

Agenda

Project: Curraghinalt Gold Mine

Venue: Turley, Hamilton House, 3 Joy Street, Belfast Date: 05 April 2016

Attending: ✓ [redacted] DOE [redacted] NIEA
✓ [redacted] DOE [redacted] IPRI
[redacted] DOE
[redacted] NIEA-IPRI-
✓ [redacted] NIEA WMU
✓ [redacted] NIEA NED
[redacted] NIEA WMU
[redacted] Dalradian Resources-
[redacted] Dalradian Gold Ltd
✓ [redacted] Dalradian Gold Ltd
✓ [redacted] Turley
✓ [redacted] Turley
[redacted] JDS *place*
[redacted] JDS
✓ [redacted] SRK
✓ [redacted] SRK
✓ [redacted] SRK
✓ [redacted] SRK
✓ [redacted] - Kaya Consulting (via teleconference) *place*

Objective: NIEA Water Meeting

1. Introductions
2. Scoping responses
3. Surface water
 - (a) Interpretation of the water quality objectives for the catchment
 - (b) Applicability of the Owenkillew Sub-Basin Management Strategy (implementation of freshwater pearl mussel measures) in relation to the water quality objectives for the catchment.
 - (c) Background water quality relative to the water quality objectives.
 - (d) Sizing of dilution zones/ approach to calculating end-of-pipe discharge criteria.

• completing interim baseline report

4. Groundwater

- (a) Methodology for selection of assessment points for hazardous and non-hazardous substances (and how this could vary throughout the mine life cycle)
- (b) Methodology for selection of target concentrations (e.g. background concentrations, detection limits, river/water standards etc).
- (c) Overview of planned groundwater impact assessment methodology (groundwater modelling, reactive hydrochemical modelling, software used and attenuations mechanism proposed to be assessed)

→ well
→ aquifers
→ water quality

levels flow
quality

5. WFD Assessment

6. Timing of the discharge consent(s)

7. AOB

Contact



numerical tools: flow/gw - transient model
changes with time
→ can a predictive model

→ plot
→ wells

recovery of gw level during recovery
flow impacts on receptors

POEC C

2 phases

(1) spatial, numerical model → flow (level)

(2) gw contaminants outside POEC C

JAGDAG



Dalradiaun 5 Apr 2016

GRAND HOTEL

Groundwater

- completing interim baseline report

existing landfill guidance

- dewatering

paste-back fill

dry stacks

SW

water balance; baseline

↳ discharge water quality

Oulinkillew

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