



2017 SUSTAINABILITY PERFORMANCE

# Letter to Stakeholders

**Welcome to the 2017 Dundee Precious Metals' (DPM) Sustainability Performance Data Supplement.** Our sustainability performance reporting cycle continues to alternate between a full Global Reporting Standards (GRI) compliant report every two years, complemented by a performance data supplement in the intervening years. In this regard, we ask that you read this data supplement as an addendum to our [2016 Sustainability Report](#) published in May 2017, where we discuss in more detail our approach to managing sustainability-related topics.

2017 was a busy year for DPM, with many sustainable business development projects either initiated or completed, including the above-mentioned externally assured GRI compliant Sustainability Report.

We have reflected a lot on what sustainability and sustainable development means in our industry, and the impacts and influences we have on the countries and local communities in which we operate. Since the foundation of our company, we have always acknowledged the importance of sustainable business development in our decision-making and throughout the evolution of our corporate strategy, mission, vision and values.

In short, sustainability begins with the way we think, the way we behave as individuals and as a Company, and the way we operate. We understand that sustainability in the mining industry requires that companies have an enduring and robust business strategy that can deliver prosperity to all stakeholders over the long term. At DPM, we believe that we achieve this through a holistic approach to Corporate Responsibility, which is one of the Company's four strategic imperatives— together with Effective & Accountable

Organization, Core Business Excellence and Creativity & Innovation—embedded into all aspects of the business over the lifecycle of its activities.

The entire foundation of the Company and its approach to corporate responsibility is built on six Core Values: Safety, Dignity & Respect, Environmental Responsibility, Community Investment, Continuous Improvement, and Transparency. These, together with the strategic imperatives support the Company's brand promise: *We Succeed Because We Care.*

We also believe that successful corporate responsibility is predicated on: having capable, engaged, committed and motivated people at every level of the organization; having informed and engaged stakeholders; applying global thinking with a localized approach; committing to and applying international good practices, wherever we do business; providing the appropriate human, financial and technical resources to support responsible business practices; and having unquestionable ethics.

We operationalize this by having a business model that embeds risk and performance management, transparent reporting, and continuous improvement into every aspect and level of the business.

At the 2015 United Nations Summit on Sustainable Development, seventeen Sustainable Development Goals (SDGs) were adopted that aim to end poverty, protect the environment and promote prosperity by 2030. At DPM, we believe that the private sector has a vital role to play in achieving these goals. In our view, both the appropriate international and national policies together with the alignment of private sector business strategies and objectives are required if these goals are to be successfully

achieved by 2030. For DPM, this means that we need to be aware of and understand how our everyday business activities impact society as a whole. This, in turn, influences how we think about occupational and community health and safety, environmental protection and stewardship, social wellbeing, and sustainable business development throughout the entire business cycle, including closure and post-closure. It also requires continuous engagement with all our stakeholders in order to achieve the desired outcome of having a sustainable business.

In our 2016 Sustainability Report we mapped out our general impacts and their relationship with the SDGs, and in 2017 we further determined that one of our biggest contributions to the SDGs was in relation to how we manage and use our water and energy resources—and the resulting carbon emissions—throughout our operations. Consequently, we are developing plans to improve our performance in these two specific areas over the next several years. These initiatives, among others, are reflected in our Balanced Scorecard System (BSC)—a strategic planning and management system used to align our business activities and objectives to the Company's vision and strategy, improve internal and external communications, and monitor organizational performance relative to our strategic goals. This system is also the foundation of our executive and management compensation structure.

We are also improving our corporate framework of policies, standards and procedures, which will result in a more robust and responsive corporate-wide risk management system. These initiatives will be further strengthened by the adoption and alignment of our operations and projects with the Performance Standards of the European Bank for Reconstruction

and Development (EBRD), with whom we have had a successful partnership for many years.

In addition to our systems and environmental management initiatives, we continue to support the communities where we operate. This takes many forms, and in addition to our ongoing community investment programs, which are primarily focused on sustainable development initiatives, we continue to actively engage with our stakeholders in meaningful ways. This is achieved through dynamic stakeholder engagement planning and execution, community information centres, public meetings, employee engagement surveys, newsletters and formal grievance mechanisms.

DPM recognizes that sustainable development is a priority for communities, policy makers and businesses. In Namibia specifically, we have taken a leading role in supporting and being active on all the pillars outlined in the draft New Equitable Economic Empowerment Framework, including progressing further with our intention to empower Previously Disadvantaged Namibians (PDNs) through ownership of our Tsumeb smelter operations and increasing our procurement with PDN-owned businesses.

The health and safety of our workforce and the communities of operation is a core value at DPM. At Tsumeb, through continuing investment in environmental controls and targeted exposure reduction programs, air quality and worker health risks have been dramatically improved since DPM began operating the smelter.

Our achievements in 2017 and any future successes would not be possible without the commitment and dedication of our talented employees. We remain committed to hiring local nationals in both management and non-management positions and seek to ensure that men and women receive equal remuneration for the same work based on experience and length of employment.

DPM's 2017 Employee Engagement Survey results showed continuous improvement over a 3-year period and the latest results were higher than benchmark levels in ten out of eleven categories surveyed. External validation of our work with employees came in the form of numerous prestigious awards. In Namibia, Tsumeb was awarded the Platinum Prize for Employer of the Year by Deloitte. We are also proud of our Bulgarian employees who have been the recipients of several national and international awards recognizing their achievements in a variety of disciplines, such as, quality, health and safety, corporate social responsibility, gender equality, and sustainable mining. Our Bulgarian operations also won the prestigious Socrates Award for Best Enterprise and Manager of the Year.

In Bulgaria, our Krumovgrad Project is progressing well and has been developed as an example of best practice and responsible mining. It is the first new mining project in Bulgaria to be constructed inside the boundaries of a European Union-designated Natura 2000 protected area. DPM has established programs to ensure a focus on hiring from the local community, non-discriminatory recruitment practices, and has developed an Environmental Management Plan, Biodiversity Action Plan, and Water Management Program in line with EBRD Performance Requirements. Krumovgrad is also committed to supporting the development of small and medium-size enterprises and supporting the Municipal initiatives in regard to infrastructure development, education, and health and social services. This project has been shaped by many community, government and non-governmental stakeholders who have expressed their desires and concerns for the project and who have worked closely with us to find mutually acceptable solutions. This is proof of our strong commitment to establishing long term and trust-based stakeholder partnerships.

Outside of our core mining and processing businesses, we have made great strides in becoming a leader in mine-related technology solutions. In 2017, we acquired a 78% equity interest in MineRP Holdings, an independent software vendor for the mining industry. We subsequently combined our proprietary wireless underground communications technology developed at Chelopech with MineRP's technology platforms, to create a leading technology provider that is well-positioned to further capture the rapidly growing demand in the mining industry for digital innovation. We will provide more information on this subsidiary in next year's Sustainability Report.

