



**ENVIRONMENTAL IMPACT ASSESSMENT & WASTE MANAGEMENT LICENCE
THE SOUTHERN WASTE WATER TREATMENT WORKS (SWWTW) SOLIDS REMOVAL AND TREATMENT
FACILITIES UPGRADE**


SPECIALIST STUDIES DISCUSSION

DATE: 29 January 2015

TIME: 12h30

VENUE: RHDHV Offices

PURPOSE OF THE MEETING

 To discuss the Specialist Impact Assessment Studies for the EIA.

AGENDA

- | | | |
|----|---|-------|
| 1. | Welcome & introduction | RHDHV |
| 2. | Technical presentation on specialist studies & brief update | RHDHV |
| 3. | Discussion on specialist assessments | All |
| | 3.1. AQA sampling points | All |
| | 3.2. Independent Reviewers | All |

EIA AND WASTE MANAGEMENT LICENCE APPLICATION FOR THE PROPOSED SSWTW SOLIDS REMOVAL AND TREATMENT FACILITIES UPGRADE, KWAZULU-NATAL ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

NGO SPECIALIST STUDY DISCUSSION
DATE: 29.01.2015



OBJECTIVE OF MEETING

- To provide an update on the EIA Process;
- Discuss sampling points for AQA;
- Discuss review process.

Southern Waste Water Treatment Works - Upgrades

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PROJECT PURPOSE

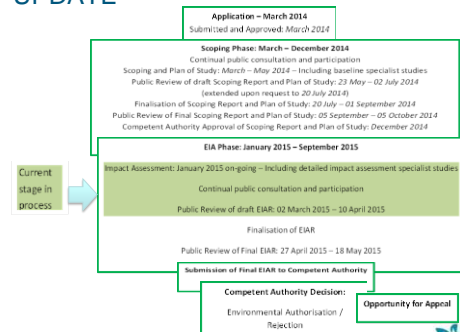
- Develop the Southern WWTW Solids Removal Facility with a long term goal of disposal out to sea containing significantly less solids.
- Objective of upgrades: to remove more primary sludge before discharging out to sea.

Southern Waste Water Treatment Works - Upgrades

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UPDATE



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THE FULL SUITE

Authorisations / Licenses to be applied for:

1. Environmental Authorisation as per NEMA
2. Waste Management License as per NEM:WA
3. Coastal Waters discharge permit (amendment)
4. Water Use License (amendment)

Specialist studies to support the assessment:

1. Air Quality Impact Assessment;
2. Heritage Impact Assessment;
3. Biodiversity Scan;
4. Major Hazardous Installation Study;
5. Integrated Waste Water Management Plan;
6. Process Risk Assessment;
7. Social Impact Assessment; and
8. Traffic Impact Assessment

Southern Waste Water Treatment Works - Upgrades

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AIR QUALITY ASSESSMENT

| BASELINE | SCOPE FOR EIA | INDEPENDENT REVIEWER |
|-------------------------------------|---|----------------------|
| Done and included in scoping report | Detailed sampling (water9) Detailed impact identification and rating Develop management plan and buffer delineation (odour abatement) | Rayten engineering |

Southern Waste Water Treatment Works - Upgrades

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AQA CONTINUED

- Sampling points (refer to handout)

HERITAGE IMPACT ASSESSMENT

| BASELINE | SCOPE FOR EIA | INDEPENDENT REVIEWER |
|--|---------------|--|
| Done inclusive of impact assessment and included in scoping report | N/A | N/A (study conducted by ethembeni cultural heritage) |
| N.B. No negative or positive impacts of significance were identified | | |

BIODIVERSITY SCAN

| BASELINE | SCOPE FOR EIA | INDEPENDENT REVIEWER |
|---------------------------------|---|---|
| Done included in scoping report | Detailed impact identification and rating | N/A (study conducted by the ecological partnership) |

MHI STUDY

| BASELINE | SCOPE FOR EIA | INDEPENDENT REVIEWER |
|-----------------------------------|--|----------------------------------|
| Letter included in scoping report | Conduct MHI risk assessment Detailed impact identification and rating | N/A (study conducted by Ishecon) |

IWWMP

| BASELINE | SCOPE FOR EIA | INDEPENDENT REVIEWER |
|----------|---|----------------------|
| None. | Develop management plan to feed into EMPr | TBC |

PROCESS RISK ASSESSMENT

| BASELINE | SCOPE FOR EIA | INDEPENDENT REVIEWER |
|----------|--|----------------------|
| None. | SWIFT analysis Impact identification and rating | TBC |

SOCIAL IMPACT ASSESSMENT

| BASELINE | SCOPE FOR EIA | INDEPENDENT REVIEWER |
|-------------------------------------|---|----------------------|
| Done and included in scoping report | Detailed impact identification and rating | Hilda Bezuidenhout |

TRAFFIC IMPACT ASSESSMENT

| BASELINE | SCOPE FOR EIA | INDEPENDENT REVIEWER |
|--|---|----------------------|
| None (was identified in the scoping phase) | Traffic counts Detailed impact identification and rating | TBC |

PUBLIC PARTICIPATION PROCESS



- Role of I&APs during the EIA process
- Raise issues and/or concerns as well as provide input on the proposed project
- Review of the draft & final EIAR
- Provide the above inputs within the specified timeframes
- All comments received are highly appreciated.

