | | | | |
| A petition was submitted by residents of the Springs area objecting to the proposed Largo Site 4 sludge disposal facility. The petition is attached in Appendix A. The issues raised by the petitioners is summarised below. | | | | | |
| Site four is prime agricultural land and should be retained as such. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | A soil, land use and land capability assessment will be undertaken as part of the Environmental Impact Assessment (EIA) process. |
| The pipeline across the Blesbokspruit could leak into the spruit. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | An Environmental Management Plan (EMP) will be developed as part of the EIA which will include the management and mitigation measures to avoid, minimize or reduce potential impacts. Operational monitoring requirements will also be included into the EMP. Many pipelines are required to cross wetlands and rivers and many technical measures have been developed to prevent damage to the wetlands. |
| The dump will lead to air pollution. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | During the EIA process, the potential air quality impacts associated with the Project will be assessed and presented in the Draft EIA process, together with mitigation measures and management plan for dust impacts. Please note that these are not tailings dams, but sludge dams and will produce less dust than tailings dams. |
| The facility should rather be located at 6L16. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | Thank you for your comment. The Grootvlei 6L16 site is going to be considered as one of the site options for detailed investigation. |
| Sludge could potentially be washed into the Blesbokspruit. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The EIA/EMP Report will provide the identification and quantification of potential impacts. Management and mitigation |

| COMMENT RAISED | CONTRIBUTOR | ORGANISATION/ COMMUNITY | DATE | METHOD | RESPONSE |
|-----------------------------------------------------------------------------------------------|-------------|-------------------------|------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sludge could damage the internationally recognised wetland. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | measures will also be provided. The outcomes of the EIA process will consider the potential impacts to the Blesbokspruit, which will include the risks of potential spillages. A number of potential impacts on the Blesbokspruit wetland have been identified. The EIA Report and associated EMP will include measures to mitigate potential impacts to the wetland, and prescribe on-going management and monitoring requirements |
| The site will attract squatters. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The site (during construction and operation) will be managed and access to the site will be well controlled with security. The sludge storage facility itself is highly unlikely to attract squatters. A social Impact assessment will provide recommendations, mitigation and management measures that will address the potential occurrence of informal settlements. |
| There are security and health risks associated with the proposed site. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The potential security risks will be evaluated as part of the EIA process. However, as the sludge has been classified as non-hazardous, the proposed sludge disposal facility is unlikely to result in direct health impacts. |
| The site could impact on ground water which is used for drinking water for people and horses. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | A ground water impact assessment will be undertaken as part of the studies undertaken for the EIA. The groundwater study will identify potential groundwater impacts and present measures to reduce or mitigate potential groundwater impacts. |

| COMMENT RAISED | CONTRIBUTOR | ORGANISATION/ COMMUNITY | DATE | METHOD | RESPONSE |
|---------------------------------------------------------------------------------------------------------|-------------|----------------------------|---------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The site if selected will affect nearby businesses. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The socio- economic impacts of the project will be assessed as part of the EIA to be undertaken. The findings will be presented in the Draft EIA Report. |
| If the site is chosen it could impact on property values. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The potential socio-economic impacts associated with the proposed project will be addressed as part of the Social Impact Assessment. |
| Safety on horse outrides is a concern. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | A Social Impact assessment will provide recommendations, mitigation and management measures that will address potential impacts on safety and security. |
| If there is a need to change to municipal water from borehole water for horses this cannot be afforded. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | A ground water study will be undertaken to understand the potential impacts on ground water resources. The findings of this study will be presented in the Draft EIA Report. |
| The area is one of the few healthy places left and the development of the dump will put this at risk. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The impact assessment will consider the potential environmental impacts of the project on the existing and future environment. Due to the sludge being characterized as non-hazardous, no direct health impacts are anticipated. |
| The dump will pollute the wetland. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | A wetland assessment forms part of the EIA studies to be undertaken. The potential impacts to the surrounding wetlands will be assessed and presented as part of the Draft EIA Report. |
| The use of the proposed site 4 will result in farm workers losing their jobs. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The socio- economic impacts of the project will be assessed as part of the EIA process. The findings of this assessment will be presented in the Draft EIA Report. |
| If the sludge dam fails this will be a disaster similar to Merrispruit. | Petitioners | Springs Residents | Tuesday, 15 | Written Comments | The sludge dam will be designed and operated in terms of international best |

