



Curraghinalt Project, County Tyrone, Northern Ireland

Prepared for Dalradian Gold Limited

Guide to Application

November 2017

DALRADIAN
GOLD

Guide to the Planning Application
for the Curraghinalt Project, County
Tyrone, Northern Ireland

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Turley

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Client

Dalradian Gold Ltd

Our reference

DALB3001

November 2017

1. Introduction

- 1.1 This 'Guide to the Application' has been prepared on behalf of Dalradian Gold Ltd ('DGL' or 'the applicant'). It accompanies a planning application for mineral extraction, exploration and processing at land referred to as Curraghinalt. The application site is located within the Sperrins Area of Outstanding Natural Beauty (AONB) and sits within the townlands of Crockanboy, Teebane West, Casorna, Rouskey, Attagh, Curraghinalt, Altcamcosy, Alwories and Monanameal, Drumlea, Fallagh Lower and Glenmacoffer. It sits to the north west of Greencastle and east of Rouskey.
- 1.2 The purpose of the guide is principally to assist members of the public navigate the package of information associated with the planning application, understand the interaction with other consenting processes and appreciate the initial steps in the processing of the application, including the points at which representations can be made to the planning authority.
- 1.3 The application for planning permission has been made to the Department for Infrastructure (DfI) on the basis that it is regionally significant. Relevant correspondence is at Appendix 1.
- 1.4 Submission of the application follows an extensive Pre-Application Discussion (PAD) process (PAD reference - LA10/2016/0030/DETEIA).
- 1.5 The Guide is structured as follows:
 - **Section 2** outlines the form and content of the planning application;
 - **Section 3** outlines the background to the project;
 - **Section 4** outlines the details of the project;
 - **Section 5** outlines the planning policy considerations that are relevant to the proposed development;
 - **Section 6** outlines the key design objectives that have informed the proposed development;
 - **Section 7** outlines the economic impacts of the development during the construction and operational phases;
 - **Section 8** gives an overview of the Environmental Impact Assessment that has been undertaken and summarises the significant effects;
 - **Section 9** outlines the range of other permits, consents and licenses associated with the delivery of the project; and
 - **Section 10** outlines the immediate next steps in the processing of the planning application.

2. Form & Content of the Planning Application

2.1 The application is for full planning permission and falls into the 'regionally significant' category for the purposes of the planning legislation.

Forms & Drawings

2.2 The planning application comprises the following:

- Forms: P1 & P1B and land ownership certificates.
- Planning Fee payable to DfI, calculated under Category 9 of Schedule 1 of the Planning (Fees) Regulations (Northern Ireland), 2015; and
- Planning Drawings.

2.3 A full schedule of the drawings, clearly setting out those which are for approval and those which are for information purposes only, is at Appendix 2.

Reports

2.4 In addition, the following reports are submitted:

- Pre-Application Community Consultation Report (PACCR) – which reports on the community consultation activity which took place prior to and following the submission of the Proposal of Application Notice (PAN – Appendix 3).
- Design & Access Statement (D&AS) – which gives an overview of the project design and access arrangements and an indication of how the project's context has influenced the design.

Environmental Statement

2.5 It was recognised at the outset of the project that an Environmental Impact Assessment (EIA) would be required. The scope of the EIA was determined in consultation with DfI (see ES Appendix A1 and A2).

2.6 The Environmental Statement (ES) which reports on the EIA contains an extensive and comprehensive analysis of the environmental impact of the project across a wide range of environmental, social and economic topics.

Further Supporting Information

2.7 The following other reports have been submitted in support of the planning application to assist DfI's determination of the planning application:

- Planning Statement – assessing the key planning policy considerations that are relevant to the proposed development;

- Statement of Economic Impacts – demonstrating the economic outputs that could be generated by the proposed development and their contribution to the local and regional economy (a copy of this report is also appended to the ES – see Appendix C13);
- Transport Assessment – which assesses the transport generation resulting from the proposed development and identifies works or improvements that will be required (a copy of this report including the Travel Plan is also appended to the ES – see Appendix C22);
- Travel Plan – which sets out the measures proposed by the applicant to manage traffic movements and promote more sustainable forms of transport (see above);
- Shadow Habitat Regulations Assessment – which provides information intended to assist competent authorities consider the project vis a vis European Designated Nature Conservation Sites (a copy of this report is also appended to the ES – see Appendix C10); and
- Mine Waste Management Plan – which sets out how DGL intends to minimise, treat, recover and dispose of extractive waste (a copy of this report is also appended to the ES – Appendix B3).

3. Project Background

Site History

- 3.1 The exploration of the Curraghinalt deposit started in 1983 and has been undertaken by a number of companies including Ulster Minerals/Ennex International plc (1983 to 1999), Tournigan Gold Corporation (2000 to 2009) and Dalradian (2010 to present).
- 3.2 In 1987, planning permission (K/363/86) was granted to construct underground exploration tunnels, including a portal entrance on the hillside, an adit, three underground headings, stockpiles (topsoil, soil and rock), and ancillary buildings. The planning permission was implemented and following the exploration programme, the site was fully restored with the exception of the ventilation shaft, the adit and the underground exploration tunnels.

Existing surface infrastructure site

- 3.3 DGL has an existing surface infrastructure site either side of the Camcosy Road. The existing site includes the portal to the exploration adit and provides the infrastructure necessary to support DGL's underground and surface exploration programme. The existing site is operated under the planning permissions K/2014/0387/F, K/2014/0246/F and K/2013/0072/F.
- 3.4 The following infrastructure and facilities are already in place at this site:
- Existing portal
 - Adit to access underground exploration workings
 - Hardstanding area for parking and equipment handling
 - Mineralised rock storage shed
 - Workshop and stores building
 - Container offices including staff welfare facilities and security hut
 - Waste rock storage facility
 - Water treatment plant and associated storage ponds
 - Explosive magazine
 - Vent raise

- 3.5 The project includes the retention of the existing infrastructure at this site with the exception of the explosives magazine during the life of the mine.

Feasibility

- 3.6 In parallel with the underground exploration programme, DGL has conducted a feasibility study (FS) which confirmed the economic viability of commercially developing the deposit as an underground mining operation. The project engineering team for the FS was led by JDS Energy and Mining Inc., based in Canada which determined the mining and processing

methods and infrastructure required for the project. The FS was completed in Quarter 4 2016 and published early 2017. It is the latest in a series of assessments which have proven the standard of the mineral resource and its particular value to the economy

Regionally Significant Planning Application

- 3.7 On 26 May 2015, and in compliance with Section 26 of the Planning Act (Northern Ireland) 2011, the DfI served notice on the applicant that having considered the information provided, the proposal would, if carried out, be of regional significance to the whole or a substantial part of Northern Ireland or have significant effects outside Northern Ireland or would involve a substantial departure from the local development plan for the area to which it relates.

Environmental Impact Assessment

- 3.8 Following the submission of an EIA Scoping Report prepared by SRK in December 2015 a formal EIA Scoping Opinion was issued by DfI in August 2016. Further information is set out in the ES.