In addition to implementing MineRP's software platforms, we are also piloting some exciting new digital solutions that will help DPM become a more effective organization and improve our sustainability performance.

We look forward to publishing our next full GRI-compliant report in 2019. We have already embarked on this journey by recently updating our Materiality Assessment to better reflect what is considered material to our stakeholders and us.

Thank you for taking the time to read this report. Our aim is to make a difference wherever we can, build a resilient business, be the best employer, a strong community partner and a steward of our natural environment. This is the reason corporate responsibility is a strategic imperative at DPM. This report acts as a key component of that strategic imperative and demonstrates that our commitment to sustainable development is good for business and more than mere words on a page.

**Rick Howes**

President and Chief Executive Officer

**Nikolay Hristov**

Senior Vice President, Sustainable Business Development

# ENVIRONMENTAL

## Materials Used

|  | 2017                   | 2016                 | 2015      | 2014         | 2013         |
|--|------------------------|----------------------|-----------|--------------|--------------|
| <b>Ore processed (tonnes)</b>  |                        |                      |           |              |              |
| Chelopech  | 2,218,717              | 2,212,340            | 2,052,138 | 2,076,112    | 2,032,002    |
| <b>Ore mined (tonnes)</b>  |                        |                      |           |              |              |
| Chelopech  | 2,232,799              | 2,211,814            | 2,039,921 | 2,053,612    | 2,029,702    |
| <b>Waste rock mined (tonnes)</b>   |                        |                      |           |              |              |
| Chelopech  | 202,700                | 254,222              | 210,911   | 207,099      | 222,710      |
| <b>Concentrate smelted (tonnes)</b>                                      |                        |                      |           |              |              |
| Tsumeb   | 219,252                | 210,655              | 196,107   | 198,346      | 152,457      |
| <b>Copper blister produced (tonnes)</b>                                  |                        |                      |           |              |              |
| Tsumeb   | 45,523                 | 40,869               | 45,221    | 36,877       | 24,720       |
| <b>Lime (tonnes)</b>   |                        |                      |           |              |              |
| Chelopech  | 6,034                  | 6,732                | 7,001     | 7,425        | 4,543        |
| Tsumeb   | 10,082                 | 8,831                | 7,912     | 2,760        | 1,767        |
| <b>Cement (tonnes)</b>   |                        |                      |           |              |              |
| Chelopech  | 38,834                 | 45,648               | 35,876    | 38,589       | 35,053       |
| <b>Blasting agents (tonnes)</b>  |                        |                      |           |              |              |
| Chelopech  | 1,140                  | 1,159                | 1,012     | 1,005        | 1,101        |
| Tsumeb   | 5.1                    | 6.5                  | 4         | 5            | 0            |
| Krumovgrad   | n/a                    | n/a                  | n/a       | n/a          | n/a          |
| <b>Black oil/heavy fuel oil (kilograms)</b>                              |                        |                      |           |              |              |
| Chelopech  | 967,509                | 943,820              | 1,082,060 | 1,121,485    | 1,105,000    |
| Tsumeb   | 2,684,873 <sup>1</sup> | 2,174,506            | 2,026,500 | 934,000      | 1,244,390    |
| Krumovgrad   | 0                      | n/a                  | n/a       | n/a          | n/a          |
| <b>Light fuel oil (kilograms)</b>  |                        |                      |           |              |              |
| Tsumeb   | 2,252,145 <sup>2</sup> | 1,680,012            | 1,722,000 | not reported | not reported |
| <b>Diesel – mine, process plant, light vehicles (litres)<sup>3</sup></b> |                        |                      |           |              |              |
| Chelopech  | 2,551,666              | 2,635,976            | 2,550,919 | 2,497,735    | 2,538,081    |
| Tsumeb   | 1,182,584              | 2,294,100            | 1,276,092 | 655,600      | 1,008,376    |
| Krumovgrad   | n/a                    | n/a                  | n/a       | n/a          | n/a          |
| <b>Coal / Charcoal (tonnes)</b><br>(data has been merged)                |                        |                      |           |              |              |
| Tsumeb   | 8,550 <sup>4</sup>     | 9,487                | 8,268     | 7,215        | 17,998       |
| <b>Steel balls and rods (tonnes)</b>                                     |                        |                      |           |              |              |
| Chelopech  | 2,568                  | 2,764                | 2,505     | 2,699        | 2,229        |
| Tsumeb   | 194                    | 270                  | 212       | 973          | 540          |
| <b>Oxygen (tonnes)</b>   |                        |                      |           |              |              |
| Tsumeb   | 81,243                 | 135,258 <sup>5</sup> | 72,197    | 68,622       | 35,701       |

<sup>1</sup> Ausmelt now using only heavy fuel oil rather than a mix of heavy and light fuel oil.

<sup>2</sup> Commissioning of Matte holding furnace and using more light fuel oil instead of diesel at converters.

<sup>3</sup> Diesel for mine, process plant and light vehicles merged in 2017.

<sup>4</sup> Procured amount not consumed.

<sup>5</sup> 2016 number is for oxygen produced not consumed.

# ENVIRONMENTAL

## Direct Energy Use (Gigajoules)

|   | 2017    | 2016    | 2015    | 2014         | 2013         |
|---|---------|---------|---------|--------------|--------------|
| <b>Black oil/heavy fuel oil</b>   |         |         |         |              |              |
| Chelopech   | 38,700  | 37,753  | 43,282  | 44,859       | 43,634       |
| Tsumeb  | 110,872 | 88,829  | 82,783  | 38,154       | 59,259       |
| Krumovgrad  | n/a     | n/a     | n/a     | n/a          | n/a          |
| <b>Light fuel oil (kilograms)</b>   |         |         |         |              |              |
| Tsumeb  | 90,987  | 64,974  | 66,602  | not reported | not reported |
| <b>Diesel – mine, process plant and light vehicles (includes petrol/gasoline)</b> |         |         |         |              |              |
| Chelopech   | 90,093  | 88,089  | 84,721  | 83,172       | 86,033       |
| Tsumeb  | 43,209  | 83,514  | 36,024  | 4,679        | 2,162        |
| Krumovgrad  | n/a     | n/a     | n/a     | n/a          | n/a          |
| <b>Coal / Charcoal</b><br>(data has been merged)                                  |         |         |         |              |              |
| Tsumeb  | 231,237 | 295,331 | 242,772 | 227,433      | 576,737      |

## Indirect Energy Use (Gigajoules)

|                    | 2017    | 2016    | 2015    | 2014    | 2013    |
|--------------------|---------|---------|---------|---------|---------|
| <b>Electricity</b> |         |         |         |         |         |
| Chelopech          | 391,201 | 395,443 | 390,179 | 384,095 | 407,963 |
| Tsumeb             | 578,571 | 573,617 | 502,654 | 446,691 | 323,346 |
| Krumovgrad         | n/a     | n/a     | n/a     | n/a     | n/a     |

