

|           |           |               | 0          | SKI IST  |            |          |  |
|-----------|-----------|---------------|------------|----------|------------|----------|--|
|           | Date      | Authorisation | identifier | Document | identifier | Template |  |
| 04 100.48 | 22-Nov-12 |               | 4.5.5/003  | WEWILD . | 43921898   | 240-     |  |
|           | -12       |               | ,          | >        | •          |          |  |

| ·                                     |                           |                              |      |  |                                      |      |                                     |  |                                       |                                      |                                       |               |                                  |                    |   |                                   |   |                                       |   | _   |                      | _ |
|---------------------------------------|---------------------------|------------------------------|------|--|--------------------------------------|------|-------------------------------------|--|---------------------------------------|--------------------------------------|---------------------------------------|---------------|----------------------------------|--------------------|---|-----------------------------------|---|---------------------------------------|---|---|----------------------|---|
| 5.                                    | 4                         |                              |      | ω                                      |                                      | •    |                                     | Ņ                                      | ·                                     |                                      |                                       | ₩or           | Plan                             |                    |   | -                                 |   |                                       |   | Envi  | Envi                 |   |
| Are working areas well defined with a | demarcated parking areas? | Are vehicles parked in their | etc. | stockpiling of materials & equipment's | is the housekeeping done neatly i.e. | etc. | vegetation/species and watercourses | areas/work restrictions i.e. sensitive | Inform the contractor about the no go | within the designated working areas? | Have construction activities remained | Working Areas | Planning - Environmental Aspects | must be displayed. | includes the Eskom SHEQ Policy and 6/11/2014 & 31/10/2014 | holder of the authorisation? This | any person rendering a service to the west for a diol induction | an agent, sub-contractor, employee or | Has EA_EMP been communicated to 4, 800 old training | Environmental Management Plan (EMP) and Environmental Authorisation (EA) Training/Aws | Environmental Policy |   |
| 4. Fersed                             | ,                         | Y                            |      |  | Ч                                    |      | ,                                   |  |                                       | •                                    | ()                                    |               |                                  |                    | 410001118 \$ 4100011113                                   | tion to savolson                  | west torol did isolar   | 3                                     | 4. 500 old training                                 | nvironmental Authorisation (EA)   |                      |   |
|                                       |                           |                              |      |  |                                      | ,    |                                     |  |                                       |                                      |                                       |               |                                  |                    |   |                                   | ,   |                                       |   | Training/Awareness  |                      |   |
|                                       |                           |                              |      |  | · ·                                  | :    |                                     |  |                                       |                                      |                                       |               |                                  |                    |   |                                   |   |                                       |   |   |                      |   |



|          |   |                      | Review Date | 01-NOV-10 |
|----------|---|----------------------|-------------|-----------|
|          |   |                      |             |           |
|          | fence or danger tape, in case of                            |                      |             | · ·       |
| _        | powerline, the servitude width 18m for                      |                      |             |           |
|          | 11 - 22kV and 45m for 132kV                                 |                      |             |           |
| اح       | ccess and Camp Establishment                                |                      |             |           |
|          | Was permission obtained from the                            | 4 tiston property.   |             |           |
| gs.      | g property owners before construction                       |                      |             |           |
|          | commence?   |                      |             |           |
| П        | Do the property owners have                                 | <u> </u>             |             |           |
|          | unrestricted access to their property?                      |                      |             |           |
| _        | Are all access roads and camp                               | 4                    | · ·         | ·         |
|          | establishment created with the                              |                      |             |           |
| <b>о</b> | 8. assistance of ECO /Botanist                              |                      |             |           |
|          | /Freshwater Specialist or Site                              |                      |             | <u> </u>  |
|          | Engineer? If applicable                                     |                      |             |           |
|          | Were entrance gates, walls, paths,                          | N.B.                 |             | <u> </u>  |
| ,        | roads and fence rehabilitated                               |                      |             |           |
| - ,4     | satisfactorily as per EA-EMP                                |                      |             |           |
|          | conditions i.e. landowners                                  |                      |             |           |
| ×.       | Vegetation Management  Are applicable permits available for | solution in indianal |             |           |
|          | indigenous vegetation clearance,                            | and the case         |             |           |
| 10.      | 0. cutting, disturbing, damaging or                         | Ţ.                   |             | •         |
|          | trimming of protected/endangered                            |                      |             |           |
|          | trees and monumental trees as per                           |                      |             |           |



|             |                       | _                      |                        |
|-------------|-----------------------|------------------------|------------------------|
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| 01-Nov-15   | 22-Nov-12             | WFM/LD -               | 240-<br>43921898       |
| 3           | 12                    | •                      | w                      |