Pre-Application Discussions

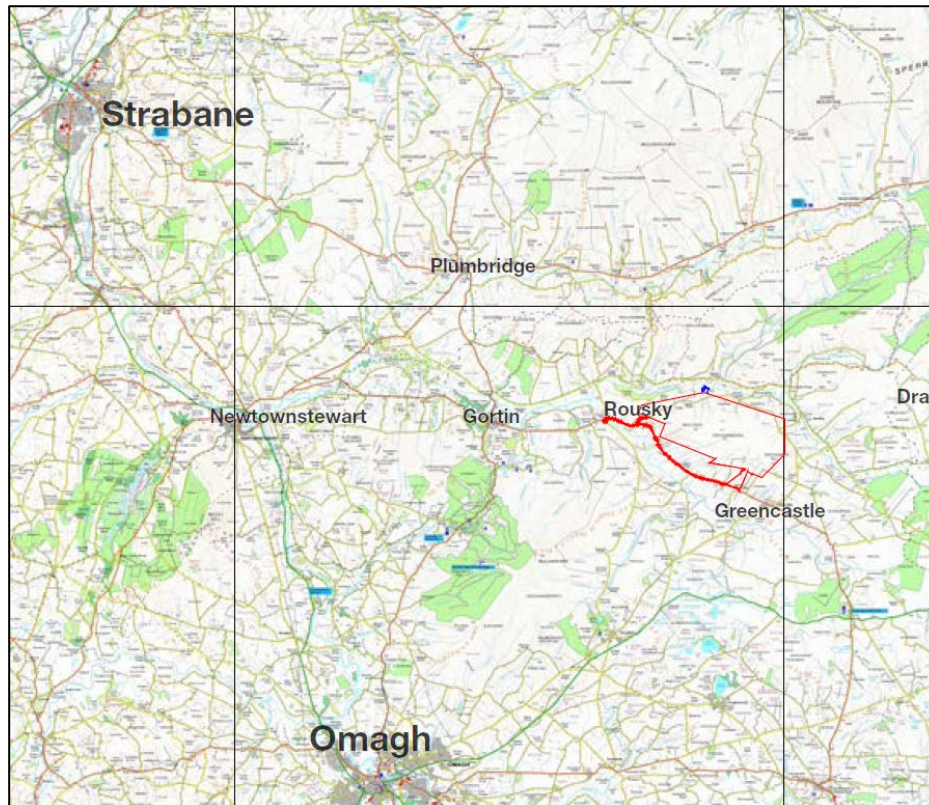
- 3.9 Stakeholder engagement has been a fundamental component of the EIA and planning process, as well as DGL's more general activity.
- 3.10 On 28 January 2016 a Pre-Application Discussion (PAD) request was submitted to the DOE (now DfI). From the initial PAD meeting held on 7 December 2015 a series of PAD/scoping meetings took place – see Appendix 4. The purpose of these meetings was to discuss and agree the scope, methodology and approach taken by the experts on specific topics. Some of these meetings did not form part of the formal PADs process and therefore representatives from DfI did not attend all of the meetings.

4. The Curraghinalt Project

For detailed information on the proposed development please refer to ES Chapter 4 (Project Description) of the Environmental Statement and the Planning Drawings.

4.1 Figure 4.1 shows the general location of the planning application.

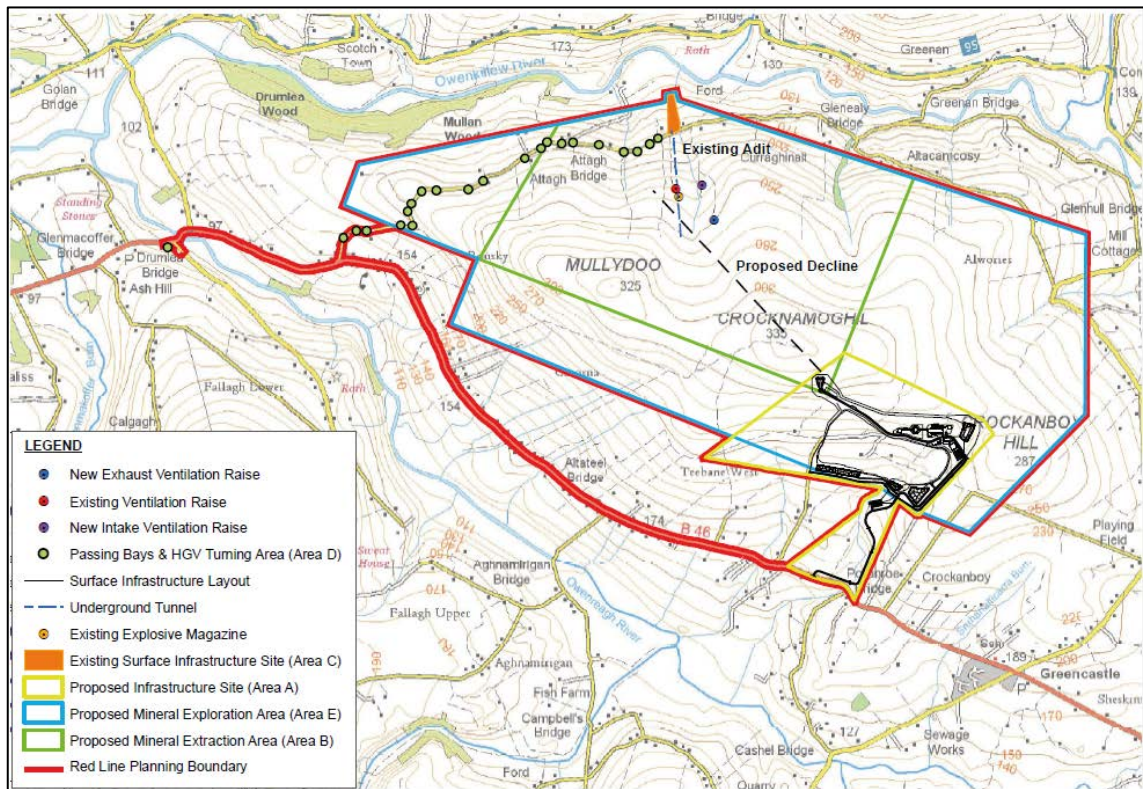
Figure 4.1: Application Site Boundary



4.2 The application site comprises five key elements – see Figure 4.2:

- Proposed Infrastructure Site;
- Proposed Mineral Extraction Area;
- Existing Surface Infrastructure Site;
- Existing passing bays on Camcosy Road; and
- Proposed Mineral Exploration Area.

Figure 4.2: Project Elements



4.3 The description of the development¹ proposed is:

- Underground valuable minerals mining and exploration including new portal (tunnel entrance), decline (ramp), paste backfill plant, secure explosives store, fuelling and small service maintenance facilities, refuge stations and ancillary infrastructure, mine workings and paste backfill and waste rock placed in the workings
- Two additional ventilation raises (main ventilation fans located underground) and retention of the existing ventilation raise
- Associated surface level development including:
 - processing plant (crusher building, covered coarse ore stockpile and process plant building)
 - laboratory building
 - dry stack facility (also called the mine waste storage facility)
 - administrative and mine dry building
 - mine rescue building
 - warehouse building

¹ Description of Development as set out in the P1 Planning Form

- maintenance workshop building
 - fuel and lube station
 - main substation (electrical room), substation (electrical room) and electrical rooms
 - electricity transformers
 - vehicle and cycling parking
 - internal roads and circulation space
 - retention of existing explosive store (on a temporary basis)
 - water treatment plant
 - 4 x water storage ponds
 - sewage treatment plant (below surface)
 - surface water diversion berms
 - water management ditches and distribution channels
 - new site access from Crockanboy Road (approximately 22m to the east of 225 Crockanboy Road, Irish grid reference 258003, 383422)
 - landscaping
 - perimeter fencing
 - laydown areas
 - 5m high rock berms
 - lighting
 - temporary and permanent peat and spoil storage areas
- Demolition (when required) of existing cottage and associated buildings at 80 Mullydoo Road, Greencastle, BT79 7QP.
 - A new road located to the south and east of the proposed dry stack facility / mine waste storage facility.
 - Retention of the existing portal, tunnel and surface development on lands off Camcosy Road (approved under planning permissions K/2014/0246/F, K/2013/0072/F and K/2014/0387/F), with consequential amendments to planning conditions on the duration of this development and its restoration. Upgrade of water treatment facilities at this existing site to serve the mine. This existing infrastructure to be used as secondary mine access.