## Energy Use Intensity

|   | 2017 | 2016 | 2015 | 2014 | 2013 |
|---|------|------|------|------|------|
| <b>Indirect</b>                                     |      |      |      |      |      |
| Chelopech - per tonnes of Cu concentrate equivalent | 2.91 | 2.91 | 2.68 | 2.60 | 3.30 |
| Tsumeb - - per tonne of Cu blister produced         | 12.7 | 14.0 | 11.2 | 12.1 | n/a  |
| <b>Direct</b>                                       |      |      |      |      |      |
| Chelopech - per tonnes of Cu concentrate equivalent | 0.96 | 0.96 | 0.92 | 0.90 | 1.10 |
| Tsumeb - per tonne of Cu blister produced           | 10.5 | 13.2 | 10.1 | 8.0  | n/a  |

# ENVIRONMENTAL

## Emissions

|  | 2017    | 2016   | 2015    | 2014    | 2013    |
|--|---------|--------|---------|---------|---------|
| <b>Direct GHG emissions (tonnes of CO<sub>2</sub>) – Scope 1</b>   |         |        |         |         |         |
| Chelopech  | 9,765   | 9,913  | 10,121  | 10,103  | 10,121  |
| Tsumeb   | 41,878  | 50,577 | 45,641  | 11,885  | 75,172  |
| Krumovgrad   | n/a     | n/a    | n/a     | n/a     | n/a     |
| <b>Indirect GHG emissions (tonnes of CO<sub>2</sub>) – Scope 2</b> |         |        |         |         |         |
| Chelopech  | 54,116  | 55,472 | 54,950  | 56,761  | 66,974  |
| Tsumeb   | 103,982 | 86,388 | 75,677  | 67,252  | 48,681  |
| Krumovgrad   | n/a     | n/a    | n/a     | n/a     | n/a     |
| <b>Scope 3 GHG Emissions (tonnes of CO<sub>2</sub>)</b>            |         |        |         |         |         |
| Chelopech  | 56,218  | 63,199 | 54,528  | 57,075  | 49,427  |
| Krumovgrad   | n/a     | n/a    | n/a     | n/a     | n/a     |
| <b>Sulphur Dioxide emissions (tonnes)</b>                          |         |        |         |         |         |
| Tsumeb   | 15,105  | 27,825 | 133,000 | 141,919 | 104,517 |

## GHG Emissions Intensity

|                                     | 2017  | 2016  | 2015  | 2014  | 2013  |
|-------------------------------------|-------|-------|-------|-------|-------|
| <b>Scope 1 &amp; 2</b>              |       |       |       |       |       |
| Chelopech                           |       |       |       |       |       |
| per tonne Cu concentrate equivalent | 0.475 | 0.481 | 0.447 | 0.495 | 0.623 |
| Tsumeb                              |       |       |       |       |       |
| per tonne of Cu blister produced    | 3.20  | 3.36  | 2.7   | 2.15  | 4.99  |
| <b>Scope 3 (Chelopech only)</b>     |       |       |       |       |       |
| Chelopech                           |       |       |       |       |       |
| per tonne Cu concentrate equivalent | 0.418 | 0.465 | 0.374 | 0.386 | 0.399 |

# ENVIRONMENTAL

## Water Use

|  | 2017      | 2016      | 2015      | 2014      | 2013      |
|--|-----------|-----------|-----------|-----------|-----------|
| <b>Water withdrawn – groundwater (cubic metres)</b>                          |           |           |           |           |           |
| Chelopech  | 188,841   | 320,901   | 396,915   | 401,490.4 | 190,982   |
| Tsumeb   | 1,499,568 | 880,228   | 1,223,586 | 1,160,915 | 1,463,941 |
| Krumovgrad   | n/a       | n/a       | n/a       | n/a       | n/a       |
| <b>Water withdrawn – surface water: rivers, dams (cubic metres)</b>          |           |           |           |           |           |
| Chelopech  | 756,846   | 778,015   | 930,579   | 678,490   | 645,432   |
| Krumovgrad   | n/a       | n/a       | n/a       | n/a       | n/a       |
| <b>Rainwater collected directly and stored (cubic metres)</b>                |           |           |           |           |           |
| Chelopech  | 355,558   | 371,478   | 434,869   | 268,713   | 401,449   |
| Krumovgrad   | n/a       | n/a       | n/a       | n/a       | n/a       |
| <b>Total water withdrawn from municipal water supplies (cubic metres)</b>    |           |           |           |           |           |
| Chelopech  | 5,664     | 1,200     | 1,200     | 1,200     | 1,200     |
| Tsumeb   | 132,887   | 218,873   | 206,160   | 202,638   | 84,658    |
| Krumovgrad   | n/a       | n/a       | n/a       | n/a       | n/a       |
| <b>Total water withdrawn from ANY source</b>                                 |           |           |           |           |           |
| Chelopech  | 951,351   | 1,100,116 | 1,328,694 | 1,081,180 | 837,614   |
| Tsumeb   | 1,632,455 | 1,099,101 | 1,429,746 | 1,363,553 | 1,548,599 |
| Krumovgrad   | n/a       | n/a       | n/a       | n/a       | n/a       |
| <b>Total volume of water recycled and reused (cubic metres)<sup>1</sup></b>  |           |           |           |           |           |
| Chelopech  | 1,701,156 | 1,560,244 | 1,538,268 | 1,765,539 | 1,906,943 |
| Tsumeb   | 651,771   | 579,363   | 368,627   | 383,720   | 597,913   |
| Krumovgrad   | n/a       | n/a       | n/a       | n/a       | n/a       |
| <b>Total volume of water recycled/reused as a % of total water withdrawn</b> |           |           |           |           |           |
| Chelopech  | 179%      | 142%      | 116%      | 163%      | 228%      |
| Tsumeb   | 40%       | 53%       | 26%       | 28%       | 39%       |
| Krumovgrad   | n/a       | n/a       | n/a       | n/a       | n/a       |

<sup>1</sup> Water recycled from tailings management facility.