| COMMENT RAISED | CONTRIBUTOR | ORGANISATION/ COMMUNITY | DATE | METHOD | RESPONSE |
|-----------------------------------------------------------------------------|-------------|----------------------------|------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | April 2014 | | <p>Considerations taken in the design include:</p> <ul style="list-style-type: none"> The Merriespruit failure resulted in a number of improved Codes of Practice, which will be used for the design, i.e. taking cognizance of the reasons for previous failures. The sludge disposal will be compartmentalised, which reduces the volume of sludge per dam. The volume of sludge to be stored is far lower than the Merriespruit failure The nearest housing is 400 m from the sludge storage dams. Emergency response measures will be put in place Monitoring of the structure integrity of the sludge dam wall will be part of ongoing operation. |
| The dam will cause chest problems such as asthma, pneumonia and bronchitis. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | <p>An air quality assessment will be undertaken as part of the EIA process to determine if there will be a potential exceedance in terms of legislative standards. This will be confirmed in the Draft EIA Report.</p> <p>Please note that these are not tailings dams, but sludge dams and will produce less dust than tailings dams.</p> |
| The site will cause an increase in crime. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | <p>A social impact assessment will assess potential impacts in terms of safety and security. Suitable mitigation and management measures will be presented as part of the specialist study.</p> |

| COMMENT RAISED | CONTRIBUTOR | ORGANISATION/ COMMUNITY | DATE | METHOD | RESPONSE |
|--------------------------------------------------------------|-------------|-------------------------|------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bird life will be affected. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | A fauna and flora study will be undertaken as part of the EIA process to assess the potential impacts to avi-fauna in the region. |
| The RAMSAR site will be affected. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The ecological studies proposed will provide identification description and quantification of potential impacts to the RAMSAR site. Management and mitigation measures will also be provided and contained in the Draft EIA Report and associated EMP. |
| The Blesbokspruit ecosystem will be affected. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The potential impact on the ecology will be assessed as part of the EIA undertaken. Specialist assessments will be conducted to assess the potential impacts to the aquatic ecosystems of the Blesbokspruit. |
| There will be bad smells from the site. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The expected sludge produced from the HDS Plant will not be biological in nature and therefore the odour impacts associated with this sludge is likely to be limited. |
| Water pollution will impact on fish in the spruit. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | An aquatic assessment will be undertaken as part of the EIA process. The potential impacts will be presented in the Draft EIA Report, together with associated mitigation and management measures. |
| The land should be protected and not used as a dumping site. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | Thank you for your comment. The potential land use is one of the aspects that will be considered as part of the EIA process. |
| This is a catastrophe waiting to happen. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | The sludge dam will be designed and operated in terms of international best practice. Considerations taken in the design include: <ul style="list-style-type: none"> The Merriespruit failure resulted in a number of improved Codes of |