- Road improvements, as required, along the extent of the Camcosy Road between lands approximately 165 metres west of no. 45 Camcosy Road and no. 2 Camcosy Road (turning point west of Rouskey).
- Temporary use (24 months) of an existing hard standing area off Lenagh Road agricultural yard as a turning point for heavy goods vehicles.
- Landscaping and habitat mitigation, enhancement and compensation works including the erection of a bat house.
- Mine closure and associated phased landscape restoration
- Other ancillary works

4.4 The project assessed by the EIA team is set out in Chapter 1 of the ES.

5. Planning Policy

- 5.1 For a more detailed analysis of planning policy assessment please refer to the Planning Statement prepared by Turley.
- 5.2 Section 6 (4) of the Planning Act (Northern Ireland) 2011 requires planning applications to be determined in accordance with the Local Development Plan unless other material considerations indicate otherwise. The principal planning policy and guidance that is of relevance to the Proposed Development for Section 6 (4) purpose, is as follows:
- Omagh Area Plan (1987-2002) – the Local Development Plan;
 - Regional Development Strategy 2035 (RDS);
 - Planning Strategy for Rural Northern Ireland (PSRNI)
 - Strategic Planning Policy Statement, 2015 (SPPS); and
 - Planning Policy Statement series.
- 5.3 The following key planning considerations are relevant to the consideration of the proposals by DfI:
- Need for the mineral resource and economic benefits
 - Social and economic benefits
 - Landscape, visual impact and tourism
 - Ecological Impacts
 - Water Environment
 - Amenity and safety
 - Archaeology and Cultural Heritage
 - Transport and Access
 - Sustainability
 - Health and well-being
 - Restoration
 - Section 76 Agreement & Financial Guarantee
- 5.4 These matters are addressed in the Planning Statement by way of reference to the information in the ES and wider application package. DfI will assess compliance with planning policy and undertake a planning balance.

6. Design

For further information refer to the Design and Access Statement prepared by Turley

- 6.1 The accompanying Design and Access Statement (DAS) identifies a series of key design principles that have been established to inform the Project design development.
- 6.2 The inter-disciplinary approach to the design of Curraghinalt Project has sought to respond to its social and environmental context.
- 6.3 The functional and operational requirements of each individual element of the project have been considered with due regard to the particular characteristics of the receiving environment at each stage of the process, from site selection to detailed design.
- 6.4 The design process has been informed by consultation and feedback and iterative in nature, with an integrated approach to environmental assessment and design evolution. The detail of the design is captured in the planning drawings, whilst the key drivers for the design rationale is found in the ES.
- 6.5 The DAS has sought to describe the broad context for the project, explain how this has informed the design objectives and design principles and subsequently outline how the design measures or performs against these. The information and analysis provided in the DAS and others in the planning application package will allow DfI to consult widely and subsequently make a planning decision.

7. Economic Impacts

For further information refer to the Statement of Economic Impacts prepared by Quod

- 7.1 An assessment has been carried out to establish the economic impacts of the Curraghinalt Project. The following impacts have been identified:
- The Project will contribute to a prosperous, strong, competitive, Regionally balanced economy by:
 - Investing £331 million in the NI economy over 25 years.
 - Exporting £146 million worth of minerals every year.
 - Building skills and supporting NI residents into high paying, skilled jobs.
 - Delivering growth, employment and investment in a rural area.
 - The Project will protect the environment and encourage sustainable practices by:
 - Putting in place stringent, best practice, environmental monitoring and mitigation programmes.
 - Supporting sustainable travel patterns for their staff.
 - Supporting sustainable community projects through a Community Fund.
 - The Project will contribute to a more equal society by:
 - Adhering to all relevant legislation and guidance on equality and equal access.
 - Providing training opportunities and career development programmes for NI residents.
 - Paying above average wages in a community with below average earnings.
 - The Project will ensure that it contributes to an innovative, creative society, where people can fulfil their potential by:
 - Providing training programmes, working in partnership with local colleges.
 - Investing in people.
 - Investing in the NI economy, bringing in best practice and cutting edge in construction and mining technology.
 - The Project will provide more people with better jobs:

- Delivering 270 1 year construction jobs and 350 permanent operational jobs (on average) in a community with relatively high economic inactivity and limited prospects for growth.
- Paying significantly above average wages.
- Providing excellent career development and training programmes.
- DGL will ensure its community is a place where people want to live and work, and to visit and invest by:
 - Supporting sustainable community projects through a Community Fund.
 - Providing excellent wages and career development paths.
 - Supporting their environment and local ecology, including for recreational purposes.
 - Spending money locally, in the supply chain, which will support local business, suppliers and their employees.
 - Fostering local business confidence and promoting investment.

7.2 The benefits would be strongly felt within Owenkillew ward and Fermanagh and Omagh District Council (FODC) - and would be of a significant magnitude and reach to have Regional effects, especially with respect to GDP, exports and the trade deficit. Collectively, these impacts demonstrate that the Curraghinalt Project makes a large and lasting contribution to meeting Regional needs and core local and National policy objectives.

8. Environmental Impact Assessment

For further information refer to the Environment Statement prepared by SRK

- 8.1 This application is accompanied by an ES which presents the findings of an EIA of the Curraghinalt Project. It also includes an assessment taking account of the predicted cumulative effects of other developments in the vicinity.
- 8.2 The objectives of the EIA process are to:
- Ensure the DfI Strategic Planning Department (SPD) can take a decision on the project with full knowledge of the relevant environmental information;
 - Enable DGL to plan, devise and implement a project which minimises negative environmental effects and maximises the benefits and efficiencies; and
 - Facilitate public understanding of the project and thereby facilitate participation in decision making procedures.
- 8.3 The ES starts by understanding the baseline position and then goes on to identify the impacts that will be created by the proposed development. The degree of significance of each positive/negative or neutral impact is also considered. The ES covers the following specialist topics:
- Air quality;
 - Archaeology & cultural heritage;
 - Climate;
 - Ecology;
 - Groundwater;
 - Health;
 - Landscape & visual;
 - Noise;
 - Radon and Naturally Occurring Radioactive Materials (NORM);
 - Socio-Economic;
 - Soils;
 - Surface water; and
 - Traffic & transportation.
- 8.4 The ES comprises three components:
- (i) Volume 1 - Non-technical Summary;
 - (ii) Volume 2 - Environmental Statement main report; and
 - (iii) Volume 3 - Environmental Statement appendices.
- 8.5 The Main Report is divided in to eleven chapters as set out below:

