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|  | CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST | Template Identifier | 240-43921898 | 3 |
| | | Document Identifier | WFM/LD - 4.5.5/003 | 0 |
| | | Authorisation Date | 22-Nov-12 | |
| | | Review Date | 01-Nov-15 | |

| ENVIRONMENTAL POLICY | | CONSTRUCTION ENVIRONMENTAL ASPECTS | | NO. OF USE | |
|--|---|--|---|------------|---|
| Environmental Policy | | | | | |
| Environmental Management Plan (EMP) and Environmental Authorisation (EA) Training/Awareness | | | | | |
| 1. | Has EA_EMP been communicated to an agent, sub-contractor, employee or any person rendering a service to the holder of the authorisation? This includes the Eskom SHEQ Policy and must be displayed. | Done on 12/9/2014 SHEQ policy displayed | • Anton send EMP training done for KATH civils & Febar. | | 1 |
| Planning - Environmental Aspects | | | | | |
| Working Areas | | | | | |
| 2. | Have construction activities remained within the designated working areas? Inform the contractor about the no go areas/work restrictions i.e. sensitive vegetation/species and watercourses etc. | Yes. Construction footprint has been limited. No impact on the H ₂ O course downstream from 81. | | | 1 |
| 3. | Is the housekeeping done neatly i.e. stockpiling of materials & equipment's etc. | y. | | | 1 |
| 4. | Are vehicles parked in their demarcated parking areas? | Trucks @ camp site (6) parked neatly. | | | 1 |
| 5. | Are working areas well defined with a | y. | | | 1 |



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| | fence or danger tape, in case of powerline, the servitude width 18m for 11 - 22kV and 45m for 132kV | baricaded. | | | 1 |
| Property Access and Camp Establishment | | | | | |
| 6. | Was permission obtained from the property owners before construction commence? | Y. Agreement letters on file & within registered servitude. | | | 1 |
| 7. | Do the property owners have unrestricted access to their property? | Y | | | 1 |
| 8. | Are all access roads and camp establishment created with the assistance of ECO /Botanist /Freshwater Specialist or Site Engineer? If applicable | N/A. Use existing roads. | | | 1 |
| 9. | Were entrance gates, walls, paths, roads and fence rehabilitated satisfactorily as per EA-EMP conditions i.e. landowners | Not necessary yet. | | | 1 |
| Vegetation Management | | | | | |
| 10. | Are applicable permits available for indigenous vegetation clearance, cutting, disturbing, damaging or trimming of protected/endangered trees and monumental trees as per | N/A. No protected veg. on site. | | | 1 |



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| | applicable SAHRA and City Bylaws acts? | | | | |
| 11. | Is the servitude or working area cleared of alien vegetation as per 32-247 Standard for Bush Clearance and maintenance within overhead Powerline servitude procedure i.e. firebreak | Part Jackson @ 82 - 75. | If poses a risk during conductor stringing, then it should be removed. | | 1 |
| 12. | Have all bush clearing and herbicide methods been undertaken under the supervision of a registered Pest Control Officer (PCO) i.e. produce valid letter from DAFF | No herbicides used. | | | 1 |
| 13. | Clearance of vegetation in Critical Biodiversity Areas (CBA) must be done with an approved method statement by the ECO and or specialist recommendation as per EA i.e. site, area, height and timing | N/A. No CBA | | | 1 |
| Spillages | | | | | |
| 14. | Is there a stock of adequate oil spill remediation kit i.e. oil spill kit | Y. Correct content. | | | 1 |



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| 15. | Have any spill/leak occurred on site i.e. oil, chemical, diesel, paint, sewer and waste water. Are the spills/leaks visible from construction site | N. | | | 1 |
| 16. | Have the spills been managed according to Western Cape Operating Unit Oil Spill Management Instruction reference no. 240-79588150. | N/A | | | 1 |
| Natural Heritage Resources | | | | | |
| 17. | Were there any tribal graves, archaeological and paleontological sites identified before or during the construction activities? | N. | | | 1 |
| 18. | If yes, was construction stopped and the ECO contacted immediately? | N/A. | | | 1 |
| 19. | Was the Heritage Resource Agency or a Heritage Specialist contacted immediately? | N/A. | | | 1 |
| Portable Toilet/Sanitation | | | | | |
| 20. | Are there sufficient portable toilets i.e. 1:8 - 10 people and within walking distance | N. Procurement issue. are toilet for security. Toilets @ camp site. | Action as soon as possible → site mobile toilet. | | 0 |
| 21. | Portable toilets to be serviced weekly i.e. clean, smell good, toilet roll & | N/A. Camp site connected to munic | | | 1 |



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| | functional at all times. Services receipts available | Sewage system. | | | |
| 22. | Sanitation and ablution facilities should not result in an impact on the environment? Sewage spillage etc. | Conform. | | | 1 |
| Integrated Waste Management | | | | | |
| 23. | Is there an integrated waste management system in place i.e. intervals for waste disposal, bins labelled accordingly, proper waste storage and tightly contained, waste separation and recycling etc. | Munic collects waste (general) every Monday. Waste bins in fact. All general waste. Recycle cement bags @ malmesbury dump. | | | 1 |
| 24. | Are there sufficient waste bins on site? | Y. | | | 1 |
| 25. | Was litter noted during site inspection? | N. | | | 1 |
| 26. | Waste Manifest, Safe disposal certificate from the landfill site and Letter of agreement from the Municipality to comply with Waste General Notice (GN) No. 435 of 2011, Annexure 1 & 2. All other provisions of NEM:WA to be complied with if | | File all waste receipts from Sewage collection Company once appointed. Same for malmesbury waste site when | | 1 |