| COMMENT RAISED | CONTRIBUTOR | ORGANISATION/ COMMUNITY | DATE | METHOD | RESPONSE |
|--------------------------------------------------------------------------------------------------|---------------|----------------------------|------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | <p>Practice, which will be used for the design, i.e. taking cognizance of the reasons for previous failures.</p> <ul style="list-style-type: none"> The sludge disposal will be compartmentalised, which reduces the volume of sludge per dam. The volume of sludge to be stored is far lower than the Merriespruit failure The nearest housing is 400 m from the sludge storage dams. Emergency response measures will be put in place <p>Monitoring of the structure integrity of the sludge dam wall will be part of ongoing operation.</p> |
| There are already dust impacts in the area and the dump will add to this. | Petitioners | Springs Residents | Tuesday, 15 April 2014 | Written Comments | <p>During the EIA process, the potential air quality impacts associated with the Project will be assessed and presented in the Draft EIA Report, together with mitigation measures and management plan for potential dust impacts. The existing dust concentration levels will be modelled to determine the potential dust impacts.</p> <p>Please note that these are not tailings dams, but sludge dams and will produce less dust than tailings dams.</p> |
| 4 Air Quality | | | | | |
| There will be pollution in the air as a result of the sludge disposal. Odors will be in the air. | M Ferreira | Resident | Monday, 3 March 2014 | Written Comment | <p>The expected sludge produced from the HDS Plant will not be biological in nature and therefore the odour impacts associated with this sludge is likely be limited.</p> |
| The sludge dump could lead to dangerous | Jackie Jacobs | Jacobs & Seuns | Tuesday, 15 | Written | <p>An air quality assessment will be</p> |

| COMMENT RAISED | CONTRIBUTOR | ORGANISATION/ COMMUNITY | DATE | METHOD | RESPONSE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------|-------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| air pollution and very serious health problems such as Sinusitis, Rhinitis, Asthma, Allergies, lung problems and skin irritations. | | Landgoed CC | April 2014 | Comment | undertaken as part of the EIA process to determine if there will be a potential exceedance in terms of legislative standards. This will be confirmed in the Draft EIA Report. Please note that these are not tailings dams, but sludge dams and will produce less dust than tailings dams. |
| Why is the air quality study being done? | Masina Lisoane | DEA: Environmental Impact Evaluation - Integrated Permitting System | Thursday, 20 March 2014 | Authorities Meeting | An air quality assessment will be undertaken as part of the EIA process to determine if there will be a potential exceedance in terms of legislative standards. This will be confirmed in the Draft EIA Report. |
| The dust from the other 2 sludge dam is incredible – this one is our doorstep this is detrimental to all life | B Morris | Landowner | Thursday, 29 May 2014 | Written Comment | An air quality assessment will be undertaken as part of the EIA process to determine if there will be a potential exceedance in terms of legislative standards. This will be confirmed in the Draft EIA Report and released for public comment. |
| 5 Long Term Treatment of AMD | | | | | |
| Has Rand Water been appointed as the implementing agent for the short and long treatment of AMD or the TCTA? | Mariette Lieferrink | Federation for a Sustainable Environment | Thursday, 22 May 2014 | Written Comment | TCTA has been appointed as the implementing agent for short term treatment of AMD. |
| 6 Water Quality | | | | | |
| I would like to repeat comments made in previous contexts, that a particular objective should be to ensure that costs of solutions to water users are minimized by:- Active programme to reduce ingress and thereby to reduce pumping requirements continued monitoring of quality trends and review of whether reduced pumping might | Mike Muller | Resident | Thursday, 22 May 2014 | Written Comments | *Thank you for your comments. They refer directly to the monitoring and reduction of the water into the mining Basin and not the sludge disposal options discussed here. The comments will be passed on to the Department of Water Affairs. |