Table 8.1: Volume 2 - ES Chapters

Chapter	Title
1	Introduction
2	Legislation and Environmental Approvals
3	EIA Objectives and Process
4	Project Description
5	Project Alternatives
6	Physical Environment
7	Biological, Human and Aesthetic Environment
8	Environmental and Social Impact Assessment
9	Cumulative Impacts
10	Environmental and Social Management Plan
11	Conclusion

8.6 A full schedule of the Appendices which form part of Volume 3 of the ES is set out below.

Table 8.2: Volume 3 - Environmental Statement Appendices

Curraghinalt Environmental Statement Appendices		
Stakeholder consultation documents	A Scoping Report for the Curraghinalt Environmental Impact Assessment Process	A1
	Response to request for formal scoping opinion	A2
	Pre-Application Community Consultation (PACC) Report	A3
Engineering and management reports	Mine Design Parameter Statement and Drawings	B1
	Outline Construction Environmental Management Plan	B2
	Mine Waste Management Plan	B3
	Travel Plan	B4
	Conceptual Rehabilitation and Closure Plan	B5
	Draft Cyanide Management Plan	B6
	Peat Landslide Hazard and Risk Assessment	B7
	Peat Management Plan	B8
	Geochemical Characterisation Report	B9

Curraghinalt Environmental Statement Appendices		
	Flood Risk and Drainage Assessment	B10
	Lighting Specifications	B11
	Design Drawings	B12
	Soils and Geology Baseline Report	C1
	Climate Baseline Report	C2
	Surface Water Baseline Report	C3
	Surface Water Impact Assessment	C4
	Groundwater Baseline Report	C5
	Groundwater Impact Assessment	C6
	Radon and NORM Emissions Impact Assessment	C7
	Ecological Impact Assessment and Baseline Reports (presented as an annex)	C8
	Ecological Mitigation and Management Plan	C9
	Shadow Habitat Regulations Assessment	C10
	Socio-economic Baseline Report	C11
	Socio-economic Impact Assessment	C12
Specialist reports	Statement of Economic Impacts	C13
	Health Impact Assessment	C14
	Cultural Heritage Impact Assessment	C15
	Landscape and Visual Impact Assessment and Visualisations	C16
	Landscape and Landscape Restoration Plans	C17
	Noise Impact Assessment and Baseline Report (presented as an annex)	C18
	Air Quality Impact Assessment and Baseline Report (presented as annex)	C19
	Vibration Impact Assessment	C20
	Subsidence	C21
	Transport Assessment	C22
	Powerline Specialist Study Reports	C23

8.7 The tables below summarises the identified effects which remain significant after any mitigation measures have been taken into account.

Table 8.3: Significant Impacts

Ref. code	Potential impact	Residual impact significance	Section of the ES ¹
LV01	Potential effects on landscape local to the proposed infrastructure site	Significant	8.2.3
LV03	Potential effects on views from representative viewpoints and views to and from the Sperrin AONB (Viewpoints 1-5)	Significant	8.2.5
LV04	Potential effects on views from selected residential property groups (E, F, H and J)	Significant	8.2.6
LV06	Potential effects on views from routes (B46, locally, and minor roads within 5 km of the site)	Significant	8.2.8
EC01	Surface disturbance causing habitat loss and fragmentation during the construction phase	Significant	8.11.5
SE01	Direct employment opportunities	Significant (positive)	8.13.3
SE02	Indirect and induced employment opportunities through the supply chain	Significant (positive)	8.13.4
SE03	Payment of taxes and increased government revenue	Significant (positive)	8.13.5
SE07	Loss of direct and indirect employment at the end of operation	Significant	8.13.9

8.8 The tables below summarises the impacts that are not significant following mitigation.

Table 8.4: Not significant impacts that require attention to confirm the management measures are effectively reducing the impact as predicted

Ref. code	Potential impact	Residual impact significance	Section
SW01	Potential impact on surface water flow in the Pollanroe Burn, Unnamed watercourse and Owenreagh River	Not significant	8.3.3

Ref. code	Potential impact	Residual impact significance	Section
	due to construction, operation and closure of proposed infrastructure site		
SW02	Potential impact on surface water flow in the Curraghinalt Burn and Owenkillew River due to construction, operation and closure of underground mine and existing surface infrastructure site	Not significant	8.3.4
SW03	Potential impact on surface water quality in the Pollanroe Burn and Owenreagh River due to construction, operation and closure of proposed infrastructure site	Not significant	8.3.5
SW04	Potential impact on surface water quality in the Curraghinalt Burn and Owenkillew River during construction, operation and closure of underground mine and existing surface infrastructure site	Not significant	8.3.6
GW01	Potential impact of changes in groundwater levels on peat and groundwater abstractions around the decline portal during construction	Not significant	8.3.7
GW02	Potential impact of changes to groundwater levels from dewatering of the mine on groundwater abstractions, surface water and peat	Not significant	8.4.4
GW04	Potential impact on groundwater quality from the DSF during operation	Not significant	8.4.6
GW06	Potential impact on groundwater quality from backfill paste, waste rock or open walls of the mine post-closure	Not significant	8.4.8
GW07	Potential impact on groundwater quality from the DSF post closure	Not significant	8.4.9
AQ01	Potential impact of dust emissions from construction activities at the proposed infrastructure site on receptors	Not significant	8.6.3
AQ05	Potential impact of dust from operational activities at the proposed infrastructure site on receptors	Not significant	8.6.7
N01	Potential increase in noise levels at the nearest receptors due to construction activities at the proposed infrastructure site	Not significant	8.7.3
N04	Potential increase in noise levels at the nearest receptors to the proposed infrastructure site during operation	Not significant	8.7.7
EC02	Potential impact of artificial lighting during the	Not significant	8.11.6

Ref. code	Potential impact	Residual impact significance	Section
	construction and operational phases		
EC04	Changes in water quality impacting on ecological receptors during the construction, operation and closure	Not significant	8.11.8
EC05	Potential impact of dust emissions from construction and operational activities at the proposed infrastructure site on ecological receptors	Not significant	8.11.9
EC07	Potential increase in noise levels at the nearest ecological receptors in the construction and operational phases	Not significant	8.11.11
EC08	Potential impact of an increase in ground vibration on ecological receptors during construction and operation	Not significant	8.11.12

Table 8.5: Not significant impacts that do not require further management or the management measures are standard operating practice

Ref. code	Potential impact	Residual impact significance	ES report section
LV02	Potential effects on local and regional landscape character areas and designated landscapes	Not significant	8.2.4
LV03	Potential effects on views from representative viewpoints and views to and from the Sperrin AONB (Viewpoints 6-9 and Sperrins AONB)	Not significant	8.2.5
LV04	Potential effects on views from selected residential property groups (A, B, C, D, G, I, K, L, M and N)	Not significant	8.2.6
LV05	Potential effects on views from settlements	Not significant	8.2.7
LV06	Potential effects on views from routes (A505, Central Sperrins Scenic Driving Route and White Hare Cycle Route)	Not significant	8.2.8
GW03	Potential impact on groundwater quality from backfill paste, waste rock or open walls of the mine during operation	No impact	8.4.5
GW05	Potential impact on groundwater quality from construction materials, fuel or chemical spills during construction and operation	Not significant	8.4.7
TR01	Potential impact on the existing highway network during construction	Not significant	8.5.3
TR02	Potential impact on the existing highway network	Not significant	8.5.4