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| | applicable. | | applicable. | | |
| 27. | Are the hazardous and non-hazardous products (paints, paste, chemicals etc.) labelled and have Material Safety Data Sheet (MSDS)? | MSDS's for petrol LPG gas, chain saw oil, hand cleaner. | Labelling to be done for faded labels. | | 1 |
| Additional Environmental Aspects | | | | | |
| 28. | Are there trained fire fighter and adequate fire-fighting equipment in appropriate places i.e. valid fire extinguisher | Y. | | | 1 |
| 29. | Are there effective dust control (if necessary) measures in place. | Not necessary. | | | 1 |
| 30. | Are there noise control (if necessary) measures in place. | Not necessary. | | | 1 |
| 31. | Are there any erosion control (if necessary) measures in place? | Not applicable yet. | | | 1 |
| 32. | Are there top soil management in place i.e. separation of top soil vs. sub-soil, backfilling and levelling (if necessary) | Back-fill after-work. For new lay stockpile all soil. | | | 1 |
| 33. | Is there any impact on the water resource - wetland, stormwater drain, river, stream, lake, dam and riparian | N. | | | 1 |



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| | vegetation? | | | | |
| Implementation and Operation - Resources, Roles, Responsibility and Authority | | | | | |
| 34. | Have environmental Roles and Responsibilities been assigned to relevant personnel? One (1) person to be appointed per team? | Not assigned as yet. Nobody qualifies i.t.a. training req. | Donald mafjuda to make a call. Morris to book people on training as per requirements. | | 0 |
| Communication | | | | | |
| 35. | Has the Environmental Emergency Preparedness and Response (EEPR) procedure (WPC020) being communicated to everyone on site? | During EMP training. | | | 1 |
| 36. | Have the non-conformance report (NCR), Incidents and any other deviations being communicated to the project team? | N/A yet. | | | 1 |
| 37. | Has the contractor conducted weekly environmental awareness/toolbox sessions? Keep a signed attendance register. | N. | From new work do enviro topic once a week during risk assessment & toolbox. | | 0 |
| 38. | Have the relevant aspects of the Eskom procedures and instruction been communicated? | Y. on 15/09/2014 & EMP training on 12/09/2014. | | | 1 |
| Documentation - Control of Documents | | | | | |
| 39. | Are there Eskom Procedures on file | Discussed on 15/9/2014. | | | 1 |



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| | such as Waste Standards, Bush Clearing procedure and Oil Spill Instruction etc.? | | | | |
| Environmental Emergency Preparedness and Response procedure (EPR) | | | | | |
| 40. | Are the emergency numbers available and up-to-date to all construction personnel? | Each vehicle has #'s & camp site. | | | 1 |
| 41. | Is there an Environmental Emergency preparedness Procedure to deal with environment-related incidents (e.g. fires, oil spillages, snakes bites, bee stings etc.? Eskom EPR procedure to be available and displayed on site. | Conform to EPR & 32-95. | | | 1 |
| Checking - Non Conformity and Corrective Action Plan | | | | | |
| 42. | Has there been any deviation from the requirements of EA-EMP, Permit, License, RoD and any other conditions or agreement? | N. | | | 1 |
| 43. | If any deviations, have they been reported to Environmental Officer/Clerk of Works/Project Coordinator/Site Manager within 24 Hours e.g. oil & diesel spillages etc. | N/A. | | | 1 |
| 44. | Have the action plans been developed | To be developed. | | | 1 |



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| | and incidents addressed adequately? Shall not exceed more than 24 Hours depending on the incident or action? | | | | |
| 45. | Have all the Non Conformances Reports been addressed and closed e.g. complaints, incidents, pollution etc? If applicable | N/A. | | | 1 |
| Control of Records | | | | | |
| 46. | Does the site have Environmental File with EA_EMP and Training records, Incidents Flash Reports, Permits, Licences, RoD, Waste Manifest, Letter of consent, NCR, Inventory of Incidents, Complaints Register, Action Plans and Audit Reports? To be produced when required at all times. | Y. all docs. | | | 1 |
| Internal Audits | | | | | |
| 47. | Has the contractor performed a self-audit and addressed all deviations? Atleast one or more in two weeks? | No. | morris mgweke to conduct site enviro audits. | | 0 |



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PROJECT DETAILS

| | | | |
|---|------------------------------|---------------------|-----------------------|
| Name of the Project : Powerline or Substation | Mossburg-Vyente Line | Name of the Auditor | M. Hendriks |
| Name of the Construction Representative | Chris Mathae & Morsis Ngwaba | Date | 8/10/2014 & 9/10/2014 |
| Signature | | Signature | |

Fabcar transport, excavator & digger.
K&H civils → tipper truck.

Fanie Coetzee & Miché Dominique (SHEEPS)

COMPLIANCE STATUS

| | | |
|-----------------------------|-----------------------|---|
| Number of Compliance | 43 | |
| Number of Non-Conformance | 4 | |
| Compliance Rating: | Compliant | |
| | Risk of non-compliant | X |
| | Non-Compliant | |
| Percentage Compliance Score | $43 \div 47 = 91\%$ | |

- 81 ✓ covered with cap
- 82 ✓ busy ^(excavation) 4m x 4m. 12x14m. (constr: footprint)
- 80 ✓ covered with cap.
- 79 open drainage channel & place gabions; covered
- 78 " " " & " " ; covered
- 77 remove excess soil; per up channel
- 76 " " " , per up channel.
- 75 strain; in drainage channel; H₂O will be able to go around foundation
remove excess soil.