

Amendment to OPSS 313, April 2021 - Additional Hot Mix Asphalt Sampling and Testing Requirements for Acceptance of Recovered Asphalt Cement (RAC)

Special Provision No. [BITU0028103S58](#)

DRAFT August 2026

313.01 SCOPE

Section 313.01 of OPSS 313 is amended by deleting the first paragraph in its entirety and replacing it with the following:

This specification covers the requirements for the placement, compaction, and acceptance of hot mix asphalt (HMA), for projects where, as an additional requirement, recovered asphalt cement (RAC) is specified to be tested for acceptance.

313.02 REFERENCES

Section 313.02 of OPSS 313 is amended by the addition of the following:

Ontario Ministry of Transportation Publications:

MTO Laboratory Testing Manual:
LS-284 Recovery of Asphalt from Solution by Rotary Evaporator

313.07 CONSTRUCTION

313.07.09 Sampling

Subsection 313.07.09 of OPSS 313 is amended by the addition of the following clause:

313.07.09.08 Hot Mix Asphalt for Recovered Asphalt Cement Testing

Samples of HMA shall be obtained at the paver for RAC testing. Samples shall be appropriately labelled with the Contract number, highway number, region, HMA lot number, HMA subplot number, corresponding performance graded asphalt cement (PGAC) lot number, mix type, lift number, station, date and time of sampling.

[It is recommended to sample the RAC from the lot that corresponds to the lot of PGAC for the HMA production to ensure sampling consistency.](#)

The Contract Administrator shall advise the Contractor of each random sample location. A set of two samples shall be taken as per Table 2B. One of these samples shall be for Quality Assurance (QA) testing and the other shall be for referee testing. Samples for QA and referee testing shall be obtained concurrently. When the mass of the sample does not meet the requirements of Table 2B, the sample shall be discarded and a new one taken immediately.

[The asphalt cement for RAC is extracted from asphalt mix and recovered as per Table 4B.](#)

313.08 QUALITY ASSURANCE

313.08.01 Acceptance Criteria

Subsection 313.08.01 of OPSS 313 is amended by the addition of the following:

- i) Recovered Asphalt Cement Physical Requirements

Subsection 313.08.01 of OPSS 313 is amended by the addition of the following clause:

313.08.01.09 Recovered Asphalt Cement Physical Requirements

The Contract Administrator shall determine the acceptability of the RAC according to requirements specified in the Contract Documents.

The Contract Administrator shall determine the size and location of the lots, after discussion with the Contractor and before HMA production for the tender item starts. ~~Generally, the~~ The lots for RAC shall be the same as those for PGAC ~~testing~~lots.

TABLES:

OPSS 313 is amended by the addition of the following ~~tables~~Tables:

**TABLE 2B
RAC Sample Size and Frequency**

Material	Sample Size	Frequency of Sampling
SMA mixes, Superpave 9.5, 12.5, 12.5FC 1, 12.5FC 2, and 19.0, 25.0 and 37.5 for RAC Testing	20 kg	Every RAC lot

**TABLE 4B
RAC Testing Requirements**

Properties and Attributes	Testing Method	Calculations, Values, and Results Required
Extraction and Recovery of Asphalt Cement		
Extraction and Recovery of Asphalt Cement from Loose Asphalt Mix	LS-284	RAC shall be tested for acceptance as specified in the Contract Documents

WARRANT: Always with SSP 111S15, Additional Testing and Acceptance Requirements for Performance Graded Asphalt Cement and Recovered Asphalt Cement-BITU0027 for projects where RAC will be tested for acceptance in addition to PGAC, in consultation with the Regional Geotechnical section and EMO, Bituminous Section.

CUSTODIAN: Engineering Materials Office (EMO), Bituminous Section.