Ref. code	Potential impact	Residual impact significance	ES report section
	during operation		
AQ02	Potential increase in vehicular emissions on public roads due to construction and operational phase vehicular activities	Not significant	8.6.4
AQ03	Potential impact of emissions from ventilation raises on air quality and dust deposition during operation	Not significant	8.6.5
AQ04	Potential impact of emissions from process stacks on receptors	Not significant	8.6.6
AQ06	Potential impact of trace metals in deposited dust	Not significant	8.6.8
N02	Potential increase in noise level at the nearest receptors during development and operation of the decline and ventilation raises	Not significant	8.7.4
N03	Potential increase in vehicular noise levels on/near public roads due to construction and operational activities	Not significant	8.7.5
V01	Potential impact of an increase in ground vibration from underground blasting on receptors and buildings during the construction and operational phases	Not significant	8.8.3
V02	Potential impact of an increase in ground vibration on receptors and buildings during construction at the proposed infrastructure site	Not significant	8.8.4
SS01	Potential risk of subsidence above the mine workings	Not significant	8.9.2
SS02	Potential risk of mining-induced seismicity	Not significant	8.9.3
RN01	Enhancement of radon and NORM levels above background concentrations as a result of mine activities	Not significant	8.10.1
EC03	Impacts of dewatering and changes in flow on ecological receptors during the construction, operational and closure phases	Not significant	8.11.7
EC06	Potential impact of vehicular emissions on ecological receptors	Not significant	8.11.10
CH01	Damage or loss of cultural heritage assets of local importance due to the construction of project infrastructure	Not significant	8.12.3
SE04	Potential increase in demand for accommodation and other services	Not significant	8.13.6
SE05	Potential impact on house prices	Not significant	8.13.7

Ref. code	Potential impact	Residual impact significance	ES report section
SE06	Potential impact on the local tourist economy	Not significant	8.13.8
N/A	Potential impacts to local community health	Not significant	8.14.1 - 8.14.7
N/A	Potential impacts identified along the proposed power line route	Not significant	8.15.2

9. Other Consenting Regimes

9.1 A range of other consents are required to enable the delivery of the project.

9.2 The detail of these is set out in Appendix 6.

9.3 The principal additional consents are as follows:

- Pollution Prevention & Control (PPC) Permit
- Hazardous Substance Consent (HSC)
- Abandonment Order

PPC Permit

9.4 The applicant is currently preparing an application for a PPC permit for the plant and it will be managed in accordance with the conditions of this permit, issued by Department of Agriculture, Environment & Rural Affairs (DAERA) - NIEA Industrial Pollution and Radiochemical Inspectorate, in order to minimise emissions from the site and ensure measures are in place to prevent accidents.

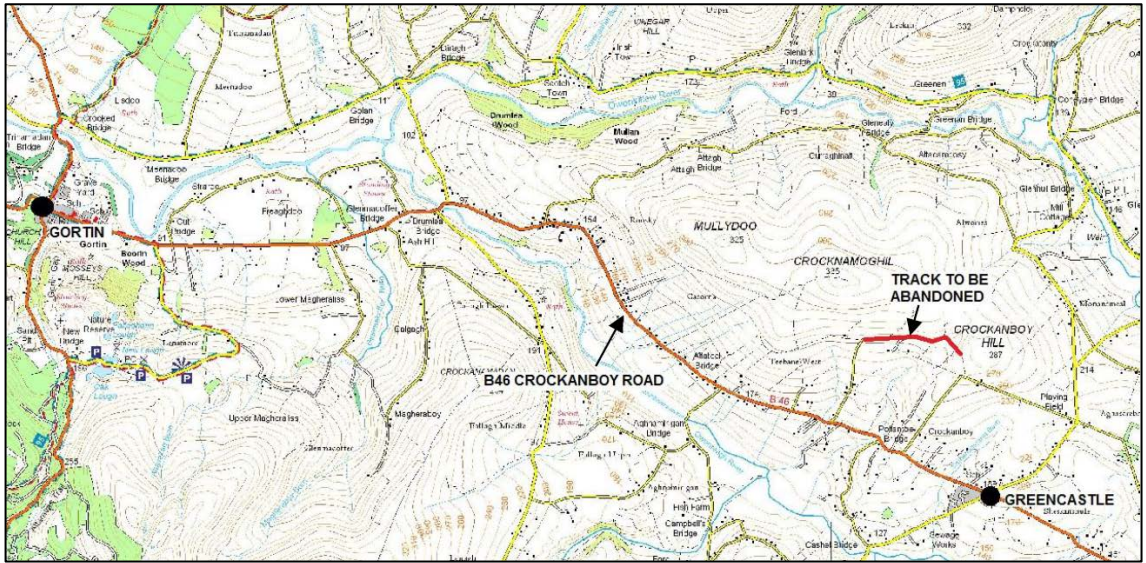
Hazardous Substances Consent

9.5 As part of the process the plant utilises sodium cyanide (NaCN) and as a result a Hazardous Substances Consent (HSC) is required under The Planning (Hazardous Substances) (No. 2) Regulations (Northern Ireland) 2015. This application will be made to Fermanagh & Omagh District Council (FODC). It is anticipated that DfI will call the application in for determination alongside the planning application.

Abandonment Order/Stopping-Up Order

9.6 The proposals involve the abandonment of a section (1115m) of public road. The road is located north of the B46 Crockanboy Road and is situated between Greencastle and Gortin – see Figure 9.1.

Figure 9.1: Local setting of proposed road to be abandoned



9.7 Alternative provision is made within the project design. This will require an Abandonment Order under Article 68 of The Roads (NI) Order 1993. Further details on the road abandonment process is set out in Section 4 of the Transport Assessment prepared by Hoy Dorman.

Figure 9.2: Proposed road to be abandoned



Additional Consents, Permits & Licenses

9.8 The following additional consents, permits and licenses are likely to be required to construct and operate the proposed mine and processing facility:

- Consent to discharge storm water from the project site;

- Consent to discharge treated water into adjacent watercourses;
- Consent to alter a watercourse;
- An abstraction license for mine dewatering;
- A license for the storage of explosives;
- An excavation licence;
- A wildlife licence for the relocation of identified protected species; and
- Planning permission for a power supply connection.

9.9 In addition, it is likely that the project will be the subject of a Control of Major Accidents Hazards regime.

Interaction with Planning Process

9.10 Each of these consenting regimes is governed by their own individual processes and timescales – including publicity and notification requirements - which are separate to but interact, to a greater or lesser extent, with the planning process. In particular, it is anticipated that the PPC permit and HSC will be processed in parallel with the main planning application which, the approval of which would also serve as a permit for mine wastes under the Mining Waste Directive.

10. Next Steps in Planning

10.1 The initial steps for DfI in the planning process are as follows:

- Advertisement of receipt of the planning application & availability of the environmental information for review and representations;
- Neighbour notification; and
- Consultation with statutory and non-statutory consultees.

10.2 Once a planning reference number is given to the planning application it will be possible for interested parties to inspect the planning package via the planning portal and check on its progress.