| <b>#</b>                           | Spi       |                                    |                                     |                             | ;                            |                                  |                                       | ·                      |                                    | 12.                              |                                   |                                      |           |                                    |                             |                                     |  |                                    |       |                                  |
|------------------------------------|-----------|------------------------------------|-------------------------------------|-----------------------------|------------------------------|----------------------------------|---------------------------------------|------------------------|------------------------------------|----------------------------------|-----------------------------------|--------------------------------------|-----------|------------------------------------|-----------------------------|-------------------------------------|--|------------------------------------|-------|----------------------------------|
| remediation kit i.e. oil spill kit | Spillages | i.e. site, area, height and timing | specialist recommendation as per EA | statement by the ECO and or | done with an approved method | Biodiversity Areas (CBA) must be | Clearance of vegetation in Critical N | valid letter from DAFF | Control Officer (PCO) i.e. produce | supervision of a registered Pest | methods been undertaken under the | Have all bush clearing and herbicide | firebreak | Powerline servitude procedure i.e. | maintenance within overhead | 247 Standard for Bush Clearance and | cleared of alien vegetation as per 32- | is the servitude or working area u | acts? | applicable SAHRA and City Bylaws |
| . Absorbents                       |           |                                    |                                     |                             |                              |                                  | NOT CAD.                              |                        |                                    |                                  | (1000)                            | NIA. No harbicide                    |           |                                    |                             |                                     |  |                                    |       |                                  |
|                                    |           |                                    |                                     |                             |                              |                                  |                                       |                        |                                    |                                  |                                   |                                      |           |                                    |                             |                                     |  |                                    |       |                                  |
|                                    |           |                                    |                                     |                             |                              |                                  |                                       |                        |                                    |                                  |                                   | -                                    |           | _                                  |                             |                                     | ·                                      |                                    |       |                                  |



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST Document Identifier

Authorisation Date

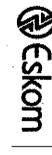
Review Date

| Template | 240- | 3 | | 1dantifier | 43921898 | 3 | | 1dantifier | WFM/LD - | 0 | | 1dantifier | 4.5.5/003 | 2-Nov-12 | Date | 22-Nov-12 | Review Date | 01-Nov-15 | | 1dantifier | 1dant

| 21.  | 20.   | Port  |              | 19.   | 18.   | ""   | 17   | Nat                        |                             | 16                                    | ;                         | _                            |                                | 15.                                   | ;  |                                      |
|--|---|---|--------------|---|---|--|--|----------------------------|-----------------------------|---------------------------------------|---------------------------|------------------------------|--------------------------------|---------------------------------------|----|--------------------------------------|
| Portable toilets to be serviced weekly i.e. clean, smell good, toilet roll & | i.e. 1:8 - 10 people and within walking Security (mSS) distance | Portable Toilet/Sanitation  Are there sufficient portable toilets | immediately? | Was the Heritage Resource Agency or a Heritage Specialist contacted | If yes, was construction stopped and the ECO contacted immediately? | sites identified before or during the construction activities? | Were there any tribal graves, archaeological and paleontological | Natural Heritage Resources | reference no. 240-79588150. | Unit Oil Spill Management Instruction | according to Western Cape | Have the spills been managed | visible from construction site | and waste water. Are the spills/leaks |    | Have any spill/leak occurred on site |
| 4. 13/11/2014 \$   | security (mss)  | Two toilets.  | ,            | NIA.  | HIN   |  | Z  |                            |                             |                                       | Z .                       | CALIF                        |                                |                                       | 7. | 1.1                                  |
|  | も   | TOPS to charge  |              |   |   |  | ,  |                            |                             |                                       | -                         |                              |                                | -                                     |    |                                      |
|  |   |   |              |   |   |  |  |                            |                             |                                       |                           |                              | -                              |                                       |    |                                      |

swartland Toileds

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CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST Document Identifier

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Review Date

240-43921898 WFM/LD -4.5.5/003 22-Nov-12 01-Nov-15

| 26.  | 25.                                      | 24   | 23   | 23   |  |
|--|--|--|--|--|--|
| 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 | Was litter noted during site inspection? | Are there sufficient waste bins on $\forall$ site? | 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. | Sanitation and ablution facilities 22. should not result in an impact on the environment? Sewage spillage etc. | functional at all times. Services receipts available |
| malmestery waste tacility is licensed connot get had of a capy of the license  | Z,                                       | Ψ,   | tope bir to<br>general waste.<br>Take waste to<br>malmostury dury-<br>ste where they do recolling  | Complaint  |  |
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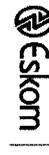
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Review Date