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## Water Use Intensity

|  | 2017 | 2016 | 2015 | 2014 | 2013 |
|--|------|------|------|------|------|
| Chelopech<br>per tonne of Cu concentrate equivalent  | 7.07 | 8.09 | 9.12 | 7.32 | 6.77 |
| Tsumeb<br>per tonne of Cu blister produced           | 35.9 | 26.9 | 31.8 | 36.9 | 62.4 |
| Krumovgrad<br>per tonne of Cu concentrate equivalent | n/a  | n/a  | n/a  | n/a  | n/a  |

## Water Discharge

|   | 2017    | 2016    | 2015    | 2014    | 2013   |
|---|---------|---------|---------|---------|--------|
| <b>Discharged domestic waste water<br/>(cubic metres)</b>   |         |         |         |         |        |
| Chelopech   | 83,950  | 83,950  | 63,875  | 63,875  | 63,875 |
| Tsumeb  | 73,908  | 67,543  | 55,959  | 110,413 | 59,183 |
| Krumovgrad  | n/a     | n/a     | n/a     | n/a     | n/a    |
| <b>Discharged industrial waste water<br/>(cubic metres)</b> |         |         |         |         |        |
| Chelopech   | 143,733 | 491,559 | 715,264 | 209,769 | 76,650 |
| Krumovgrad  | n/a     | n/a     | n/a     | n/a     | n/a    |



# ENVIRONMENTAL

## Waste Management

|   | 2017                | 2016      | 2015      | 2014      | 2013      |
|---|---------------------|-----------|-----------|-----------|-----------|
| <b>Overburden (tonnes)</b>  |                     |           |           |           |           |
| Krumovgrad  | n/a                 | n/a       | n/a       | n/a       | n/a       |
| <b>Waste rock mined (tonnes)</b>                                    |                     |           |           |           |           |
| Chelopech   | 202,700             | 254,222   | 210,911   | 207,099   | 222,710   |
| Krumovgrad  | n/a                 | n/a       | n/a       | n/a       | n/a       |
| <b>Percentage of waste rock returned underground as backfill</b>    |                     |           |           |           |           |
| Chelopech   | 100%                | 100%      | 100%      | 100%      | 100%      |
| <b>Mill tailings (tonnes)</b>                                       |                     |           |           |           |           |
| Chelopech   | 1,868,913           | 1,890,458 | 1,699,374 | 1,787,126 | 1,890,612 |
| Tsumeb  | 143,353             | 152,247   | 71,302    | 82,703    | 109,105   |
| Krumovgrad  | n/a                 | n/a       | n/a       | n/a       | n/a       |
| <b>Percentage of mill tailings returned underground as backfill</b> |                     |           |           |           |           |
| Chelopech   | 38%                 | 46%       | 38%       | 36%       | 35%       |
| Krumovgrad  | n/a                 | n/a       | n/a       | n/a       | n/a       |
| <b>Mill tailings placed in surface tailings facilities (tonnes)</b> |                     |           |           |           |           |
| Chelopech   | 1,163,277           | 1,023,595 | 1,049,443 | 1,151,580 | 1,216,089 |
| Tsumeb  | 143,353             | 152,247   | 71,302    | 82,703    | 109,105   |
| Krumovgrad  | n/a                 | n/a       | n/a       | n/a       | n/a       |
| <b>Hazardous waste sent off-site but not recycled (tonnes)</b>      |                     |           |           |           |           |
| Chelopech   | 0                   | 10.19     | 6.16      | 4.3       | 6         |
| Tsumeb  | 377                 | 219       | 0         | 9         | 113,550   |
| Krumovgrad  | n/a                 | n/a       | n/a       | n/a       | n/a       |
| <b>Hazardous waste treated and disposed of on-site (tonnes)</b>     |                     |           |           |           |           |
| Tsumeb  | 27,172 <sup>1</sup> | 17,207    | 17,236    | 33,133    | 26,128    |
| <b>Hazardous waste recycled off-site (tonnes)</b>                   |                     |           |           |           |           |
| Chelopech   | 125                 | 90        | 113       | 113.      | 183       |
| Tsumeb  | 25                  | 22        | 30        | 1,903     | 1         |
| Krumovgrad  | n/a                 | n/a       | n/a       | n/a       | n/a       |
| <b>Non-hazardous waste sent off-site but not recycled (tonnes)</b>  |                     |           |           |           |           |
| Chelopech   | 261                 | 257       | 196       | 216       | 297       |
| Krumovgrad  | n/a                 | n/a       | n/a       | n/a       | n/a       |

<sup>1</sup> The Arsenic Plant closure has resulted in more waste reporting to the Hazardous Waste Disposal Facility.

# ENVIRONMENTAL

## Waste Management continued

|   | 2017  | 2016  | 2015  | 2014  | 2013   |
|---|-------|-------|-------|-------|--------|
| <b>Non-hazardous waste treated and disposed of on-site (tonnes)</b> |       |       |       |       |        |
| Chelopech   | 835   | 788   | 1,709 | 2,124 | 16,460 |
| Tsumeb  | 359   | 437   | 286   | 352   | 577    |
| Krumovgrad  | n/a   | n/a   | n/a   | n/a   | n/a    |
| <b>Non-hazardous waste recycled off-site (tonnes)</b>               |       |       |       |       |        |
| Chelopech   | 1,210 | 1,539 | 1,659 | 1,643 | 1,808  |
| Tsumeb  | 1,144 | 0     | 0     | 3,816 | 1,625  |
| Krumovgrad  | n/a   | n/a   | n/a   | n/a   | n/a    |

## Spills

|  | 2017             | 2016 | 2015 | 2014 | 2013 |
|--|------------------|------|------|------|------|
| <b>Total number of spills reportable to regulatory authorities</b> |                  |      |      |      |      |
| Chelopech  | 4                | 0    | 0    | 4    | 3    |
| Tsumeb   | 0                | 0    | 0    | 0    | 0    |
| Krumovgrad   | n/a              | n/a  | n/a  | n/a  | n/a  |
| <b>Volume (cubic metres)</b>                                       |                  |      |      |      |      |
| Chelopech  | n/a <sup>1</sup> | 0    | 0    | 60   | 147  |
| Tsumeb   | 0                | 0    | 0    | 0    | 0    |
| Krumovgrad   | n/a              | n/a  | n/a  | n/a  | n/a  |

## Environmental Fines and Sanctions

|  | 2017     | 2016     | 2015     | 2014     | 2013    |
|--|----------|----------|----------|----------|---------|
| <b>Value of fines for non-compliance with environmental laws and regulations</b> |          |          |          |          |         |
| Chelopech  | \$12,298 | \$14,845 | \$33,996 | \$10,330 | \$8,481 |
| Tsumeb   | 0        | 0        | 0        | 0        | \$0     |

<sup>1</sup> Cannot accurately calculate total volume of spills.