10.3 The applicant will respond appropriately to any requests for clarification or additional information in response to DfI's processing of the planning application with a view to supporting the timely and rigorous assessment of the extensive body of materials which have been made available.

Appendix 1: Regional Significance Correspondence



DOE

Department of
the Environment
www.doeni.gov.uk

Strategic Planning Division

Ms S Tinsley
Turley
Hamilton House
3 Joy Street
Belfast
BT2 8LE

5th Floor
Causeway Exchange
1-7 Bedford Street
Town Parks
Belfast
BT2 7EG

Telephone: (028) 90 823424
Email: Niall.marshall@doeni.gov.uk

Your Ref:
Our Ref: S26/3/2015
Date: 26 May 2015

Dear Ms Tinsley,

Re: Section 26 of the Planning Act (Northern Ireland) 2011 in relation to a proposal for underground mining at Curraghinalt, Gortin, C. Tyrone.

Having considered the information provided, the Department is of the opinion that the above proposal would, if carried out;-

- (a) be of regional significance to the whole or a substantial part of Northern Ireland or have significant effects outside Northern Ireland, or
- (b) involve a substantial departure from the local development plan for the area to which it relates;

Therefore, I can confirm that a planning application made for this development should be submitted to the Department.

Yours sincerely

Stephen Hamilton
For and on behalf of the Department of Environment (NI)

Turley Belfast 27 MAY 2015
To:
Fwd to:
Date:

Appendix 2: Drawing Schedule

Curraghinalt Project

Drawing Schedule

Table 1.1 Planning Application Drawings (Teague & Sally)

Drawing Title	Drawing Ref
Processing – Overall General Arrangement	C3515 - S01
Crusher Plan & Section	C3515 - S02
Crusher Elevations	C3515 - S03
Stockpile Plan & Section	C3515 - S04
Stockpile Elevations	C3515 - S05
Processing Plant - Plan Sheet 1	C3515 - S06
Processing Plant - Plan Sheet 2	C3515 - S07
Processing Plant - Section Sheet 1	C3515 - S08
Processing Plant - Section Sheet 2	C3515 - S09
Processing Plant - Section Sheet 3	C3515 – S10
Processing Plant - Section Sheet 4	C3515 – S11
Processing Plant - Section Sheet 5	C3515 – S12
Processing Plant - Section Sheet 6	C3515 – S13
Processing Plant - Section Sheet 7	C3515 – S14
Processing Plant - Elevation Sheet 1	C3515 – S15
Processing Plant - Elevation Sheet 2	C3515 – S16
Processing Plant - Elevation Sheet 3	C3515 – S17
Truck Shop Ground Floor Plan	C3515 – S18
Truck Shop First Floor Plan	C3515 – S19
Truck Shop Elevations	C3515 – S20
Truck Shop Sections	C3515 – S21
Warehouse Plan, Section, Elevations	C3515 – S22
Mine Rescue Plan, Section, Elevations	C3515 – S23
Water Treatment Plant Plan	C3515 – S24
Water Treatment Plant Elevations	C3515 – S25
Portal General Arrangement	C3515 – S26
Admin and Dry Building	C3515 – S27
Assay Lab	C3515 – S28

Drawing Title	Drawing Ref
Vent Collar General Arrangement	C3515 – S29
Transformers	C3515 – S30
Electrical Rooms	C3515 – S31
Bat House	C3515 – S32
Security Fencing	C3515 – S33

Table 1.2 Planning Application Drawings (Hoy Dorman)

Drawing Title	Drawing Ref
Site Location Plan	2016021-P-CIV-001
Regional Site Location Plan	2016021-P-CIV-001A
Site Location Plan including Extraction and Exploration Areas	2016021-P-CIV-001B
Existing Site Plan	2016021-P-CIV-002
Site Location Plan Illustrating Proposed Developments/Working Areas	2016021-P-CIV-003
General Site Layout Plan	2016021-P-CIV-004
Proposed Site Cross Section Plan	2016021-P-CIV-005
Proposed Site Cross Sections A & B	2016021-P-CIV-006
Proposed Site Cross Sections C & D	2016021-P-CIV-007
Proposed Site Cross Sections E & G	2016021-P-CIV-008
Proposed Site Cross Section F	2016021-P-CIV-009
Proposed Site Cross Section H	2016021-P-CIV-010
Proposed Site Cross Sections I, J & K	2016021-P-CIV-011
1000 L Fuelstore – Dispensing Equipment	2016021-P-CIV-012
27,500 L Fuelstore – Dispensing Equipment	2016021-P-CIV-013
Proposed Layout Plan	2016021-P-CIV-100
Proposed Site Access Junction Details	2016021-P-CIV-101
Proposed Site Access Junction Details	2016021-P-CIV-102
Proposed Site Access Junction Details	2016021-P-CIV-103
Proposed Road Longsections	2016021-P-CIV-104
Proposed Road Longsections	2016021-P-CIV-105
Proposed Road Longsections	2016021-P-CIV-106
Proposed Road Longsections	2016021-P-CIV-107
Proposed Road Longsections	2016021-P-CIV-108

Drawing Title	Drawing Ref
Proposed Road Longsections	2016021-P-CIV-109
Proposed Road Longsections	2016021-P-CIV-110
Proposed Road Longsections	2016021-P-CIV-111
Proposed Road Longsections	2016021-P-CIV-112
Proposed Road Longsections	2016021-P-CIV-113
Proposed Road Longsections	2016021-P-CIV-114
Proposed Road Longsections	2016021-P-CIV-115
Proposed Carpark Layout & Pedestrian Access	2016021-P-CIV-116
Typical Road Pavement & Culvert Details	2016021-P-CIV-117
Proposed Pavement Cross Sections Sheet 1 of 2	2016021-P-CIV-118
Proposed Pavement Cross Sections Sheet 2 of 2	2016021-P-CIV-119
Proposed Turning Yard at Lenagh Road	2016021-P-CIV-120
Passing Bay Location Plan	2016021-P-CIV-200
Passing Bay No 1 Improvements	2016021-P-CIV-201
Passing Bay No 2 Improvements	2016021-P-CIV-202
Passing Bay No 3 Improvements	2016021-P-CIV-203
Passing Bay No 3A Improvements	2016021-P-CIV-204
Passing Bay No 4 Improvements	2016021-P-CIV-205
Passing Bay No 5 Improvements	2016021-P-CIV-206
Passing Bay No 5A Improvements	2016021-P-CIV-207
Passing Bay No 6 Improvements	2016021-P-CIV-208
Passing Bay No 7 Improvements	2016021-P-CIV-209
Passing Bay No 7A Improvements	2016021-P-CIV-210
Passing Bay No 7B Improvements	2016021-P-CIV-211
Passing Bay No 8 Improvements	2016021-P-CIV-212
Passing Bay No 8A Improvements	2016021-P-CIV-213
Passing Bay No 9 Improvements	2016021-P-CIV-214
Passing Bay No 10 Improvements	2016021-P-CIV-215
Passing Bay No 11 Improvements	2016021-P-CIV-216
Passing Bay No 13 Improvements	2016021-P-CIV-217
Passing Bay No 14 Improvements	2016021-P-CIV-218
Passing Bay No 16 Improvements	2016021-P-CIV-219

