

Annual Reclamation Report – Spatial Data Submission Standards

Every year, MEMPR asks proponents from every major mine to submit digital spatial files along with the Annual Reclamation Report to help track any changes in mine permit boundaries, mine disturbances and any reclamation efforts conducted throughout the year. This schematic is intended to be used along with the *Mines Act Permit Annual Reclamation Report Format Requirements Addendum Shapefile Submission Data Standards*, as well as the template shapefile package provided. Shapefiles must be in the BC Albers Projections and follow the naming conventions and attribute standards outlined below.

Disturbance and Reclamation Areas - MinePermitNumber_YearARR_MineName [.shp/.shx/.dbf]

Disturbance and Reclamation shapefile should correspond to areas reported in tables and maps provided in the Annual Reclamation Report. To simplify reporting, EMPR asks that you indicate the status of reclamation activities by using “none”, “ongoing” “re-vegetated” or “exempt”. In order for an area to be recorded as “re-vegetated”, it must have supported vegetation that will lead to the designated land use objective for at least one year. Note that the “re-vegetated” classification does not mean that EMPR has accepted or signed off on the reclamation.

The reclaimed areas should correspond to the total reported in Table 1 of the Annual Reclamation Report (Summary of Areas Disturbed and Reclaimed to December 31, of the reporting year). The “exempt” status should be used to identify areas exempt from reclamation. If you enter “ongoing”, please include the date that reclamation activities began in the “Reclamation Date” field. If you enter “re-vegetated”, please include the date that reclamation activities were last completed in the “Reclamation Date” field. The date field may be a null value for polygons with the “exempt” or “none” status. If you wish to include additional details, please do so in the comments field.

Disturbances to be included are described as areas of disturbance in the past or present due to any mining activities covered by the *Mines Act* permit. This includes areas cleared of vegetation and any roads that are currently active or have not yet been deactivated and reclaimed. For this exercise, EMPR requests that the secondary classifier is classified by “Disturbance Type”, where the type should match the categories tabulated in Table 1 of the Annual Reclamation Report (Summary of Areas Disturbed and Reclaimed to December 31 of the reporting year). Please **DO NOT** include reclamation or disturbance information that is not associated with your Mines Act Permit.

Overlapping polygons must be avoided. This means that every area on the mine site is represented by only one disturbance type and one reclamation status (see coding below)

Shapefile Field Description	Shapefile Field Name	Data Type	Example	Example Explanation	Domain
Mine Number	MINE_NO	Text – 10	000001		
Mine Permit	PERMIT_NO	Text – 10	M-999		
Mine Name	MINE_NM	Text – 50	Gold Creek		
Mine Type	MINE_TYP	Text – 6	M	Mineral	dmnMINE_TYPE
Annual Reclamation Report Year	YEAR_	Short Integer	2016	Annual Reclamation Report Submission year	
Disturbance Identifier	DSTB_ID	Text – 6	1	Related numerical ID within the mine permit	
Reclamation Area Identifier	RECL_ID	Text – 6	1	Unique numerical ID within a disturbance ID	
Disturbance Type	DSTB_TYPE	Text – 6	RD	Road cover disturbance	dmnDSTB_TYPE
Disturbance Year	DSTB_YEAR	Short Integer	2016	2016	
Reclamation Activity Status	RECL_ACT	Text – 6	O	Reclamation activities are ongoing	dmnRECL_ACT
Reclamation Year	RECL_YEAR	Short Integer	2016	Most recent reclamation activity conducted in 2016	
Comments	COMMENTS	Text – 255		General comments for EMPR	

Domain Codes and Descriptions

The shapefile attribute table for the mining annual summary activities must use these codes.

Domain	Description	Code	Description
dmnMINE_TYPE	Mine Type	C	Coal
		M	Mineral
		P	Placer
		Q	Quarry
		SG	Sand and Gravel

Domain	Description	Code	Description
dmnRECL_ACT	Status of Reclamation	C	Re-vegetated
		E	Exempt
		N	None
		O	Ongoing

Domain	Description	Code	Description
dmnDSTB_TYPE	Disturbance Type	ADMIN	Administrative area/building
		CCR	Coarse Coal Rejects
		LI	Linear
		NONE	None
		O	Other (enter comments)
		PIT	Pit
		POND	Seepage / Sediment Pond
		PS	Plant Site
		RD	Road
		SP	Stockpile
		TSF	Tailings Storage Facility General Footprint
		WD	Waste Dump
		WTP	Water Treatment Plant and/or Pond