COMMENT AND RESPONSE REPORT
AEC2588

| COMMENT RAISED | CONTRIBUTOR | ORGANISATION/ COMMUNITY | DATE | METHOD | RESPONSE |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------|------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| contribute to improving quality | | | | | |
| 7 Groundwater | | | | | |
| We do not get council water. We use borehole water to drink, cook with etc., which is very good. Our water will be affected. Our water will get contaminated by your project. | M Ferreira | Resident | Monday, 3 March 2014 | Written Comment | The impact on ground water will be investigated as part of the EIA process. The findings of the groundwater study will be included into the Draft EIA Report and released for public comment. |
| We are totally dependent on borehole water that is ourselves, the 26 employees residing on the farm with their families (estimated 100 to 150 people) and all the animals, cattle and chickens. The acid water drainage could sieve through the ground and contaminate all our boreholes in the vicinity. There already is a very serious water problem in South Africa. Sewage flowing into rivers and dams. If a pipe should burst or leak the Blesbokspruit would be further contaminated with acid drainage. | Jackie Jacobs | Jacobs & Seuns Landgoed CC | Tuesday, 15 April 2014 | Written Comment | The impact on ground water will be investigated as part of the EIA process. The findings of the groundwater study will be included into the Draft EIA Report and released for public comment. The sludge that is being transported is non-hazardous. There is no 'acid water' being transported in the processes involved in this EIA. |
| We are solely dependent on ground water, which is of good quality, and sustains both human and animal life, AMD will definitely at some stage, ruining ground water | B Morris | Landowner | Thursday, 29 May 2014 | Written Comment | The impact on ground water will be investigated as part of the EIA process. The findings of the groundwater study will be included into the Draft EIA Report and released for public comment. |
| We are dependent on the borehole for water. | Merle van Blerk | Resident | Friday, 23 May 2014 | Written Comment | The impact on ground water will be investigated as part of the EIA process. The findings of the groundwater study will be included into the Draft EIA Report and released for public comment. |
| 8 Wetlands/Biodiversity | | | | | |
| Please register Birdlife South Africa as an IAP on this project using my details below. While it is good to see this project | Simon Gear | Birdlife South Africa | Tuesday, 27 May 2014 | Written Comment | Birdlife South Africa has been registered as requested. A fauna and Flora specialist study will be undertaken as part of the EIA |

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| underway and I trust the ultimate result will be an improvement in the lot of the Blesbokspruit, it is worth still bearing in mind that the Blesbokspruit is considered an Important Bird and Biodiversity Area (IBA SA021) and so development in the area needs to be sensitive to the avifauna that breed and roost in the wetland. | | | | | process. The findings of the study will be contained in the Draft EIA Report and released for public comment. |
| 9 Ecology | | | | | |
| There is wide acceptance that AMD is responsible for the most costly environmental and socioeconomic impacts, such as surface and ground water pollution, soil degradation, destruction of aquatic habitats and allowing heavy metals like cadmium, cobalt, copper and zinc to seep into the environment. Mariette Lieferrink who is on the Gauteng Department Of Agricultural and Rural Development's Steering Committee for the reclamation and rehabilitation of mine residue areas within the Witwatersrand explains "that the destruction of ecosystems caused by AMD is generally irreversible. In many cases, the polluted sites may never be fully restored." | Philip de Jager | De Jager & Kruger & Van Blerk Attorneys & Notaries & Conveyancers | Tuesday, 15 April 2014 | Written Comment | The potential environmental and social impacts will be assessed and quantified in the EIA Phase. Management and mitigation measures will be provided to avoid and/or reduce the impacts. |
| 10 Fauna | | | | | |
| There is a considerable amount of small game in the vicinity (foxes, rabbits, small buck, guineafowl and partridges etc. Their lives will all be in danger as they depend on the shelter and food from the agricultural land and adjoining veld. | Jackie Jacobs | Jacobs & Seuns Landgoed CC | Tuesday, 15 April 2014 | Written Comment | A Fauna and Flora study will be conducted, with the findings of which included into the Draft EIA Report for public comment. Mitigation and management measures (where applicable) will also be provided. |
| The beautiful bird life which we have around us of the Blesbok Bird Sanctuary | Merle van Blerk | Resident | Friday, 23 May 2014 | Written Comment | A Fauna and Flora study will be conducted, with the findings of which included into the |