# ENVIRONMENTAL

## Land Use/Biodiversity

(at December 31, 2017)

|   | 2017               | 2016  | 2015  |
|---|--------------------|-------|-------|
| <b>Total land area owned or leased and not yet rehabilitated at the start of the year (hectares)</b>          |                    |       |       |
| Chelopech   | 381                | 366   | 366   |
| Tsumeb  | 3,029 <sup>1</sup> | 3,044 | 3,044 |
| Krumovgrad  | 132                | 0     | 0     |
| <b>Total amount of land newly disturbed by mining within the reporting period (hectares)</b>                  |                    |       |       |
| Chelopech   | 0                  | 0     | 0     |
| Tsumeb  | 0                  | 0     | 0     |
| Krumovgrad  | 48                 | 47    | 0     |
| <b>Total amount of land newly rehabilitated within the reporting period (hectares)</b>                        |                    |       |       |
| Chelopech   | 0                  | 0     | 1     |
| Tsumeb  | 0                  | 0     | 0     |
| Krumovgrad  | 0                  | 0     | 0     |
| <b>Total land owned and leased and not yet rehabilitated at the end of the year (hectares)</b>                |                    |       |       |
| Chelopech   | 381                | 366   | 366   |
| Tsumeb  | 3,029 <sup>1</sup> | 3,044 | 3,044 |
| Krumovgrad  | 132                | 132   | 0.00  |
| <b>Total amount of land in or adjacent to protected areas and areas of high biodiversity value (hectares)</b> |                    |       |       |
| Chelopech   | 0                  | 0     | 0     |
| Tsumeb  | 0                  | 0     | 0     |
| Krumovgrad  | 132                | 132   | 0     |
| <b>Sites requiring biodiversity/biological management plans</b>   |                    |       |       |
| Chelopech   | No                 | No    | No    |
| Tsumeb  | Yes                | Yes   | Yes   |
| Krumovgrad  | Yes                | Yes   | Yes   |

<sup>1</sup> Only land used for operations included in total.

# HEALTH AND SAFETY

## Health & Safety

Total Workforce (full-time employees and direct contractors consolidated)

|   | 2017 |        |       | 2016 | 2015 | 2014 | 2013 |
|---|------|--------|-------|------|------|------|------|
|   | Male | Female | Total |      |      |      |      |
| <b>Number of Lost Time Injuries</b>   |      |        |       |      |      |      |      |
| Chelopech   | 2    | 0      | 2     | 1    | 7    | 5    | 8    |
| Tsumeb  | 3    | 0      | 3     | 15   | 4    | 2    | 11   |
| Krumovgrad  | 0    | 0      | 0     | 0    | n/a  | n/a  | n/a  |
| Exploration   | 0    | 0      | 0     | 0    | 1    | n/a  | n/a  |
| Capital Projects  | 0    | 0      | 0     | n/a  | n/a  | n/a  | n/a  |
| Corporate   | 0    | 0      | 0     | 0    | 0    | 0    | 0    |
| <b>Lost time Injury Frequency Rate (Number of Lost Time Injuries divided by man-hours worked multiplied by 200,000)</b> |      |        |       |      |      |      |      |
| Chelopech   | 0.20 | 0.00   | 0.20  | 0.10 | 0.59 | 0.41 | 0.65 |
| Tsumeb  | 0.19 | 0.00   | 0.19  | 1.02 | 0.27 | 0.34 | 0.36 |
| Krumovgrad  | 0.00 | 0.00   | 0.00  | 0.00 | n/a  | n/a  | n/a  |
| Exploration   | 0.00 | 0.00   | 0.00  | 0.00 | 1.63 | n/a  | n/a  |
| Capital Projects  | 0.00 | 0.00   | 0.00  | n/a  | n/a  | n/a  | n/a  |
| Corporate   | 0.00 | 0.00   | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>Number of Medical Treatment Injuries</b>   |      |        |       |      |      |      |      |
| Chelopech   | 1    | 0      | 1     | 4    | 5    | 9    | 20   |
| Tsumeb  | 1    | 0      | 1     | 2    | 3    | 9    | 23   |
| Krumovgrad  | 0    | 0      | 0     | 0    | n/a  | n/a  | n/a  |
| Exploration   | 1    | 0      | 1     | 1    | 1    | n/a  | n/a  |
| Capital Projects  | 1    | 0      | 1     | n/a  | n/a  | n/a  | n/a  |
| Corporate   | 0    | 0      | 0     | 0    | 0    | 0    | 0    |
| <b>Medical Treatment Injury Frequency Rate</b>  |      |        |       |      |      |      |      |
| Chelopech   | 0.10 | 0.00   | 0.10  | 0.39 | 0.42 | 0.73 | 1.62 |
| Tsumeb  | 0.06 | 0.00   | 0.06  | 0.14 | 0.20 | 1.51 | 1.19 |
| Krumovgrad  | 0.00 | 0.00   | 0.00  | 0.00 | n/a  | n/a  | n/a  |
| Exploration   | 1.00 | 0.00   | 1.00  | 1.19 | 1.63 | n/a  | n/a  |
| Capital Projects  | 0.26 | 0.00   | 0.26  | n/a  | n/a  | n/a  | n/a  |
| Corporate   | 0.00 | 0.00   | 0.00  | 0    | 0.00 | 0    | 0    |

# HEALTH AND SAFETY

## Health & Safety continued

Total Workforce (full-time employees and direct contractors consolidated)

|                             | 2017 |        |       | 2016 | 2015 | 2014 | 2013 |
|-----------------------------|------|--------|-------|------|------|------|------|
|                             | Male | Female | Total |      |      |      |      |
| <b>Number of fatalities</b> |      |        |       |      |      |      |      |
| Chelopech                   | 0    | 0      | 0     | 0    | 0    | 0    | 0    |
| Tsumeb                      | 0    | 0      | 0     | 0    | 0    | 0    | 0    |
| Krumovgrad                  | 0    | 0      | 0     | 0    | n/a  | n/a  | n/a  |
| Exploration                 | 0    | 0      | 0     | 0    | 0    | n/a  | n/a  |
| Capital Projects            | 0    | 0      | 0     | n/a  | n/a  | n/a  | n/a  |
| Corporate                   | 0    | 0      | 0     | 0    | 0    | 0    | 0    |

## Other Safety-related Information

|  | 2017 | 2016 | 2015 | 2014 | 2013 |
|--|------|------|------|------|------|
| <b>Number of trained safety personnel</b>                |      |      |      |      |      |
| Chelopech  | 3    | 3    | 4    | 5    | 5    |
| Tsumeb   | 7    | 7    | 8    | 12   | 16   |
| Krumovgrad   | 1    | n/a  | n/a  | n/a  | n/a  |
| <b>Number of specialized rescue personnel</b>            |      |      |      |      |      |
| Chelopech  | 12   | 12   | 14   | 14   | 14   |
| Tsumeb   | 2    | 2    | 3    | 4    | 3    |
| Krumovgrad   | 0    | n/a  | n/a  | n/a  | n/a  |
| <b>Number of on-site nurses</b>                          |      |      |      |      |      |
| Chelopech  | 0    | 0    | 0    | 0    | 0    |
| Tsumeb   | 2    | 3    | 3    | 3    | 3    |
| Krumovgrad   | 0    | n/a  | n/a  | n/a  | n/a  |
| <b>Number of on-site doctors</b>                         |      |      |      |      |      |
| Chelopech  | 1    | 1    | 1    | 1    | 1    |
| Tsumeb   | 0    | 0    | 0    | 0    | 0    |
| Krumovgrad   | 0    | n/a  | n/a  | n/a  | n/a  |
| <b>Number of trained voluntary mine rescue personnel</b> |      |      |      |      |      |
| Chelopech  | 12   | 11   | 12   | 16   | 14   |
| Tsumeb   | 5    | 8    | 12   | 12   | 24   |
| Krumovgrad   | 0    | n/a  | n/a  | n/a  | n/a  |