Drawing Title	Drawing Ref
Passing Bay No 17 Improvements	2016021-P-CIV-220
Passing Bay No 18 Improvements	2016021-P-CIV-221
Passing Bay No 19 Improvements	2016021-P-CIV-222
Passing Bay No 20 Improvements	2016021-P-CIV-223
Passing Bay No 21 Improvements	2016021-P-CIV-224
Camcosy Road Passing Bay Improvement Standard Details	2016021-P-CIV-225
Proposed Storm Drainage Sheet Layout Plan	2016021-P-CIV-301
Proposed Storm Drainage Sheet Layout Sheet 1 of 8	2016021-P-CIV-302
Proposed Storm Drainage Sheet Layout Sheet 2 of 8	2016021-P-CIV-303
Proposed Storm Drainage Sheet Layout Sheet 3 of 8	2016021-P-CIV-304
Proposed Storm Drainage Sheet Layout Sheet 4 of 8	2016021-P-CIV-305
Proposed Storm Drainage Sheet Layout Sheet 5 of 8	2016021-P-CIV-306
Proposed Storm Drainage Sheet Layout Sheet 6 of 8	2016021-P-CIV-307
Proposed Storm Drainage Sheet Layout Sheet 7 of 8	2016021-P-CIV-308
Proposed Storm Drainage Sheet Layout Sheet 8 of 8	2016021-P-CIV-309
Proposed Drainage Standard Details	2016021-P-CIV-310

Table 1.3 Planning Application Drawings (Land Use Consultants)

Drawing Title	Drawing Ref
Removal of Existing Vegetation	6335_001
Landscape Plan	6335_002
Restoration Plan	6335_003

FOR INFORMATION PURPOSES ONLY

Table 1.4 Conceptual Mine Waste Facility Drawings (see Appendix B3 of Volume 3 of the Environmental Statement – Appendix G - Mine Waste Facility Technical Design Report drawings)

Drawing Title	Drawing Ref
General Site Plan	Figure 1
Mine Waste Facility Underdrainage	Figure 2
Mine Waste Facility Overdrainage	Figure 3
Mine Waste Facility (Year -1)	Figure 4
Mine Waste Facility (End of Year 1)	Figure 5
Mine Waste Facility (End of Year 5)	Figure 6
Mine Waste Facility (End of Year 9)	Figure 7
Mine Waste Facility (End of Year 11)	Figure 8
Mine Waste Facility Final Layout	Figure 9
Mine Waste Facility Sections AA, BB, and CC	Figure 10
Mine Waste Facility Typical Sections and Details	Figure 11
Mine Waste Facility Waste Rock Management Concepts	Figure 12
Peat Thickness Topography	Figure 13

Table 1.5 Underground Plans (see Appendix B1 of Volume 3 of the Environmental Statement)

Drawing Title
Illustrative Mine Schematic Long Section
Surface Ramp Level Plan
Fuelling Station
Refuge Station (including lunch room) Typical Plan and Sections
Sump Plan and Sections
Bulk Explosives Magazine General Arrangement and Section View
Detonator Magazine – General Arrangement
Underground Paste Plant Flow Sheet – Dewatering – Water and Air Services
Underground Paste Plant Flow Sheet Filter
Underground Paste Plant Flow Sheet Paste Mixer & Binders
Underground Paste Plant Underground Single Line Diagram
Underground Paste Plant General Arrangement - Ground Floor - Plan View

Drawing Title

Underground Paste Plant General Arrangement - Paste Mixer & Conveyor Floor - Plan View

Paste Plant General Arrangement - Filter Floor - Plan View

Underground Paste Plant General Arrangement - Elevation View

Underground Paste Plant General Arrangement - Ground Floor

Underground Paste Plant Ventilation – 0170m EL

Cross Cuts Profile – Cross Section

Cut and Fill Lifts Ore Profile – Cross Section

Cut and Fill Lifts Waste Profile – Cross Section

Footwall Profile – Cross Section

Mine Ramp Profile – Cross Section

Remuck / Sump Profile – Cross Section

Sub-Level Ore Profile – Cross Section

Sub-Level Waste Profile – Cross Section

Vent Access Profile – Cross Section

Appendix 3: Pre-Application Notice

Form PAN1

Proposal of Application Notice

Planning Act (Northern Ireland) 2011

Official Use

Application No.: _____

Date Received: _____

Planning (General Development Procedure) Order (Northern Ireland) 2015

To be completed for all developments within the major category of development.

1.) Name of council within which the proposed development is located

Fermanagh and Omagh District Council

2.) Address of proposed development

Lands north west of Greencastle and east of Rouskey: north of the Crockanboy Road, mainly west of Mullydoo Road, north and south of Camcosy Road and works, as required, along the Camcosy Road between lands approximately 165 metres west of no. 45 Camcosy Road and no. 2 Camcosy Road (in the townlands of Crockanboy, Teebane West, Casorna, Rouskey, Drumlea, Attagh, Curraghinalt, Altcamcosy, Alwories and Monanameal).

3.) Description of proposal

Underground valuable minerals mining and exploration including new portal (tunnel entrance), decline, paste plant, secure explosives store and ancillary infrastructure.

Associated surface level development including:

- processing plant
- mine waste storage facility
- administrative, welfare, maintenance & secure storage buildings
- vehicle parking and internal roads
- new water treatment facility and associated water storage ponds
- electricity substation
- communications tower
- new site access from Crockanboy Road (approximately 25m to the east of 225 Crockanboy Road)
- landscaping
- perimeter fencing

Demolition (when required) of existing holiday cottage and associated buildings at 80 Mullydoo Road, Greencastle, BT79 7QP.

A new route located to the south of the proposed mine waste storage facility.

Retention of the existing portal, tunnel and surface development at lands 165 metres west of no. 45 Camcosy Road (approved under planning permissions K/2014/0246/F and K/2013/0072/F), with consequential amendments to planning conditions limiting the duration of this development and its restoration). Additional water treatment facilities at this existing site to serve the mine.

Road improvements, as required, along the extent of the Camcosy Road between lands approximately 165 metres west of no. 45 Camcosy Road and no. 2 Camcosy Road (turning point west of Rouskey).

Mine closure and associated phased landscape restoration.

4.) Notice is hereby given to The Department for Infrastructure

by (name of applicant) Dalradian Gold Limited

of the following postal address 3 Killybrack Road, Killybrack Business Park,
Omagh, BT79 7DG

5.) Of the form of consultation the prospective applicant proposes to undertake e.g. public meeting

- Two Public Information Event (PIEs) which will take the form of an exhibition with opportunity for feedback.
- The PIEs will be advertised in the following newspapers: - Fermanagh News, Fermanagh Herald, Impartial Reporter, Tyrone Constitution, Ulster Herald, Mid Ulster Observer, Mid Ulster Mail, Tyrone Courier, Dungannon Observer Tyrone Democrat and Strabane Chronicle, Strabane Weekly News and Strabane Herald.
- Information leaflet to 1500 – 1600 properties, including those within close proximity to the application site, providing information on the project, publicising the events and including a feedback form (and prepaid envelope).
- Will request meetings with immediate neighbours providing information on the project and gathering feedback.
- Will make available staff to facilitate meetings with residents.
- Will request meetings with MP, MLAs, Councillors and Council officials.
- Will request meetings with community groups.
- Will request meetings with business organisations and Chambers of Commerce, including Omagh and Strabane Chambers.
- Project information on the Dalradian website, including an email address to provide feedback and on the Dalradian Facebook page.