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| will disappear. | | | | | Draft EIA Report for public comment. Mitigation and management measures (where applicable) will also be provided. |
| 11 Agriculture | | | | | |
| Maize farming is currently happening on part of the land (Largo Site 4) – how will crops be impacted on? | Carrol Bauah | Landowner | Thursday, 12 June 2014 | Written Comment | A small section of Largo Site 4 will be used to dispose sludge. The area is yet to be defined. A soil, land use and land capability assessment will be undertaken and recommendations will be provided. Potential impacts will also be identified and assessed in the EIA Phase. |
| 12 Health and Safety | | | | | |
| I suffer from Lymph disease and I will get ill and I therefore appose your project. | M Ferreira | Resident | Monday, 3 March 2014 | Written Comment | Comment noted. An air quality assessment will be undertaken as part of the EIA process to determine if there will be a potential exceedance in terms of legislative standards. This will be confirmed in the Draft EIA Report and released for public comment. |
| With the sludge are there not going to be any danger to staying opposite the railway line and with the plant so near to the residential area? | Johan Labuschagne | Resident | Thursday, 22 May 2014 | Written Comment | Health and safety concerns will be addressed in the dam design to ensure that the dam will be safe. |
| In years to come who will be responsible for any disaster? | B Morris | Landowner | Thursday, 29 May 2014 | Written Comment | This would fall to the operators of the sludge disposal facility and eventually after closure of the facility to the Department of Water Affairs. |
| 13 Land Value / Ownership | | | | | |
| Our property will lose value as a result of your project, as your project will be on our boundary line. We have prime agricultural land which is being successfully farmed | M Ferreira | Resident | Monday, 3 March 2014 | Written Comment | The socio- economic impacts of the project will be assessed as part of the EIA process. The findings of this assessment will be presented in the Draft EIA Report. |

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| annually. Why not look for abandoned un-used land such as SL16 area which you can start up again. We need food not sludge. | Greg Ovens | DRD Gold | Thursday, 22 May 2014 | Written Comment | Thank you for the comment this will be brought to the attention of the proponent. |
| Ergo has granted prospecting right covering portions 6, 13, 21 & RE of farm grootvaly 124 IR and portion 192 of the farm geduid 123 IR. The right was granted on the 04/03/2014, the reference number is GP10044PR. | Carrol Bauah | Landowner | Thursday, 12 June 2014 | Written Comment | The socio- economic impacts of the project will be assessed as part of the EIA process. The findings of this assessment will be presented in the Draft EIA Report. |
| The negative impact on the value of my land is of great concern and should this project proceed, how do you envisage compensating landowners? | Johan Labuschagne | Resident | Thursday, 22 May 2014 | Written Comment | The socio- economic impacts of the project will be assessed as part of the EIA process. The findings of this assessment will be presented in the Draft EIA Report. |
| Is the value of our properties not going to be reduce? | Merle van Blerk | Resident | Friday, 23 May 2014 | Written Comment | The potential environmental and social impacts will be assessed and quantified in the EIA Phase. The findings of the impact assessment will be presented in the Draft EIA Report, and released for public comment. |
| Our premises are directly behind van Niekerk road (end of down Globber road) which will mean that all the construction and development of the sludge – will have a direct impact on us. Our houses as well our business is on this property. We give home to 7 families on these premises. Where will this entire people go to if we have to leave our premises due to development? All our water will be poisoned. The safe environment we have for our children will be gone. | | | | | |