# OUR PEOPLE

## Full-time Employees Only

|   | 2017  |        |       |
|---|-------|--------|-------|
|   | Male  | Female | Total |
| <b>Number full-time employees (excluding expatriates)</b>                     |       |        |       |
| Chelopech   | 727   | 175    | 902   |
| Tsumeb  | 614   | 92     | 706   |
| Krumovgrad  | 21    | 7      | 28    |
| Exploration   | 32    | 23     | 55    |
| Corporate Other   | 8     | 4      | 12    |
| Corporate   | 23    | 17     | 40    |
| <b>Number of full-time employees that left the organization voluntarily</b>   |       |        |       |
| Chelopech   | 9     | 3      | 12    |
| Tsumeb  | 5     | 4      | 9     |
| Krumovgrad  | 0     | 0      | 0     |
| Exploration   | 3     | 0      | 3     |
| Corporate Other   | 0     | 0      | 0     |
| Corporate   | 5     | 1      | 6     |
| <b>Number of full-time employees that left the organization involuntarily</b> |       |        |       |
| Chelopech   | 22    | 3      | 25    |
| Tsumeb  | 24    | 0      | 24    |
| Krumovgrad  | 2     | 0      | 2     |
| Exploration   | 1     | 2      | 3     |
| Corporate Other   | 0     | 2      | 2     |
| Corporate   | 2     | 1      | 3     |
| <b>Percentage of employees that are part-time</b>                             |       |        |       |
| Chelopech   | 0.10% | 2.90%  | 0.70% |
| Tsumeb  | 0.00% | 0.00%  | 0.00% |
| Krumovgrad  | 0.00% | 28.60% | 7.10% |
| Exploration   | n/a   | n/a    | n/a   |
| Corporate Other   | 0.00% | 0.00%  | 0.00% |
| Corporate   | 0.00% | 0.00%  | 0.00% |

# OUR PEOPLE

## Contract Employees Only

|   | 2017 |        |       |
|---|------|--------|-------|
|   | Male | Female | Total |
| <b>Number direct contract employees (excluding expatriates)</b>                             |      |        |       |
| Chelopech   | 25   | 6      | 31    |
| Tsumeb  | 77   | 15     | 92    |
| Krumovgrad  | 54   | 12     | 66    |
| Exploration   | 21   | 11     | 32    |
| Corporate Other   | 0    | 0      | 0     |
| Corporate   | 0    | 2      | 2     |
| <b>Percentage of direct contract employees that have a fixed term or temporary contract</b> |      |        |       |
| Chelopech   | 100% | 100%   | 100%  |
| Tsumeb  | 100% | 100%   | 100%  |
| Krumovgrad  | 100% | 100%   | 100%  |
| Exploration   | n/a  | n/a    | n/a   |
| Corporate Other   | 0%   | 100%   | 0%    |
| Corporate   | 0%   | 100%   | 100%  |
| <b>Number of direct contract employees that left the organization voluntarily</b>           |      |        |       |
| Chelopech   | 13   | 15     | 28    |
| Tsumeb  | 1    | 1      | 2     |
| Krumovgrad  | 7    | 4      | 11    |
| Exploration   | 13   | 0      | 13    |
| Corporate Other   | 0    | 0      | 0     |
| Corporate   | 0    | 1      | 1     |
| <b>Number of direct contract employees that left the organization involuntarily</b>         |      |        |       |
| Chelopech   | 1    | 0      | 1     |
| Tsumeb  | 36   | 18     | 54    |
| Krumovgrad  | 7    | 0      | 7     |
| Exploration   | 1    | 0      | 1     |
| Corporate Other   | 0    | 0      | 0     |
| Corporate   | 0    | 0      | 0     |
| <b>Number of independent contractors at year end</b>  |      |        |       |
| Chelopech   | 420  | 67     | 487   |
| Tsumeb  | 736  | 42     | 778   |
| Krumovgrad  | 818  | 28     | 846   |
| Exploration   | 25   | 0      | 25    |
| Corporate Other   | 0    | 0      | 0     |
| Corporate   | 0    | 0      | 0     |

# OUR PEOPLE

## Contract Employees Only *continued*

|  | 2017 |        |       |
|--|------|--------|-------|
|  | Male | Female | Total |
| <b>Percentage of contract employees that are part-time</b> |      |        |       |
| Chelopech  | 0%   | 33%    | 6%    |
| Tsumeb   | 0%   | 0%     | 0%    |
| Krumovgrad   | 0%   | 0%     | 0%    |
| Exploration  | 0%   | 0%     | 0%    |
| Corporate Other  | 0%   | 0%     | 0%    |
| Corporate  | 0%   | 0%     | 0%    |
| <b>Number of expatriate employees</b>                      |      |        |       |
| Chelopech  | 4    | 0      | 4     |
| Tsumeb   | 2    | 0      | 2     |
| Krumovgrad   | 10   | 1      | 11    |
| Exploration  | 1    | 1      | 2     |
| Corporate Other  | 0    | 0      | 0     |
| Corporate  | 2    | 0      | 2     |



# OUR PEOPLE

## Full-Time & Contract Employees Consolidated

|   | 2017  |        |       |
|---|-------|--------|-------|
|   | Male  | Female | Total |
| <b>Percentage of employees (full-time &amp; contract) that are local nationals</b>                                    |       |        |       |
| Chelopech   | 100%  | 100%   | 100%  |
| Tsumeb  | 98%   | 99%    | 98%   |
| Krumovgrad  | 100%  | 100%   | 100%  |
| Exploration   | 100%  | 100%   | 100%  |
| Corporate Other   | 100%  | 100%   | 100%  |
| Corporate   | 100%  | 100%   | 100%  |
| <b>Percentage of employees (full-time &amp; contract) that are managers and above levels (excluding expatriates)*</b> |       |        |       |
| Chelopech   | 1.20% | 4.97%  | 2%    |
| Tsumeb  | 7.1%  | 10.3%  | 8%    |
| Krumovgrad  | 6.67% | 15.79% | 9%    |
| Exploration   | 6%    | 15%    | 9%    |
| Corporate Other   | 12.5% | 50%    | 25%   |
| Corporate   | 83%   | 53%    | 69%   |
| <b>Percentage of managers and above levels (full-time &amp; contract) that are local nationals</b>                    |       |        |       |
| Chelopech   | 100%  | 100%   | 100%  |
| Tsumeb  | 86%   | 91%    | 87%   |
| Krumovgrad  | 100%  | 100%   | 100%  |
| Exploration   | 100%  | 100%   | 100%  |
| Corporate Other   | 100%  | 100%   | 100%  |
| Corporate   | 100%  | 100%   | 100%  |

