

## **AMENDMENT TO OPSS 313, APRIL 2021**

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Special Provision No. BITU0028

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### **Additional Requirements for Acceptance of Recovered Asphalt Cement (RAC)**

#### **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.

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.

#### **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 lots for RAC shall be the same as those for PGAC testing.

**TABLES:**

OPSS 313 is amended by the addition of the following 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 for RAC Testing	20 kg	Every RAC lot

**TABLE 4B  
RAC Testing Requirements**

Properties and Attributes	Testing Method	Calculations, Values, and Results Required
<b>Extraction and Recovery of Asphalt Cement</b>		
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 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:** EMO - Bituminous.