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| 14 Project Specific | | | | | |
| Your attention is also drawn to the Chamber of Mines Guideline which stipulates that "each tailings deposit should be surrounded by a 500 meter buffer zone, where no human settlement is allowed". This will simply not be possible on this proposed site. | Philip de Jager | De Jager & Kruger & Van Bleek Attorneys & Notaries & Conveyancers | Tuesday, 15 April 2014 | Written Comment | Your attention is drawn to the fact that this is not a mining operation that will result in mine residue disposal and hence the Chamber of Mines guidelines for tailings storage are not applicable. Your comments on AMD and its impact are noted and indeed it is for exactly these reasons that the project is being undertaken. |
| Consideration of a range of options for the use of neutralized effluent, including the zero hypothesis of doing nothing further, to be assessed by demonstrable (as opposed to assumed) downstream consequences and cost-benefit review to include the zero action option. | Mike Muller | Resident | Thursday, 22 May 2014 | Written Comment | The scope of the EIA is restricted to the sludge disposal site and associated pipelines. The potential "no-go" option (i.e. not treat AMD from the eastern basin) will be considered as part of the EIA process, but was also reviewed during the Environmental process for the neutralization plant. The decision was taken at this point to proceed with treating the AMD. |
| The M&G has been reliably informed that AECOM South Africa has been appointed by the Trans-Caledon Tunnel Authority as the Principal Consultant in respect to the implementation of the Short Term Intervention measures for the treatment of Acid Mine Drainage in the Eastern Basin of the Witwatersrand. Apparently the project is for the construction of a sludge disposal facility and pipeline associated with the treatment of acid water in the Eastern Basin. | Zwangu Mukhuthu | Mail & Guardian Media | Thursday, 29 May 2014 | Written Comment | This is correct. |
| NB: Environmental experts allege that the contract has been awarded too late to | Zwangu Mukhuthu | Mail & Guardian Media | Thursday, 29 May 2014 | Written Comment | The initial environmental critical level (ECL) was a conservative estimate based on information available in late-2010. |

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| <p>avoid breach of Environmental Critical Level by AMD. And that costs of the contract will rise because the appointed team will have to work overtime shifts to catch up to a missed deadline.</p> <p>Can you please comment on the above NB statement. I have also been informed that there is still no funding for the Short Term Intervention in the Eastern Basin because of an alleged disconnect between Water Affairs and Treasury about conditions attached to the funding of both the Short Term Intervention and Long Term Solution.</p> <p>Is this true?</p> | Zwangu Mukhuthu | Mail & Guardian Media | Thursday, 29 May 2014 | Written Comment | <p>Subsequent investigations during the Department of Water Affairs' feasibility study to identify a long-term solution for AMD in the Witwatersrand have confirmed that the initial ECL may be gradually raised (i.e. brought closer to surface), subject to monitoring. This revised ECL will have a cost-saving benefit. It is noted that the contractor will have to follow a fast-tracked schedule to meet the revised ECL, but this will not incur additional costs.</p> |
| <p>What is the value of the contract that you have been awarded to work on?</p> <p>What will Digby Wells' job entail on site, when will you be on site to start work and how long will this task last</p> <p>AMD is expected to breach ECL in 2015, will the project begin without the Environmental Impact Assessment being completed in the race against time? or the EIA must first be undertaken before anything could happen?</p> | B Morris | Landowner | Thursday, 29 May 2014 | Written Comment | <p>The construction contract has been awarded to CMC/ PG Mavundla Engineering Eastern Basin Joint Venture with a contract amount of R956,141,123.68 excluding VAT and Escalation. This contract is ALSO for the pump-station, neutralisation facility and related infrastructure to be established at the Grootvlei Mine, No. 3 Shaft.</p> <p>An Environmental Authorisation for the construction of the neutralization plant has already been granted and construction has commenced.</p> |
| <p>We are totally against the project. A pipeline could go undetected for years We are prone to flooding in heavy rain (photo available) & run off from the dam will increase this threat with costly results.</p> <p>I fail to see why this site (Largo 4) was</p> | | | | | <p>A storm water management plan will be designed for the dam to reduce the risk of contaminated surface run-off. Based on the outcomes of the two site options currently being considered, the most preferred site will be put forward for environment authorisation.</p> |