Novashni Sharleen Moodley

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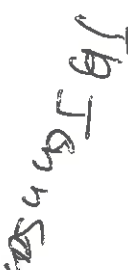



- QUESTIONS AND ANSWERS / DISCUSSIONS


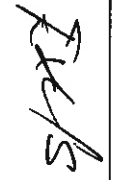


ENVIRONMENTAL IMPACT ASSESSMENT
 THE SOUTHERN WASTE WATER TREATMENT WORKS (SWWTW) SOLIDS REMOVAL AND TREATMENT FACILITIES UPGRADE

ATTENDANCE REGISTER TO SPECIALIST STUDY DISCUSSION

29 January 2015



| NAME & SURNAME | AFFILIATION & ORGANISATION | CONTACT INFORMATION | | | SIGNATURE |
|----------------|----------------------------|---|--|--|-----------|
| James Johnson | SDice9 | TEL.: FAX/ FAKS: MOBILE / SEL: 07564721842 E-MAIL/ E-POS: |  | | |
| Mrs- PERUMAL | SDCEA | TEL.: cell: 0732121304 FAX/ FAKS: MOBILE/ SEL: E-MAIL/ E-POS: |  | | |
| BRACKENBURY | EWS | TEL.: 031-3118657 FAX/ FAKS: MOBILE/ SEL: 083-6293963 E-MAIL/ E-POS: |  | | |
| Desmond D'SA | SODCEA | TEL.: 031-4611991 FAX/ FAKS: 031-4699257 MOBILE/ SEL: 0839826939 |  | | |

| NAME & SURNAME | AFFILIATION & ORGANISATION | CONTACT INFORMATION | | SIGNATURE |
|--|---|---|---|-----------|
|  |  | E-MAIL/ E-POS: TEL.: 031-8110657 FAX/ FAKS: MOBILE/ SEL: 88 28089558 E-MAIL/ E-POS: |  | |
| Sharieem Moeckley | RHDHV | E-MAIL/ E-POS: TEL.: 031 719 5532 FAX/ FAKS: MOBILE/ SEL: E-MAIL/ E-POS: |  | |
| | | E-MAIL/ E-POS: TEL.: FAX/ FAKS: MOBILE/ SEL: E-MAIL/ E-POS: | | |
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| | |
|-----------------------|---|
| Record | Minutes of Specialist Discussion Meeting |
| Project | The SWWTW Upgrades and Solids Removal Facility EIA [T01.DUR.000274] |
| Date and Venue | 29.01.2015 RHDHV Offices |

Attendance

| Name | Organisation | Attended |
|------------------------|--------------|----------|
| Sharleen Moodley (SM) | RHDHV | X |
| Ashley Pillay (AP) | EWS | X |
| Keith Brackenbury (KB) | EWS | X |
| Desmond D'sa (DD) | SDCEA | X |
| Mrs Perumal (Mrs P) | SDCEA | X |
| James Johnson (JJ) | SDCEA | X |

| Item | Discussion/ Resolution | Action |
|------|--|---|
| 1 | SM welcomed all and explained the objective of the meeting. | N/A |
| 2 | SM made a presentation on the status of the project and the specialist studies being undertaken. | N/A |
| 3 | DD cautioned against some of the questions to be expected at the public meeting, viz. spills on Cuttings Beach. | N/A |
| 4 | Mrs P cautioned the team on good advertising of the meetings. | Ensure site notices are erected (at shops as well), BIDs are circulated and advert is placed on front page, as well as emails circulated. |
| 5 | Mrs P questioned what management and mitigation measures are on place <i>if</i> wastewater is ever received from NWWTW again. KB explained that this should not be repeated and it should be reported if it is. Furthermore, if it | N/A |

| Item | Discussion/ Resolution | Action |
|------|---|--|
| | does occur, the wastewater must be sufficiently diluted before bypassing to sea. | |
| 6 | <p>There was agreement that the following would be points of passive sampling for the Air Quality Assessment:</p> <ul style="list-style-type: none"> • Head of Works; • Settling tanks; • Archimedes Screw; • Mondi effluent pipe; • Residential point determined from Complaints Register (important to ensure differentiation from point source). <p>H₂S and Ammonia will be sampled. Mc Captians must also be evaluated.</p> | <p>Determine residential point from obtaining Complaints Register of the SWWTW.</p> <p>AQ Specialist to action passive sampling.</p> <p>Nicole to address.</p> |
| 7 | <p>The following Independent Reviewers were suggested:</p> <ul style="list-style-type: none"> • Eugene Caycross (of Pentec) – AQA • Faizel Bux (of the DUT) – IWWMP • Di Scott (of UKZN) – SIA • Chris Buckley – Process RA • None suggested for TIA (RHDHV propose Aurecon). | RHDHV to consider these reviewers. |
| 8 | There was a recommendation that traffic on Basil February Road (Duranta Road) also be considered, and the cumulative impact of increase in traffic be evaluated. | Traffic Engineers to consider. |
| 9 | Impacts during the Construction phase MUST be mitigated and methods for this must be presented at the public meeting. | SM to execute. |
| 10 | AP also assured the team that a Community Liaison Officer will be appointed. | N/A |
| 11 | Mrs P recommended that the relevant people be in attendance at the Public Meeting to ensure that the public's questions can be adequately answered. | SM to ensure attendance of qualified specialists and experts. |
| 12 | The resident doctors were recommended to be in attendance and to be consulted, such as Dr Behari, Dr Seetram and Dr Pillay. | SM to contact Mrs P for their contact details and add them to the project database to received project correspondence. |