# OUR PEOPLE

## Employee Analysis by Age

|  | 2017 |        |       |
|--|------|--------|-------|
|  | Male | Female | Total |
| <b>Percentage of employees (full-time &amp; contract) under 30 years old</b>   |      |        |       |
| Chelopech  | 20%  | 4%     | 17%   |
| Tsumeb   | 29%  | 35%    | 30%   |
| Krumovgrad   | 25%  | 26%    | 26%   |
| Exploration  | n/a  | n/a    | n/a   |
| Corporate Other  | 25%  | 25%    | 25%   |
| Corporate  | 12%  | 5%     | 9%    |
| <b>Total number of new employees (full-time and contract with less than one year of service) under 30 years old</b>          |      |        |       |
| Chelopech  | 18   | 5      | 23    |
| Tsumeb   | 48   | 12     | 60    |
| Krumovgrad   | 18   | 1      | 19    |
| Exploration  | 8    | 2      | 10    |
| Corporate Other  | 1    | 0      | 1     |
| Corporate  | 2    | 0      | 2     |
| <b>Rate of employee turnover for employees (full-time and contract) under 30 years old</b>                                   |      |        |       |
| Chelopech  | 2%   | 8%     | 3%    |
| Tsumeb   | 3%   | 15%    | 5%    |
| Krumovgrad   | 8%   | 21%    | 11%   |
| Exploration  | n/a  | n/a    | n/a   |
| Corporate Other  | 0%   | 0%     | 0%    |
| Corporate  | 8%   | 5%     | 7%    |
| <b>Percentage of employees (full-time &amp; contract) between 30 and 50 years old</b>  |      |        |       |
| Chelopech  | 71%  | 57%    | 68%   |
| Tsumeb   | 42%  | 56%    | 44%   |
| Krumovgrad   | 55%  | 53%    | 54%   |
| Exploration  | n/a  | n/a    | n/a   |
| Corporate Other  | 75%  | 75%    | 75%   |
| Corporate  | 40%  | 47%    | 43%   |
| <b>Total number of new employees (full-time and contract with less than one year of service) between 30 and 50 years old</b> |      |        |       |
| Chelopech  | 19   | 4      | 23    |
| Tsumeb   | 36   | 17     | 53    |
| Krumovgrad   | 24   | 3      | 27    |
| Exploration  | 3    | 1      | 4     |
| Corporate Other  | 0    | 0      | 0     |
| Corporate  | 1    | 1      | 2     |

# OUR PEOPLE

## Employee Analysis by Age continued

|  | 2017 |        |       |
|--|------|--------|-------|
|  | Male | Female | Total |
| <b>Rate of employee turnover for employees (full-time &amp; contract) between 30 and 50 years old</b>                |      |        |       |
| Chelopech  | 3%   | 3%     | 3%    |
| Tsumeb   | 4%   | 4%     | 4%    |
| Krumovgrad   | 12%  | 0%     | 10%   |
| Exploration  | n/a  | n/a    | n/a   |
| Corporate Other  | 0%   | 50%    | 17%   |
| Corporate  | 12%  | 5%     | 9%    |
| <b>Percentage of employees (full-time &amp; contract) over 50 years old</b>  |      |        |       |
| Chelopech  | 10%  | 39%    | 15%   |
| Tsumeb   | 28%  | 9%     | 26%   |
| Krumovgrad   | 20%  | 21%    | 20%   |
| Exploration  | n/a  | n/a    | n/a   |
| Corporate Other  | 0%   | 0%     | 0%    |
| Corporate  | 48%  | 47%    | 48%   |
| <b>Total number of new employees (full-time &amp; contract with less than one year of service) over 50 years old</b> |      |        |       |
| Chelopech  | 3    | 2      | 5     |
| Tsumeb   | 5    | 1      | 6     |
| Krumovgrad   | 7    | 1      | 8     |
| Exploration  | 0    | 0      | 0     |
| Corporate Other  | 0    | 0      | 0     |
| Corporate  | 1    | 2      | 3     |
| <b>Rate of employee turnover for employees (full-time &amp; contract) over 50 years old</b>                          |      |        |       |
| Chelopech  | 0%   | 1%     | 0%    |
| Tsumeb   | 3%   | 4%     | 3%    |
| Krumovgrad   | 1%   | 0%     | 0%    |
| Exploration  | n/a  | n/a    | n/a   |
| Corporate Other  | 0%   | 0%     | 0%    |
| Corporate  | 8%   | 5%     | 7%    |

# OUR PEOPLE

## Other Employee Information

|   | 2017 |        |       |
|---|------|--------|-------|
|   | Male | Female | Total |
| <b>Percentage of employees who are members of a trade union</b>   |      |        |       |
| Chelopech   | 61%  | 39%    | 57%   |
| Tsumeb  | 66%  | 36%    | 62%   |
| Krumovgrad  | 1%   | 0%     | 1%    |
| Exploration   | 22%  | 26%    | 23%   |
| Corporate Other   | 0%   | 0%     | 0%    |
| Corporate   | n/a  | n/a    | n/a   |
| <b>Percentage of full-time employees covered by collective bargaining agreements</b>                        |      |        |       |
| Chelopech   | 100% | 100%   | 100%  |
| Tsumeb  | 81%  | 61%    | 78%   |
| Krumovgrad  | 100% | 100%   | 100%  |
| Exploration   | 45%  | 21%    | 38%   |
| Corporate Other   | 100% | 100%   | 100%  |
| Corporate   | n/a  | n/a    | n/a   |
| <b>Average hours of mandatory training per full-time employee per year (includes safety training)</b>       |      |        |       |
| Chelopech   | 30   | 30     | 30    |
| Tsumeb  | 6.5  | 16.34  | 22.84 |
| Krumovgrad  | 6.5  | 6.5    | 6.5   |
| Exploration   | 8    | 8      | 8     |
| Corporate Other   | 1    | 1      | 1     |
| Corporate   | 4    | 4      | 4     |
| <b>Average hours of mandatory training per direct contract employee per year (includes safety training)</b> |      |        |       |
| Chelopech   | n/a  | n/a    | n/a   |
| Tsumeb  | 6.67 | 3.26   | 9.93  |
| Krumovgrad  | n/a  | n/a    | n/a   |
| Exploration   | n/a  | n/a    | n/a   |
| Corporate Other   | 0    | 0      | 0     |
| Corporate   | 4    | 4      | 4     |