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| <p>proposed other than that someone is benefiting from it.</p> <p>15 Sludge Disposal</p> <p>In terms of the DMR's RMCS, notwithstanding the positive contribution towards the area as a result of the ERGO operations, and the consolidation of the tailings from several dumps into two mega dumps (Daggafontein and Witbok), "these dumps are impacting on the Blesbokspruit river system." It further found that "the impacts of mining infrastructure on the environment are pollution of the water sources and dust [Interpolation: Stormwater drainage systems, into which windblown dust from adjacent slimes dams is flushed by run-off from sealed surfaces are also likely to constitute a major source of potential water pollution. In the Far West Rand e.g., based on (conservative) assumptions regarding the affected surface area and average deposition rates of dust from adjacent slimes dams, it was estimated that approx. 10 tons of (particle-bound) uranium per year are flushed by stormwater into receiving watercourses – ref. WRC 1214/1/06] caused by the mine dumps. Acid Mine Drainage and heavy metal accumulation (including U) in the immediate vicinity of these facilities and footprints occurs." The accumulative impacts of the current mega dumps and the proposed sludge disposal within the Blesbokspruit catchment will be significant. Since the Blesbokspruit joins the Suikerbosrand, a tributary of the Vaal River</p> | Mariette Liefierink | Federation for a Sustainable Environment | Wednesday, 22 January 2014 | Comment by Email | During the EIA phase, the impacts of the proposed sludge disposal site options will be assessed. Consideration will be given to air quality and water related impacts (surface and groundwater). Mitigation and management measures will then be recommended to manage the potential impacts associated with the preferred sludge disposal facility. |

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| system the impacts will not only be localized but regional and may adversely impact upon the Vaal River, a national water resource (Interpolation: the WRC Report No. 1397/1/07 found e.g. that "only 21% of the sites [within the Vaal Barrage] surveyed showed no evidence of cytotoxicity...the underlying problems of this catchment are largely due to heavy metals.") | Carrol Bauah | Landowner | Thursday, 12 June 2014 | Written Comment | A Social and Air Quality Impact Assessment will be undertaken, with the results presented in the Draft EIA Report. All affected communities will be identified and socio-economic impacts assessed, as part of the EIA process. |
| Aston Lake which is located next to Largo and has a community living there. The sludge will, I am sure, negatively impact on them. | Carrol Bauah | Landowner | Thursday, 12 June 2014 | Written Comment | The Grootvlei 6/L/16 site is an existing tailings facility which is being considered as one of the alternative sites. Several additional tailings facilities were originally considered, However, due to technical, environmental and/ or financial factors, these existing tailings facilities were screened out from further consideration. Further details of the screening exercise are contained in the Scoping Report. |
| 16 Environmental Impact Assessment | | | | | |
| Why was the Dagatfontein site not chosen? Is it because of the distance or the size of the site? | Masina Litsokane | DEA: Environmental Impact Evaluation - Integrated Permitting System | Thursday, 20 March 2014 | Authorities Meeting | From an environmental perspective it remained out of the buffer zones for wetlands and river courses and also in terms of the Marievale Bird Sanctuary. Therefore, the expected impacts were likely to be much less from an environmental perspective. The site was excluded as the landowner has indicated the potential for |