Review Date

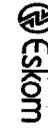
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|                                       | ၾ                                     |                                  |            | Š.                                      | 3                                     |                                  | - 5                           | <u></u>                           | 9                  | -<br>음   | 10                            | 3                                    | _            | 2                                  | }                                   |                                    | Adc                              |                    |  | <u></u>     |                                     |             |
|---------------------------------------|---------------------------------------|----------------------------------|------------|---|---------------------------------------|----------------------------------|-------------------------------|-----------------------------------|--------------------|--|-------------------------------|--------------------------------------|--------------|------------------------------------|-------------------------------------|------------------------------------|----------------------------------|--------------------|--|-------------|-------------------------------------|-------------|
| river, stream, lake, dam and riparian | resource - wetland, stormwater drain, | Is there any impact on the water | necessary) | sub-soil, backfilling and levelling (if | place i.e. separation of top soil vs. | Are there top soil management in | necessary) measures in place? | Are there any erosion control (if | measures in place. | Are there noise control (if necessary) NA Let. | necessary) measures in place. | Are there effective dust control (if | extinguisher | appropriate places i.e. valid fire | adequate fire-fighting equipment in | Are there trained fire fighter and | Additional Environmental Aspects | Data Sheet (MSDS)? | etc.) labelled and have Material Safety S小龙、 |             | Are the hazardous and non-hazardous | applicable. |
| ,                                     | . •                                   | Z                                |            |   |                                       | Topsoil saperation               |                               | (I monitored.                     | -                  | NIX) YEX.                                      | mit to 00000000               | Distriction I                        |              |                                    | かるかられる                              | Geraldo is appointed               |                                  | :                  | 5/4.   | 12000 Je 03 | あるのかん                               |             |
|                                       |                                       |                                  |            |   |                                       |                                  |                               |                                   |                    | -  | 500 to 100                    | Place agreement                      |              |                                    |                                     |                                    |                                  |                    | -  |             |                                     |             |
| ,                                     |                                       |                                  |            |   |                                       |                                  |                               |                                   |                    |  |                               | ,                                    |              |                                    |                                     |                                    |                                  |                    |  |             |                                     |             |
|                                       |                                       | :                                |            | •                                       | <u>·</u>                              |                                  |                               |                                   |                    | _  |                               |                                      | • .          |                                    | <u>-</u>                            |                                    |                                  |                    | _  |             |                                     |             |



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|    | Authorisation<br>Date | Document<br>Identifier | Template<br>(dentifier |
| 24 | 22-Nov-12             | WFM/LD -<br>4.5.5/003  | 240-<br>43921898       |
|    | 12                    | 0                      | w                      |

|      | vegetation?   |                        |                |   |
|------|---|------------------------|----------------|---|
| lmpl | Implementation and Operation - Resources, Roles, Responsibility and Authority Have environmental Roles and +\are (\are (\)))))))))))))))))))))))) | +lansic (and See)      | Place appoint- |   |
| ,    | Responsibilities been assigned to   | assigned to appoint of | 18 1 1 1 9 9   |   |
| Α    | relevant personnel? One (1) person to   | (DECH (CR.C), Clotter  | 416.           |   |
|      | be appointed per team?  |                        | · .            | ŀ |
| Com  | Communication   |                        |                |   |
|      | Has the Environmental Emergency   | 4. During Emp          |                |   |
|      | Preparedness and Response (EEPR) + coining finduction   | training linduction    |                |   |
| 35   | procedure (WPC020) being  | c                      |                | , |
|      | communicated to everyone on site?   |                        |                |   |
|      | Have the non-conformance report NIA   | <u> </u>               |                |   |
| 3    | (NCR), incidents and any other  |                        | •              |   |
| 3    | deviations being communicated to the  |                        |                |   |
|      | project team?   |                        |                |   |
|      | Has the contractor conducted weekly   | 41006/11/51            |                |   |
| 3    | environmental awareness/toolbox   | 411112014              |                |   |
| 3/.  | sessions? Keep a signed attendance  | Not 2014 5 6000        |                |   |
|      | register.   | phase Limited          |                |   |
|      | Have the relevant aspects of the  | 4, During emp          |                |   |
| 8    | Eskom procedures and instruction  | 大のううる一大のかのの            |                |   |
|      | been communicated?  |                        |                |   |
| Docu | Documentation - Control of Documents  |                        |                |   |
| 39.  | Are there Eskom Procedures on file  |                        |                |   |
|      |   |                        |                |   |



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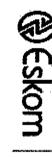
Review Date