# OUR PEOPLE

## Other Employee Information *continued*

|  | 2017                 |                     |                      |
|--|----------------------|---------------------|----------------------|
|  | Male                 | Female              | Total                |
| <b>Mean annual wage in the country</b>   |                      |                     |                      |
| Bulgaria (BGN)   | 12,468               | 12,468              | 12,468               |
| Namibia (NAD)  | n/a                  | n/a                 | n/a                  |
| Corporate  | n/a                  | n/a                 | n/a                  |
| <b>Minimum wage in country</b>   |                      |                     |                      |
| Bulgaria (BGN)   | 5,520                | 5,520               | 5,520                |
| Namibia (NAD)  | n/a                  | n/a                 | n/a                  |
| Corporate  | n/a                  | n/a                 | n/a                  |
| <b>Mean annual wage of company employee (exclude managers and above, direct contract and expatriate employees) in local currency</b> |                      |                     |                      |
| Bulgaria (BGN)   | Chelopech<br>28,788  | Chelopech<br>24,612 | Chelopech<br>27,996  |
|  | Krumovgrad<br>17,436 | Krumovgrad<br>9,072 | Krumovgrad<br>15,540 |
| Namibia (NAD)  | Namibia<br>344,096   | Namibia<br>391,297  | Namibia<br>349,707   |
| Exploration  | 22,644               | 38,976              | 27,801               |
| Corporate Other BGN  | 43,704               | 39,720              | 42,818               |
| Corporate  | n/a                  | n/a                 | n/a                  |
| <b>Number of strikes and lock-outs during year exceeding one week's duration</b>   |                      |                     |                      |
| Chelopech  | 0                    | 0                   | 0                    |
| Tsumeb   | 0                    | 0                   | 0                    |
| Krumovgrad   | 0                    | 0                   | 0                    |
| Exploration  | 0                    | 0                   | 0                    |
| Corporate Other  | 0                    | 0                   | 0                    |
| Corporate  | 0                    | 0                   | 0                    |
| <b>Total number of incidents of discrimination</b>   |                      |                     |                      |
| Chelopech  | 0                    | 0                   | 0                    |
| Tsumeb   | 0                    | 0                   | 0                    |
| Krumovgrad   | 0                    | 0                   | 0                    |
| Exploration  | 0                    | 0                   | 0                    |
| Corporate Other  | 0                    | 0                   | 0                    |
| Corporate  | 0                    | 0                   | 0                    |

## To: The Stakeholders of Dundee Precious Metals Inc.

### Introduction and objectives of work

Bureau Veritas UK Ltd (Bureau Veritas) has been engaged by Dundee Precious Metals Inc. (DPM) to provide independent limited assurance of the reliability and accuracy of its health, safety and environment (HSE) data, as reported in the Data Supplement – 2017 Sustainability Performance (the 'Data Supplement') published on DPM's website. This Assurance Statement applies to the related information included within the scope of work described below.

### Scope of work

The scope of our work was limited to assurance over the following information included within the Data Supplement for the period January 1, 2017– December 31, 2017 (the 'Selected Information'):

- Data reported in Environment section of the Data Supplement. The sites included in these data sets are Chelopech, Bulgaria (Chelopech), and Tsumeb, Namibia (Tsumeb); and
- Data reported in Health and safety section of the data supplement. The sites included in these data sets are Chelopech and Tsumeb; Gold project at Krumovgrad, Bulgaria; and Exploration business and Capital Projects of DPM.

### Limitations and Exclusions

Excluded from the scope of our work is any verification of information relating to:

- any other information included in the Data Supplement, including but not limited to People section;
- activities outside the defined verification period;
- positional statements (expressions of opinion, belief, aim or future intention by DPM and statements of future commitment); and
- financial data taken from DPM's annual report and accounts which is audited by an external financial auditor, including but not limited to any statements relating to production, tax, sales, and financial investments.

This limited assurance engagement relies on a risk based selected sample of the Selected Information and the associated limitations that this entails. The reliability of the reported data is dependent on the accuracy of metering and other measurement arrangements employed at site level, not addressed as part of this assurance. This independent statement should not be relied upon to detect all errors, omissions or misstatements that may exist.

### Responsibilities

The preparation and presentation of the Selected Information in the Data Supplement are the sole responsibility of the management of DPM.

Bureau Veritas was not involved in the compilation of the Data Supplement. Our responsibilities were to:

- obtain limited assurance about whether the Selected Information has been prepared in accordance with internationally acceptable definitions of the relevant indicators;
- form an independent conclusion based on the assurance procedures performed and evidence obtained; and
- reporting our conclusions and observations to the management of DPM.

### Assessment Standard

We performed our work in accordance with International Standard on Assurance Engagements (ISAE) 3000 Revised, Assurance Engagements Other than Audits or Reviews of Historical Financial Information (effective for assurance reports dated on or after December 15, 2015), issued by the International Auditing and Assurance Standards Board. Our conclusions are for 'limited' assurance as set out in ISAE 3000.

### Reporting Criteria

The Selected Information has been prepared in accordance with internal definitions established by DPM. These are aligned with internationally acceptable definitions of the relevant indicators.

Summary of work performed

As part of our independent verification, our work included:

1. Conducting interviews with relevant personnel of DPM working in HSE at site and corporate level;
2. Conducting a site visit to Tsumeb for verification of site data reported on a sample basis;
3. Conducting a remote review of the Selected Information against the corresponding source documentation on a sample basis from rest of the sites and projects;
4. Reviewing the data collection and consolidation processes used to compile Selected Information, including assessing assumptions made, and the data scope and reporting boundaries; and
5. Re-performed a selection of aggregation calculations of the Selected Information.

### Conclusion

On the basis of our methodology and activities described above, nothing has

come to our attention to indicate that the Selected Information is not fairly stated in all material respects.

Further detailed recommendations are provided to DPM in the form of an internal Management Report.

### Observations and Recommendations

Based on the work conducted, Bureau Veritas recommends that DPM consider the following:

- Establish an internal review process that includes sample checks against source evidence in order to confirm the accuracy and robustness of reported data and the maintenance of an audit trail;
- Use consistent and reliable data sources for reporting on Selected Information throughout the reporting period;
- Whilst we note that that the tracking of man-hours at Tsumeb has improved compared to last year, the site should look to put tighter controls in place to monitor overtime hours.

### Statement of Independence, Integrity and Competence

Bureau Veritas is an independent professional services company that specialises in quality, environmental, health, safety and social accountability with over 185 years of history. Its assurance team has extensive experience in conducting verification over environmental, social, ethical and health and safety information, systems and processes.

Bureau Veritas operates a certified 1 Quality Management System which complies with the requirements of ISO 9001:2008, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Bureau Veritas has implemented and applies a Code of Ethics, which meets the requirements of the International Federation of Inspections Agencies (IFIA)<sup>2</sup>, across the business to ensure that its employees maintain integrity, objectivity, professional competence and due care, confidentiality, professional behaviour and high ethical standards in their day-to-day business activities.

The assurance team for this work conducted the verification independently and to our knowledge does not have any conflict of interest due to any other Bureau Veritas projects with DPM.