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| | | | | | reclamation of the site at a future stage. As such, this site was precluded from further analysis. |
| Is the applicant TCTA or Department of Water Affairs (DWA)? | Masina Litsoane | DEA: Environmental Impact Evaluation - Integrated Permitting System | Thursday, 20 March 2014 | Authorities Meeting | The Applicant is the Department of Water Affairs. TCTA has been given the mandate to implement the process, but DWA will be the official applicant. |
| We have been further informed that AECOM has appointed your company as the independent Environmental Assessment Practitioner to conduct the regulatory EIA processes for the proposed project | Zwangu Mukhuthu | Mail & Guardian Media | Thursday, 29 May 2014 | Written Comment | This is correct. |
| How long do you expect the EIA process to take before being concluded? | Zwangu Mukhuthu | Mail & Guardian Media | Thursday, 29 May 2014 | Written Comment | The EIA process will take approximately 8 months to complete, excluding the authority review and decision making periods. |
| 17 Alternative Sites | | | | | |
| Apposed – Please take your project elsewhere. | M Ferreira | Resident | Monday, 3 March 2014 | Written Comment | Thank you for your comment, comment noted. |
| 18 Public Participation | | | | | |
| I have spoken to all residents in the area and they all oppose this project. | M Ferreira | Resident | Monday, 3 March 2014 | Written Comment | Thank you for your comment, comment noted. |
| As landowners we vehemently oppose this sludge storage facility and earnestly request that you consider the alternative site situated closer to the Grootvlei mine 3 shaft. | Jackie Jacobs | Jacobs & Seuns Landgoed CC | Tuesday, 15 April 2014 | Written Comment | Thank you for your comment, comment noted. The outcomes of the EIA process will inform the preferred site disposal option for environmental authorisation. |
| Pursuant to our discussion I enclose herewith details of 652 petitioners who live or work in the Largo and Aston Lake areas | Philip de Jager | De Jager & Kruger & Van Bleik Attorneys & Notaries & | Tuesday, 15 April 2014 | Written Comment | Thank you for your comment, comment noted. The outcomes of the EIA process will inform the preferred site disposal option |

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| <p>who are for a myriad of reasons vehemently opposed to the creation of a 60 hectare sludge disposal facility on the farmland described as Site 4 which is situated between and borders the residential areas of both Largo and Aston Lake, Springs.</p> <p>All the petitioners including writer who lives in the area are not under any circumstances prepared to allow Site 4 to become a "sacrificial zone" and we insist that the existing site known as Grootvlei 6L16 or any other site rather be used for the disposal of the sludge.</p> <p>All the persons referred to in the petition are to be recorded as interested and affected parties.</p> | | Conveyancers | | | for environmental authorisation. |
| <p>For purposes of the EIA process, landowners of the expected properties to be impacted need to be notified.</p> | Masina Litsoane | DEA: Environmental Impact Evaluation - Integrated Permitting System | Thursday, 20 March 2014 | Authorities Meeting | The landowners have been notified as part of the announcement of the project and the EIA. |
| <p>Note that the authority break will be from the 15th of December 2014 to 5 January 2015. No public participation or report reviews will be undertaken during this period.</p> | Masina Litsoane | DEA: Environmental Impact Evaluation - Integrated Permitting System | Thursday, 20 March 2014 | Authorities Meeting | Thank you for the comment. The comment is noted. |
| <p>Please ensure that we receive all the correspondence</p> | Greg Ovens | DRD Gold | Thursday, 22 May 2014 | Written Comment | All correspondence will be distributed to all registered Interested and Affected Parties. |
| 19 General | | | | | |
| <p>It was with great concern and horror that we learned about the proposed sludge</p> | Jackie Jacobs | Jacobs & Seuns Landgoed CC | Tuesday, 15 April 2014 | Written Comment | Thank you for your comment the comment is noted. The impacts from the proposed |

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| <p>disposal facility and pipeline for the treatment of acid mine drainage within a hundred meters from our homestead.</p> <p>The site of it will be abhorrent! Living across the road from a sludge dam is everybody's worse nightmare. To even think of this prime agricultural land to be covered in sludge is appalling. To be living next to it is revolting. Or valuable farm property will be worth nothing. Imagine anybody wanting to live across the road, from which once was a beautiful field, to an aid water sludge dam.</p> | Jackie Jacobs | Jacobs & Seuns Landgoed CC | Tuesday, 15 April 2014 | Written Comment | <p>sludge disposal facility will be investigated in the EIA Phase, with the findings presented for public comment.</p> <p>Thank you, your comment is noted. The socio- economic impacts of the project will be assessed as part of the EIA process. The findings of this assessment will be presented in the Draft EIA Report.</p> |