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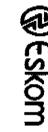
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Raview Date 01-Nov-15

| 4                                    |  |                                    | 43.                            |                           |                                   |               | ,                                     | 3                               |                                       | C报   |                                     |                                     | •                                       | <u> </u>                            | •                                   | _                                   |            | \$   |                                     | Ē   |                   | ,                                |                                   |
|--------------------------------------|--|------------------------------------|--------------------------------|---------------------------|-----------------------------------|---------------|---------------------------------------|---------------------------------|---------------------------------------|--|-------------------------------------|-------------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|------------|--|-------------------------------------|---|-------------------|----------------------------------|-----------------------------------|
| have the action plans been developed | Hours e.g. oil & diesel spillages etc. | Coordinator/Site Manager within 24 | Officer/Clerk of Works/Project | reported to Environmental | If any deviations, have they been | or agreement? | License, RoD and any other conditions | requirements of EA-EMP, Permit, | Has there been any deviation from the | Checking - Non Conformity and Corrective Action Plan | be available and displayed on site. | stings etc.? Eskom EPR procedure to | fires, oil spillages, snakes bites, bee | environment-related incidents (e.g. | preparedness Procedure to deal with | Is there an Environmental Emergency | personnel? | and up-to-date to all construction displayed | Are the emergency numbers available | Environmental Emergency Preparedness and Response procedure (EPR) | Instruction etc.? | Clearing procedure and Oil Spill | such as Waste Standards, Bush 식 등 |
| V.                                   |  |                                    |                                | Z ( T)                    | 3                                 |               |                                       |                                 | Z                                     | tion Plan  |                                     |                                     |   |                                     |                                     | <u>.</u>                            |            | displayed.                                   | # SIF TO.H                          | f Response procedure (EPR)  | this properties   | n<br>R                           | 1. SHEED POLICY &                 |
|                                      |  |                                    |                                |                           |                                   |               |                                       |                                 |                                       |  |                                     |                                     |   |                                     |                                     |                                     |            |  |                                     | -   | BY +18-100        | car decountered                  | Place attalist                    |
|                                      |  |                                    |                                |                           |                                   |               | :                                     |                                 |                                       |  | -                                   |                                     |   |                                     |                                     |                                     |            |  |                                     |   |                   |                                  |                                   |
|                                      |  |                                    | · <u>-</u>                     |                           |                                   |               |                                       | <del>-</del>                    |                                       |  |                                     |                                     |   |                                     | _                                   |                                     |            |  | <u>-</u>                            |   |                   |                                  |                                   |



CONSTRUCTION ENVIRONMENTAL AUDIT CHECKLIST Document Identifier
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| Inte   | 8.  | CO              | 45   |   |
|--|---|-----------------|--|---|
| Internal Audits Has the contractor performed a self- 47. audit and addressed all deviations? Atleast one or more in two weeks? | 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.  |                 | Have all the Non Conformances Reports been addressed and closed e.g. complaints, incidents, pollution etc? If applicable | and incidents addressed adequately? To be developed if Shall not exceed more than 24 Hours depending on the incident or action? |
| 1/4/11/2014 - NOST- Place Ax<br>lord Civils and it to<br>oud it to<br>oud the sit  | and the state   | 4. CA COM SUED  | NIA  | to be developed if  |
| Place Actence  | Harron Deutsch<br>Harry Deutsch<br>Harry Harron<br>Harry Harron<br>Harry Harron<br>Harron Addit Abar<br>Herron Addit Abar<br>Herron Addit Abar<br>Herron Addit Abar<br>Herron Harron<br>Herron | Need to include |  |   |
|  |   | -               |  |   |



| (₩cskom   | CONGINGO HOMENAN COMMENTAL ACCIT CHECKES |                     |                       | 4.5.5/003 |
|---|--|---------------------|-----------------------|-----------|
| NAMES AND ADDRESS OF THE PARTY |  |                     | Authorisation<br>Date | 22-Nov-12 |
|   |  |                     | Review Date           | 01-Nov-15 |
|   | PROJECT DETAILS                          | .S                  |                       | ·.        |
| Name of the Project : Powerline   U-Jewick S. or Substation   | namer 35                                 | Name of the Auditor | m. Herdritse          | the s     |
| Name of the Construction Representative   | H. Cardisses                             | Date                | 21/11/2014            |           |
| Signature   |  | Signature           | THE SHE               |           |

| Number of Compliance           | 47      |     |
|--------------------------------|---------|-----|
| Number of Non-Conformance      | 0       |     |
| Compliance Rating:   Compliant | X       |     |
| Risk of non-                   |         | . : |
| compliant                      |         |     |
| Non-Compliant                  |         |     |
| Percentage Compliance Score    | lc∞ ~ . | ;   |