6.) To be held on (insert date) Saturday 22 & Wednesday 26 October 2016

at the following venue: Rouskey Community Centre

7.) The following parties have received a copy of this proposal of application notice:
Department for Infrastructure

8.) For further details contact Turley

on telephone no. 028 9072 3900

and / or at the following address 3 Joy Street, Belfast BT2 8LE

9.) I certify that I have attached a plan outlining the site

Signed

On behalf of Turley

Date: 30 August
2016

Form PAN1

Proposal of Application Notice

Planning Act (Northern Ireland) 2011

Official Use

Application No.: _____

Date Received: _____

Planning (General Development Procedure) Order (Northern Ireland) 2015

To be completed for all developments within the major category of development.

1.) Name of council within which the proposed development is located

Fermanagh and Omagh District Council

2.) Address of proposed development

Lands north west of Greencastle and east of Rouskey: north of the Crockanboy Road, mainly west of Mullydoo Road, north and south of Camcosy Road and works, as required, along the Camcosy Road between lands approximately 165 metres west of no. 45 Camcosy Road and no. 2 Camcosy Road (in the townlands of Crockanboy, Teebane West, Casorna, Rouskey, Drumlea, Attagh, Curraghinalt, Altcamcosy, Alwories and Monanameal).

3.) Description of proposal

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Associated surface level development including:

- processing plant
- mine waste storage facility
- administrative, welfare, maintenance & secure storage buildings
- vehicle parking and internal roads
- new water treatment facility and associated water storage ponds
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Mine closure and associated phased landscape restoration.

4.) Notice is hereby given to The Department for Infrastructure

by (name of applicant) Dalradian Gold Limited

of the following postal address 3 Killybrack Road, Killybrack Business Park,
Omagh, BT79 7DG

5.) Of the form of consultation the prospective applicant proposes to undertake e.g. public meeting

- Two Public Information Event (PIEs) which will take the form of an exhibition with opportunity for feedback.
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- Information leaflet to 1500 – 1600 properties, including those within close proximity to the application site, providing information on the project, publicising the events and including a feedback form (and prepaid envelope).
- Will request meetings with immediate neighbours providing information on the project and gathering feedback.
- Will make available staff to facilitate meetings with residents.
- Will request meetings with MP, MLAs, Councillors and Council officials.
- Will request meetings with community groups.
- Will request meetings with business organisations and Chambers of Commerce, including Omagh and Strabane Chambers.
- Project information on the Dalradian website, including an email address to provide feedback and on the Dalradian Facebook page.

6.) To be held on (insert date) Saturday 19 & Monday 21 November 2016

at the following venue:

Current site 165m West of 45 Camcosy Road, Rouskey, BT79 7SF

7.) The following parties have received a copy of this proposal of application notice:
Department for Infrastructure

8.) For further details contact Turley
on telephone no. 028 9072 3900
and / or at the following address 3 Joy Street, Belfast BT2 8LE

9.) I certify that I have attached a plan outlining the site

Signed

On behalf of Turley

Date: 30 August
2016

Appendix 4: Schedule of Pre-Application Meetings

Pre-Application Meeting	Date of Meeting/Site Visit/Conference Call
Initial PAD meeting (planning)	7 December 2015
PAD sub meeting (waters)	12 January 2016
PAD sub meeting (ecology)	12 January 2016
PAD sub meeting (noise and air quality)	15 January 2016
PAD sub meeting (landscape and visual)	18 January 2016
PAD sub meeting (Transport Assessment and Abandonment Order)	22 January 2016
2 nd PAD meeting (planning/general)	3 February 2016
3 rd PAD meeting (planning)	25 February 2016
PAD sub meeting (IPRI/PPC permitting)	24 March 2016
PAD sub meeting (water)	5 April 2016
PAD sub meeting (noise and dust) including Site Visit	18 April 2016
PAD sub meeting (GSNI)	25 April 2016
4 th PAD meeting (planning)	25 April 2016
Site Visit (Geological Survey NI/Loughs Agency)	27 April 2016
5 th PAD meeting (planning)	23 May 2016
PAD sub meeting (Transport Assessment and Abandonment Order)	2 June 2016
6 th PAD meeting (planning)	23 June 2016
Conference call (water quality)	30 June 2016
PAD sub meeting (IPRI/PPC permit)	4 August 2016
7 th PAD meeting (planning)	4 August 2016
PAD sub meeting (landscape and visual)	16 August 2016
8 th PAD meeting (planning)	16 August 2016
PAD sub meeting (Transport Assessment and Abandonment Order)	19 August 2016
9 th PAD meeting (planning) - PAN submission	23 August 2016
PAD sub meeting (water/discharge/Schedule 6 consents)	22 September 2016
10 th PAD meeting (planning) including discussion with	11 October 2016

Pre-Application Meeting	Date of Meeting/Site Visit/Conference Call
Economics Branch	
PAD sub meeting (Fermanagh and Omagh District Council Environmental Health; Public Health Agency; IPRI/PPC permit)	28 October 2016
PAD sub meeting Ecology and Habitats (including peatlands)	1 November 2016
PAD sub meeting (water)	9 November 2016
PAD sub meeting (peat)	9 November 2016
PAD sub meeting (IPRI/PPC permit)	22 November 2016
11 th PAD meeting (planning)	24 November 2016
PAD sub meeting (water)	26 January 2017
PAD sub meeting (Transport Assessment and Abandonment Order)	9 February 2017
PAD sub meeting (IPRI/PPC permit and the Waste Management Plan)	22 February 2017
PAD sub meeting (peat)	22 February 2017
PAD sub meeting (peat on-site visit)	7 March 2017
12 th PAD meeting (planning)	6 April 2017
13 th PAD meeting (planning)	1 June 2017
PAD sub meeting (IPRI/PPC permit and the Waste Management Plan)	9 June 2017
PAD sub meeting (water)	15 June 2017
PAD sub meeting (economics)	28 June 2017
Sub meeting (Health and Safety Executive)	6 July 2017

Appendix 5: Schedule of Consents, Permits & Licenses²

Project Element	Issuing Body	Type of Consent
Water – discharge	Department of Agriculture, Environment & Rural Affairs (DAERA) - Water Management Unit of NIEA	Discharge Consent
Stormwater discharge and alteration to water courses	Department for Infrastructure - Rivers Agency	Schedule 6 Consents
Mine dewatering	DAERA – Abstraction and Impoundment (AIL) Licensing team of NIEA	Abstraction Licence
Internal access	Department for Infrastructure (<i>previously Transport NI within the Department of Regional Development</i>)	Abandonment Order
Pollution Prevention	DAERA - NIEA Industrial Pollution and Radiochemical Inspectorate	PPC Permit
Storage of explosives	Department of Justice	Explosives Licence
Off-Site Power Infrastructure – 33 kV power line	Fermanagh and Omagh District Council and Derry City and Strabane District Council	Planning permission
Excavation	Department for Communities – Historic Environment Division	Excavation Licence
Relocation of identified protected species (e.g. newts)	DAERA - wildlife licensing	Derogation licence

² Other licences, permits may be required

Turley Office
Belfast

T 02890723900

Turley